Merchant Solution Release Portal

Reference Guide

Document Version: 5.0

verifone

www.verifone.com

IMPORTANT NOTICE

Verifone, the Verifone logo, MX Solutions, VX Evolution, and Engage are Trademarks and/or Registered Trademarks of Verifone, Inc., its subsidiaries or affiliates in the U.S. or in other countries.
All other **brand** names and trademarks appearing in this publication are the property of their respective owners.

NO WARRANTY

The information contained in this publication is subject to change without notice. Although Verifone has attempted to ensure the accuracy of the contents of this publication, this publication may contain errors or omissions. The examples and samples are for illustration only. You should verify the applicability of any example or sample program before placing the software into productive use. This publication is supplied “as-is”.

LIMITED LIABILITY

In no event shall Verifone be liable for any indirect, special, incidental, or consequential damages including damages for loss of business, profits, or the like, even if Verifone or its representatives have been advised of the possibility of such damages.

CONTACT INFORMATION

Verifone, Inc.
North America Development
The Royal Center Four
11700 Great Oaks Way, Suite 210
Alpharetta, GA 30022

www.verifone.com

Printed in the United States of America

Copyright © 2026 Verifone, Inc. All rights reserved

No part of this publication may be copied, distributed, stored in a retrieval system, translated into any human or computer language, transmitted in any form or by any means without prior written permission of Verifone, Inc.
Comments? Please e-mail all comments on this document to your local Verifone Support Team.

© Verifone Inc. All rights reserved.

REVISION HISTORY

Revision	Date	Author	Highlights
5.0	05-01-2026	ShatarupaR2	▪ Added configuration questions on encryption and wallet services in the following sections: XPI Application > Communication Settings > Network Setup. XPI Application > Solution Features > Wallet/Mifare Services XPI Application > Solution Features > Encryption Configuration ▪ Added definition of 802.1x Authentication in Definition of Terms.
4.0	20-11-2025	ShatarupaR2	▪ Added questions on customization of IDS reference set configuration for newly added Workflows in SCA Application > Workflow Customization and XPI Application > Workflow Customization.
3.0	08-10-2025	ShatarupaR2	▪ Added questions on Custom Parameters for Prod Config and Remove Parameters for Prod Configs in XPI Application > Solution Features > General.
2.0	31-07-2025	ShatarupaR2	▪ Added questions on uploading password certificate file (Prod & DEV) for SCA & XPI in Deployment> Password section of Custom Configuration Questionnaire. ▪ Update Introduction section with Document Organization subset. ▪ Added brief description to Custom Configuration Questionnaire and Getting Help.
1.0	25-06-2025	ShatarupaR2	▪ Initial Version of Document created.

© Verifone Inc. All rights reserved.

Content

Introduction 7

- Operational Background 7
- Purpose 7
- Intended Audience 8
- Using this Manual 8
- Definition of Terms 9
- Document Organization 11
- Related Documents 12

Overview 13

- Prerequisites 14
- User Roles Defined 15
- Supported Applications 16
- Supported Devices 16

Getting Started 17

- Portal Login 17
- New Merchant 19
  - Add Merchant 19
  - Create Profile 20
- Existing Merchant 33
  - Upgrading Solution Setup 33
  - Updating Configuration 36
  - Cloning Merchant Profile 38

MSR Portal Components 40

  - SCA - Profile Configurations Tabs 40
  - XPI - Profile Configurations Tabs 40
- Profile Details 41
- Configurations 45
  - SCA 46

© Verifone Inc. All rights reserved.

XPI 66
BIN Data 82
Edit Card Type 82
Add New Card Range 84
Delete Card Range 85
Media 86
Build and Test Results 90
Build 92
Test 94
IDS Reference Set (DEV) 94
Deploy to VHQ (DEV) 94
Production Signing 95
Build Promotion 95
Deploy to CMC (DEV) 96
IDS Reference Set (PROD) 96
Deploy to CMC (PROD) 97
Jenkins Job Link 97
Status Message for Action Icons 98

Custom Configuration Questionnaire 100

SCA Application 100
Application Setup 100
Payment Flow 101
Card Configuration 104
Solution Features 106
Device Setup 116
Network Setup 118
Deployment Setup 122
Workflow Customization 132
XPI Application 138
Communication Settings 138
Card Configuration 146
Solution Features 149
Device Setup 155
Deployment Setup 157
Workflow Customization 160

© Verifone Inc. All rights reserved.

Getting Help 164

Know Before You Ask 164
Who's Here to Help 167

© Verifone Inc. All rights reserved.

Introduction

This document serves as an authoritative reference guide for the Merchant Solution Release (MSR) portal. It is specifically designed to support Verifone Implementation Specialists, the Verifone Merchant Solution Integration Team, and accredited Verifone customers.

The guide provides details for the configuration and deployment of the North American payment application stack. It covers all essential components, including both Secure Commerce Architecture (SCA) and eXternal Payment Interface (XPI) applications, ensuring a streamlined and standardized integration process across Verifone's ecosystem.

Operational Background

The merchant payment application is designed to support a wide range of business use cases, which requires an extensive and highly flexible configuration process. To accommodate varying operational requirements, the application allows for customization through over 700 configurable parameters. These parameters span multiple domains including user interface behaviour, transaction processing rules, device workflows, tender types, security settings, and integration points with third-party processors.

As businesses scale and onboard a variety of merchant profiles, the demand for tailored configurations continues to grow. However, the complexity of managing such a vast set of configurations significantly increases the workload for implementation teams and introduces a higher risk of configuration errors.

Moreover, the large number of parameters require comprehensive testing to ensure that all features function as intended across different combinations of settings. Manual testing processes are time-consuming and prone to oversight, especially when configurations must be updated frequently or cloned across multiple profiles. These challenges delay deployment efficiency and delay time-to-market for merchant solutions.

MSR Portal is the solution, which is needed to streamline the configuration workflow, introduce automated validation, and integrate targeted testing strategies to support accurate and timely application delivery to the end merchants.

Purpose

This document is intended to guide authorized users through the end-to-end process of customizing, building, and deploying the payment application for both Customer Lab and Production environments. It outlines the supported functionalities of the MSR Portal, configuring the application and executing the automated build and deployment workflows.

Specifically, this document aims to:

- Describe the key functionalities supported by the Portal.
- Explain how to configure the payment application based on merchant-specific requirements.
- Detail the automated processes for building and deploying the configured application.

© Verifone Inc. All rights reserved.

Intended Audience

MSR portal is a comprehensive platform designed to assist various stakeholders in configuring and deploying Verifone's payment solutions and this reference guide is intended for the following key stakeholders for implementing and managing Verifone's applications.

- **Implementation Specialists:** Professionals responsible for deploying Verifone's solutions at merchant locations. They utilize the MSR portal to configure applications, integrate hardware, and ensure seamless deployment.
- **Merchant Solution Integration Team:** A team dedicated to integrating Verifone's payment solutions with merchants' existing systems.
- **Accredited Verifone Customers:** Merchants and partners authorized to use Verifone's solutions. They access the MSR portal to manage their accounts, configure applications, and obtain support.

Using this Manual

As you use this manual, you may encounter the following text boxes. These are meant to draw your attention to certain concepts and are easily identifiable by their icons.

NOTE	A note is important information that either helps to explain a concept or draws attention to ideas that should be kept in mind. We recommend that you carefully review the notes you encounter.
WARNING	We **HIGHLY** recommend that you read ALL warnings in the sections of the manual that you read. These warnings will help to prevent serious issues from occurring.
CAUTION	The caution symbol indicates possible hardware or software failure, or loss of data.

© Verifone Inc. All rights reserved.

Definition of Terms

The following terms and abbreviations are used throughout this document.

Terms	Definitions
ADK	Application Development Kit
AID	Application Identifier Application Identifiers are data labels that differentiate payment systems and products. The card issuer uses the data label to identify an application on the card or terminal.
BIN	Bank Identification Number A 6-digit number assigned by the Payment Card Services Corporation and used to identify a member or processor for authorization, clearing, or settlement processing.
CID	Cryptogram Information Data
CMC	Configuration Management Console, used to store and maintain payment app and other packages, those are specific to a customer in a region.
CVM	Cardholder Verification Method A method used to confirm the identity of a cardholder.
CVV	Card Verification Value A unique value calculated from the data encoded on the magnetic stripe of a VISA card, validating card information during the authorization process.
DCC	Dynamic Currency Conversion
DEV	Development environment. This is used for Customer lab for the purpose of development and unit testing.
DUKPT	Derived Unique Key Per Transaction A key management scheme in which for every transaction, a unique key is used which is derived from a fixed key.
802.1x Authentication	802.1x Authentication for Network Interface This is a standard for network access control that verifies a user or device's identity before granting network access, to prevent unauthorized connections to an Ethernet or WiFi network by only allowing authenticated traffic through the port.
EAP	Extensible Authentication Protocol. This type of key management protocol allows different authentication methods to be used for network access.
EMV	EuroPay, MasterCard, Visa Specifications.

© Verifone Inc. All rights reserved.

Terms	Definitions
	This is a global standard that outlines the interaction between smart (chip) cards and terminals and often referred to as “Chip and PIN”.
EPP	eXternal PINPad
GPRS	General Packet Radio Service. Wireless communication service which transmits mobile signal on 2G and 3G cellular transmission networks. This is utilized for internet connectivity, multimedia messaging service, and other types of data transmission.
Green Box	Verifone's Global Payment Gateway
IDS	Integrated Deployment System
IPP	Internal PINPad
Jenkins	An automation server to enable continuous integration and continuous delivery (CI/CD), automating the various stages of software development such as test, build, and deployment.
JSD	Jira Service Desk project
MAC	Message Authentication Code A short piece of information that is used to authenticate a message.
MSR	Merchant Solution Release
PAN	Personal Account Number. A variable length, 13 to 19-digits, ISO 7812-compliant account number that is generated within account ranges associated with a BIN by a Card Issuer.
PFS	Production File Signing
PKI	Public Key Infrastructure.
POS	Point of Sale A terminal or ECR.
PROD	Production environment This is actual environment where the products are deployed and used by end-users.
PSK	Pre-shared key
PWC	PAYware Connect. Verifone Payment Gateway for North America Region.
RSR	Reference Set Repository

© Verifone Inc. All rights reserved.

Terms	Definitions
SAF	Store and Forward
SCA	Secure Commerce Application
SSID	Service Set Identifier This is the public name given to a wireless network.
TPPID	Third-Party Payment Provider Identifier
VAS	Value-added services Examples are loyalty, gift cards, coupons, etc.
VCL	VeriShield Crypto Library. It allows the payment device to generate keys whenever a key update is required.
VHQ	Verifone Estate Management
Workflows	List of devices with different configuration in MSR portal
XPI	eXternal PINPad Interface

Document Organization

Chapters	Definitions
Overview	This section outlines the web-based MSR portal with its capabilities, operating across the environments, defined User Roles and prerequisites to use the portal.
Getting Started	This section outlines the procedures for the portal Login, onboarding a new merchant profile, updating and cloning an existing merchant.
MSR Portal Components	This section provides detailed information about the all the components of MSR portal necessary for customizing and configuring the solution.
Custom Configuration Questionnaire	This section outlines the questionnaire designed to capture details on each feature category of the application.
Getting Help	Refer to this section for Frequently Asked Questions and Support Team for further assistance.

© Verifone Inc. All rights reserved.

Related Documents

- SCA Functional Specification - **SCA Application** - Details on the features, application protocols, configuration parameters details and media specification.
- EPP Interface Functional Specifications Guide - **XPI Application** - Details on the features, application protocols and configuration parameters details.

© Verifone Inc. All rights reserved.

Overview

MSR portal is a web-based application designed to automate the configuration and build processes of payment applications, eliminating the need for manual intervention. It allows for the customization of application functionalities according to specific requirements and efficiently generates builds, streamlining the development workflow.

The portal facilitates the creation of merchant profiles by collecting application functionality requirements through a structured questionnaire. This information is essential for customizing the merchant solution application. Upon completion, an internal mapping configuration translates the collected data into a tailored configuration file, which is then generated for the specific merchant.

Once the software stack has been built, it has capability to perform the following functionalities:

- Run the automated test in Verifone Lab.
- Submit the packages for the production signing to the signing portal.
- Upload those packages to the internal Verifone server.
- Allows the creation of reference sets for deployment in both development (DEV) and production (PROD) environments, facilitating the sharing of these packages through the CMC.

The portal organizes the following configuration components into distinct tabs, each containing detailed questionnaires tailored to gather specific information about the solution's functionalities:

- **Profile Details** - This tab displays the details on application, versions of the solution, preferred location for the merchant, the selected processor with tender details and the selected devices (Workflows) for that merchant. This tab also displays the action keys for generating build and test results.
- This tab provides comprehensive information about the merchant's configuration, including application and solution versions, preferred merchant location, selected processor and tender types, and device configurations (Workflows). Additionally, this tab features action keys that facilitate the generation of the build and retrieval of test results.
- **Configurations** - This tab presents a series of detailed questionnaires designed to gather specific information about the desired functionalities and features, facilitating the creation of a tailored payment application.
- **Bin Data** - **BIN Data** tab is exclusive to SCA configurations. It provides a comprehensive list of BIN ranges corresponding to the selected card schemes and tender types specified in the merchant profile.
- **Media** - **Media tab** facilitates the management of media content on Verifone devices. It allows for the upload and scheduling of customer-provided or Verifone-recommended media files, such as images, animations, audio, and video to be displayed or executed on supported devices.

Refer to Merchant Profile Configurations section for more details on the above configuration tabs.

© Verifone Inc. All rights reserved.

This portal is hosted and maintained by Verifone. Similar to other deployment environments, it operates across four primary environments. Access to these environments, is governed by the **User Roles**, which are defined in User Roles Defined section.

Production environment:	https://msr.gt.verifone.com/	- This environment serves to configure and build solutions tailored to specific merchant profiles. Access is granted based on user roles, which are defined in User Roles Defined section.
Staging environment:	https://msrcst.gt.verifone.com/	- This is the pre-production, more commonly known as the Staging environment, which is used to test the portal with actual merchant profile before deploying it to Production.
QA environment:	https://msrqat.gt.verifone.com/	- This environment is dedicated to the internal Verifone portal development team for testing and validating the features and functionalities of the portal.
Dev environment:	https://msrdev.gt.verifone.com/	- This environment marks the initial phase of development, utilized exclusively by the internal Verifone portal development team for application development and unit testing.

NOTE	**Production environment** is the only environment to use for configuring, building, and deploying the merchant solution.

Prerequisites

To utilize the functionalities of this portal, the following requirements must be met:

- User must have **JSD** or **Okta** credentials to access the portal.
- User should have one of the following **User roles** assigned:
  - Admin
  - Guest
  - Business Analyst
  - Developer
  - Developer Support

  Refer to the pertinent Application Specification Guides for comprehensive insights into the features and configuration details applicable to the execution of this project.

NOTE	• If customers do not possess **JSD credentials**, please contact your Verifone sales representative for assistance. • **Okta credentials** are primarily intended for internal Verifone users.

© Verifone Inc. All rights reserved.

User Roles Defined

- **Admin -** Admin role is allowed to create new merchant and profile, update/modify the configurations of the created profile, and perform all the functionality from the Build and Test sections.
- **Guest** - Guest role is allowed only to view the profile of logged in merchant. No other activities on the portal are allowed for this role.
- **Developer Support** - Developer Support role is allowed to perform all functionalities like the Admin role, except triggering the following activities: Production File Signing (PFS), Build promotion, generating Prod Reference Set and deploying to CMC and PROD.
- **Business Analyst** - Business Analyst role is allowed to add new profile under the logged-in merchant, update/modify the configurations tab and trigger the build for the logged-in merchant's profile.
- This role is not allowed to create a new merchant and perform any of the following functionality from the Build and Test sections: Creating IDS Reference Set, Production File Signing (PFS) submission, Build promotion and deploying to VHQ, CMC and PROD.
- **Developer** - Developer role is allowed to access every functionality in the portal. Primarily this role is catered for the Portal development team.

NOTE	**Business Analyst** and **Developer** user roles are catered for internal Verifone team.

	View Merchant & Profile	Add Merchant	Add profile	Update Merchant & Profile	Build & Test	IDS Ref Set		Build Promotion	PFS Submission	Deploy to VHQ	Deploy to CMC	
						DEV	PROD				DEV	PROD
Admin	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Guest	✓											
Business Analyst	✓	✓	✓	✓	✓							
Developer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Developer Support	✓						✓	✓	✓			✓

Refer to Getting Started section for understanding on add, modify/update **Merchant** and **Profiles**, and Build and Test Results section for details on the actions from **Build and Test** to **Deploy to CMC**.

© Verifone Inc. All rights reserved.

Supported Applications

Currently, the MSR portal facilitates the configuration and development of the following payment applications:

- SCA
- XPI

Supported Devices

Engage series

- E280
- M440
- M424
- M400
- P400
- V400C
- V400M
- E285
- E280
- E235
- P200
- V200C

Neo/Neo2 series

- M425
- M450
- UX700-ML
- UX700-UWB
- P630

© Verifone Inc. All rights reserved.

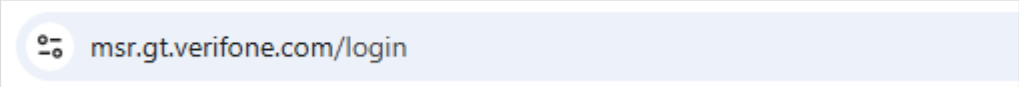
Getting Started

The section outlines the procedures for establishing a new merchant profile and updating an existing merchant.

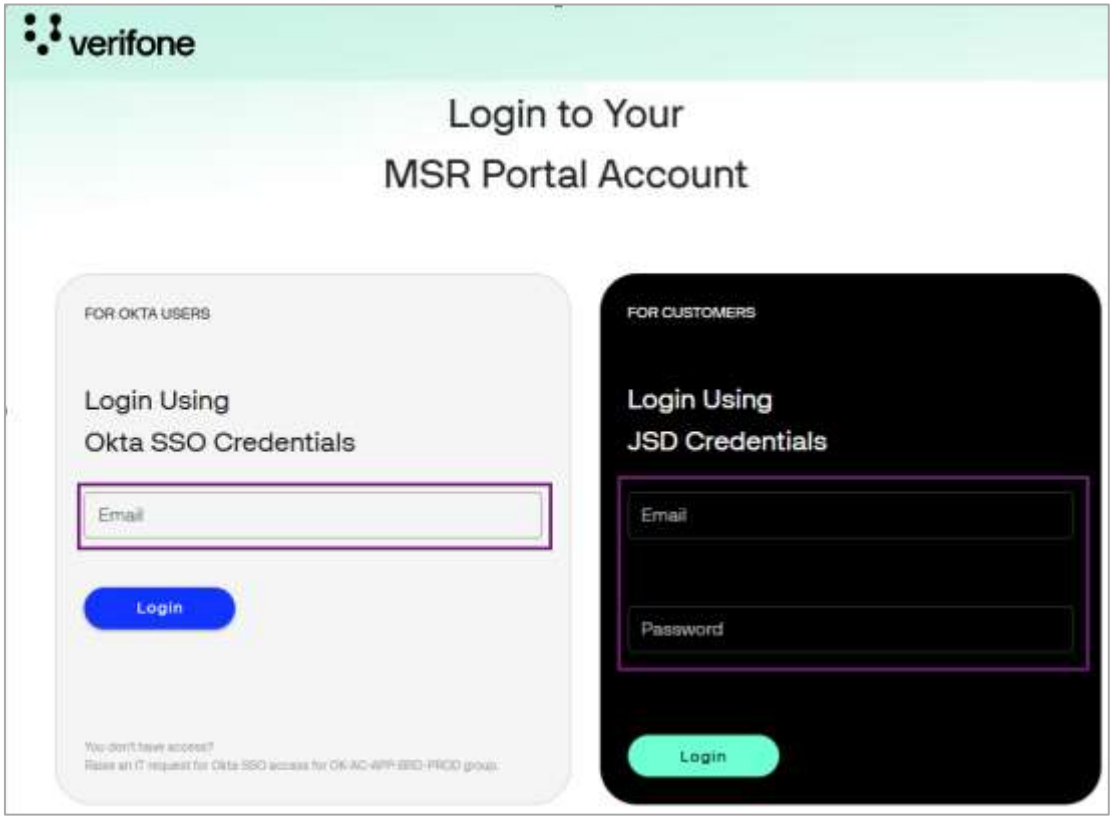
- Portal Login
- Create New Merchant
- Upgrade Solution for existing Merchant
- Update Configuration for existing Merchant
- Cloning an existing Merchant Profile

Portal Login

1. Go to https://msr.gt.verifone.com/login to login to the portal using the relevant credentials.



2. Enter the email address and click **Login**.
   Verifone users should use their **Okta** credentials to login and **Customers** should use the **JSD** credentials to login.

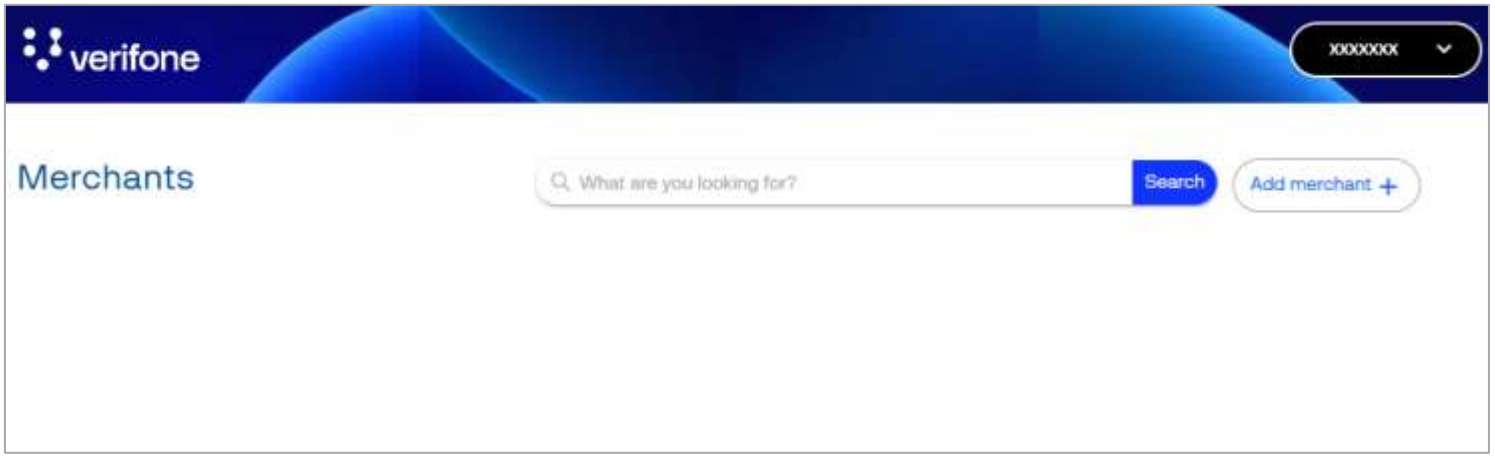


© Verifone Inc. All rights reserved.

3. If the user is not having valid access, then the below message will display upon entering credentials in the login page.

NOTE	• **Verifone users** should raise IT request for **Okta SSO** access for **OK-AC-APP-BRD-PROD** group. • **Customers** should contact your Verifone representative, in case of any issue with the **JSD credentials** and access.

4. Upon successful login to the MSR portal, the **Home** page displays as below.



NOTE	**Customers** will have access to **view and update only the merchant profile they have created**. Other merchant profiles will remain hidden from the landing page.

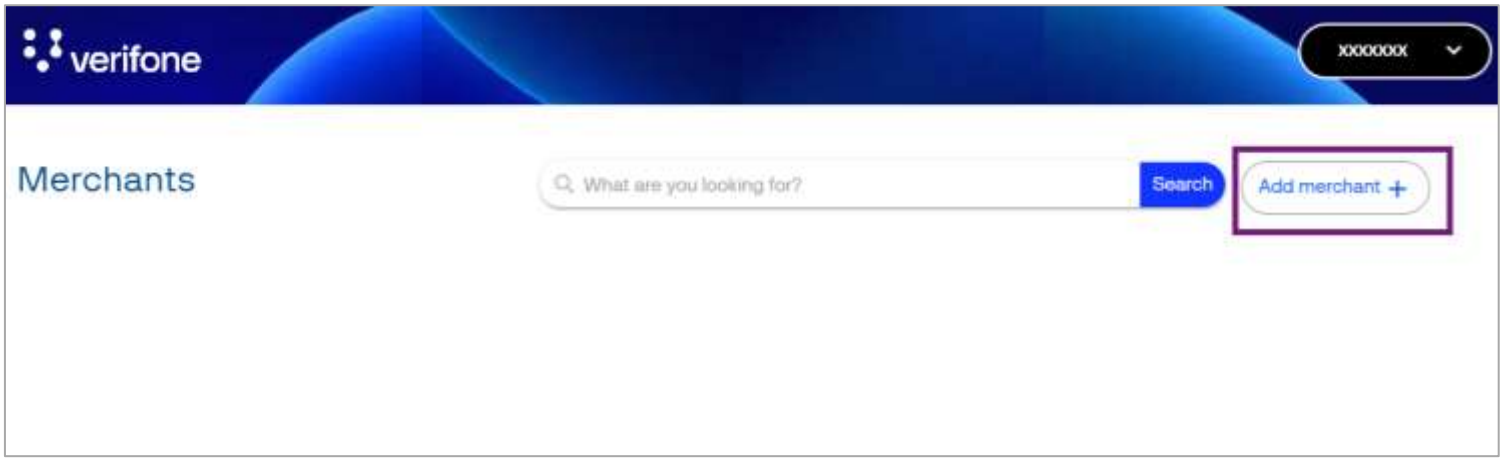
© Verifone Inc. All rights reserved.

New Merchant

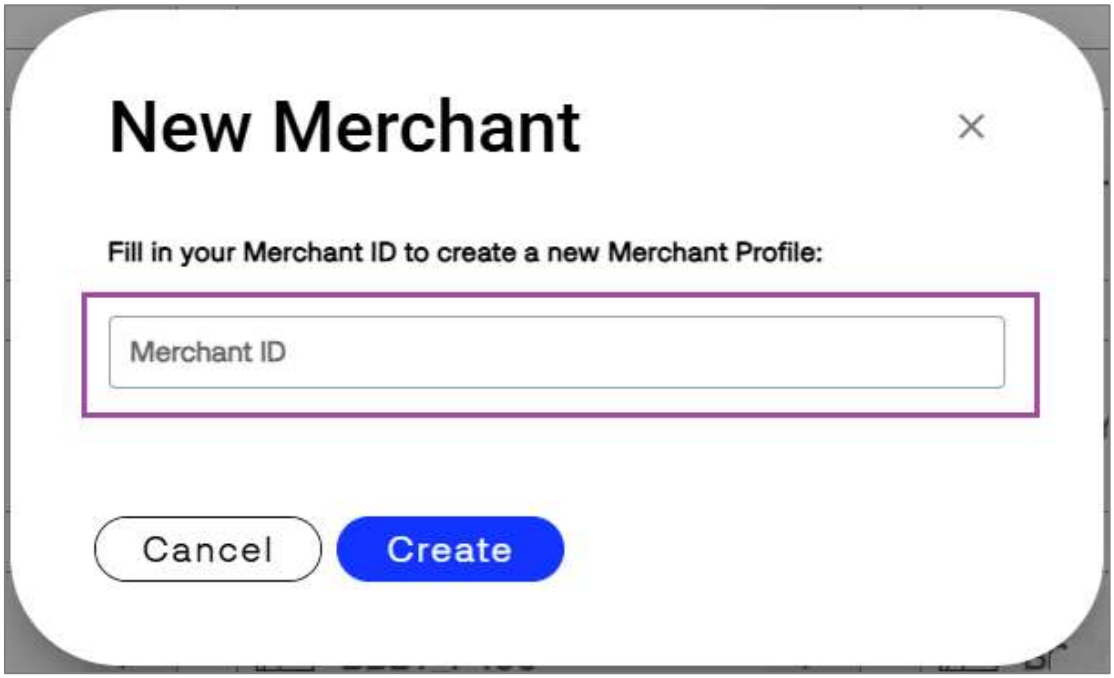
This section describes the **onboarding** of the **new merchants**, who are not registered in the MSR portal particularly, however, may be active customer of Verifone payment solution. Following are the steps to create a new merchant in the MSR portal.

Add Merchant

1. After successful login, the Home page is displayed and provides option to create the new Merchant, click the **Add merchant +** option on the right upper side.



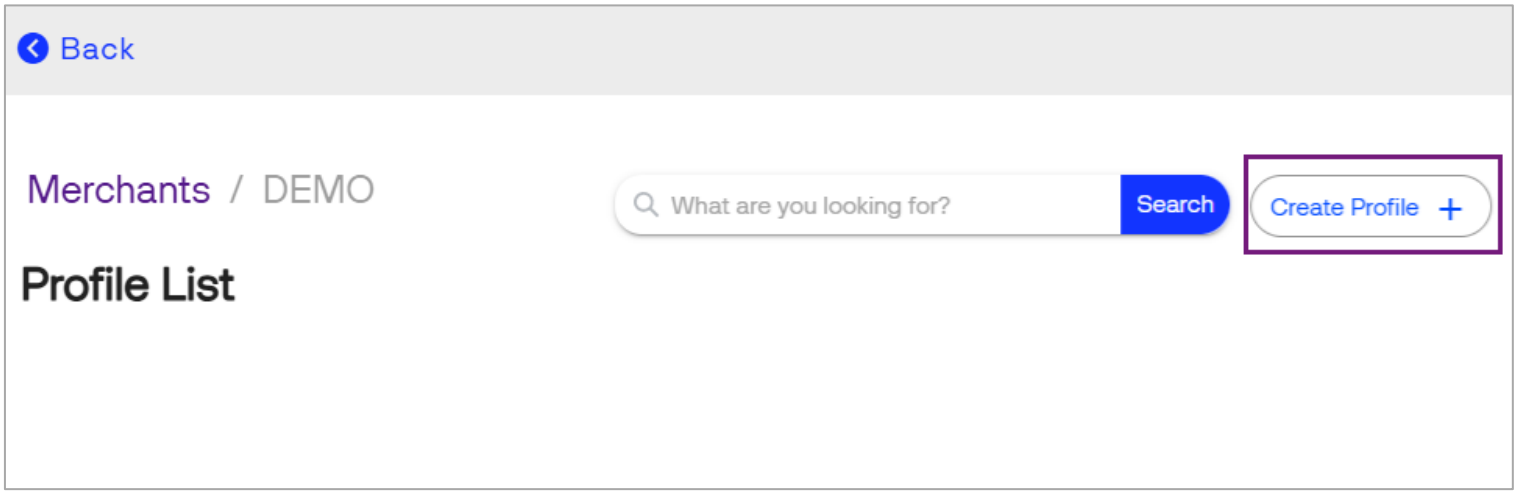
2. Enter the Merchant name to create a new merchant profile and click **Create**. Merchant ID can be given as merchant name or any identifier for the Merchant. The Merchant Name is restricted to **20 characters**.



© Verifone Inc. All rights reserved.

NOTE	It is recommended to avoid the following characters, when creating the Merchant name for a new Merchant profile. /, \, , @, #, $, %, ^, &, *, (,), +, =, {, }, [,], :, ;, ", ,, <, >, ., /, ?, !, ~, `, |, space

3. **Profile List** page is displayed, once the Merchant is created.



Create Profile

A **merchant Profile** serves as a tailored configuration that encapsulates a merchant's specific requirements and settings. It is essential to manage and maintain distinct builds of the payment application tailored to each merchant's estate.

If a merchant estate requires two distinct builds of an application for the US and Canada regions, they can create separate profiles - US and CAN - each configured with the respective build. However, if only one build is needed, they can simply create a single profile for the US.

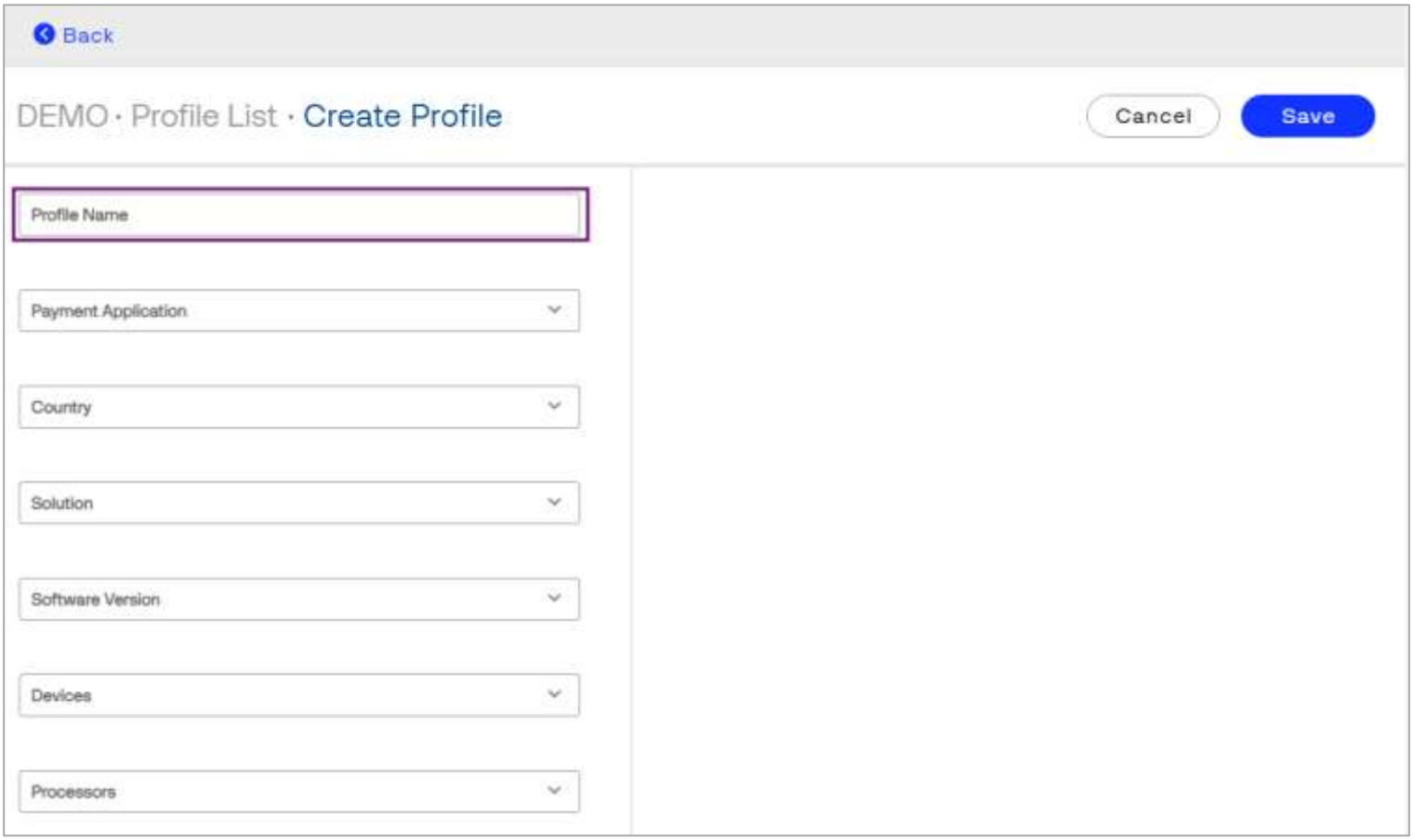
In cases where multiple build types of an application are required within a single region, such as the US, customers can create profiles using additional identifiers like **US-XXXX**. The system supports three build types - **USA (US)**, **Canada (CAN)**, and **Puerto Rico (PR)**. For better segmentation, it is recommended to follow a structured profile naming convention.

1. Click the **Create Profile +** option on the right upper side of **Profile List** page.
2. **Create Profile** screen is displayed with the required fields to capture details. The list of fields in **Create Profile** screen are described below:

© Verifone Inc. All rights reserved.

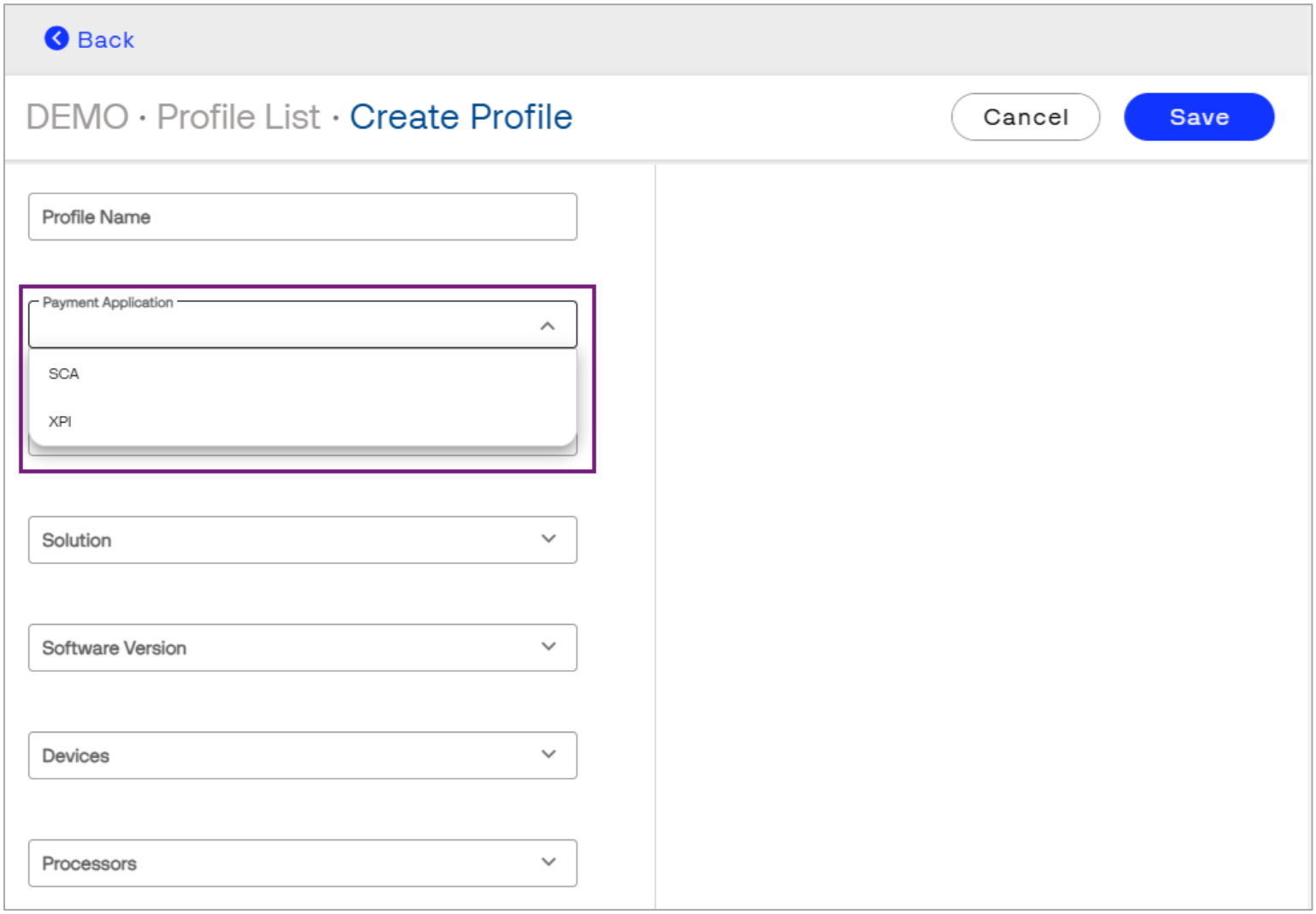
- **Profile Name** - Enter a Profile name based on the recommendation for better differentiation of configuration within the estate. The Merchant Name is restricted to **10 characters**. For Example: US, CAN, PR

NOTE	It is advised **NOT** to use the following naming conventions or extension, when creating the Profile name for a new Merchant, to avoid getting error messages: dev, prod, sca, xpi, engage, android, _dev, -dev, dev_, dev-, _prod, -prod, prod_, prod-, vos, vos2, vos3, neo, ugp, fdrc, fdca, gsc, chase, chcs, chhc, worldpay, vntv, vnhu, vnhc, tsys, wppu, wppc, wppt



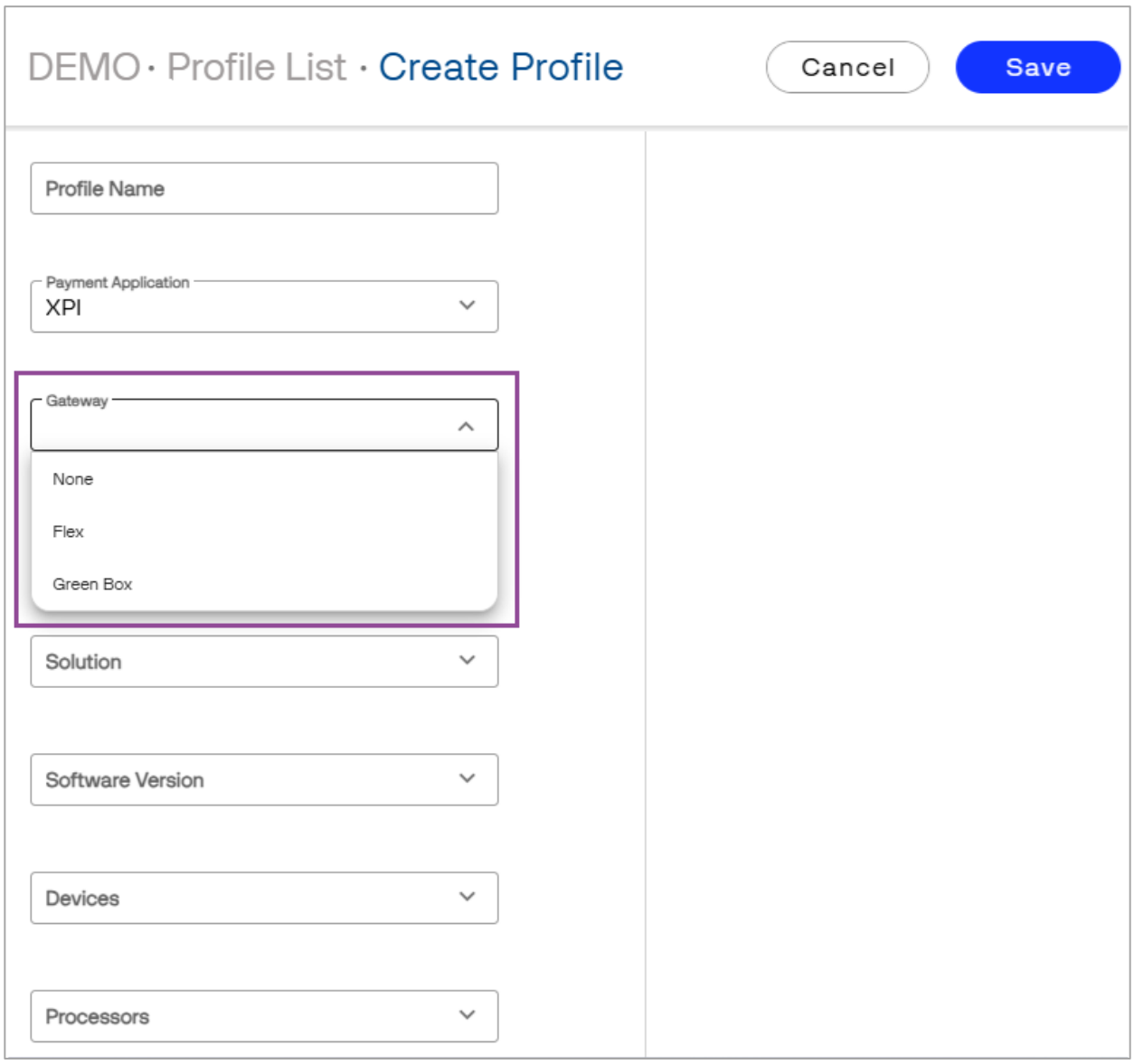
© Verifone Inc. All rights reserved.

- **Payment Application** - Select the payment application as **SCA** or **XPI** from the dropdown list.



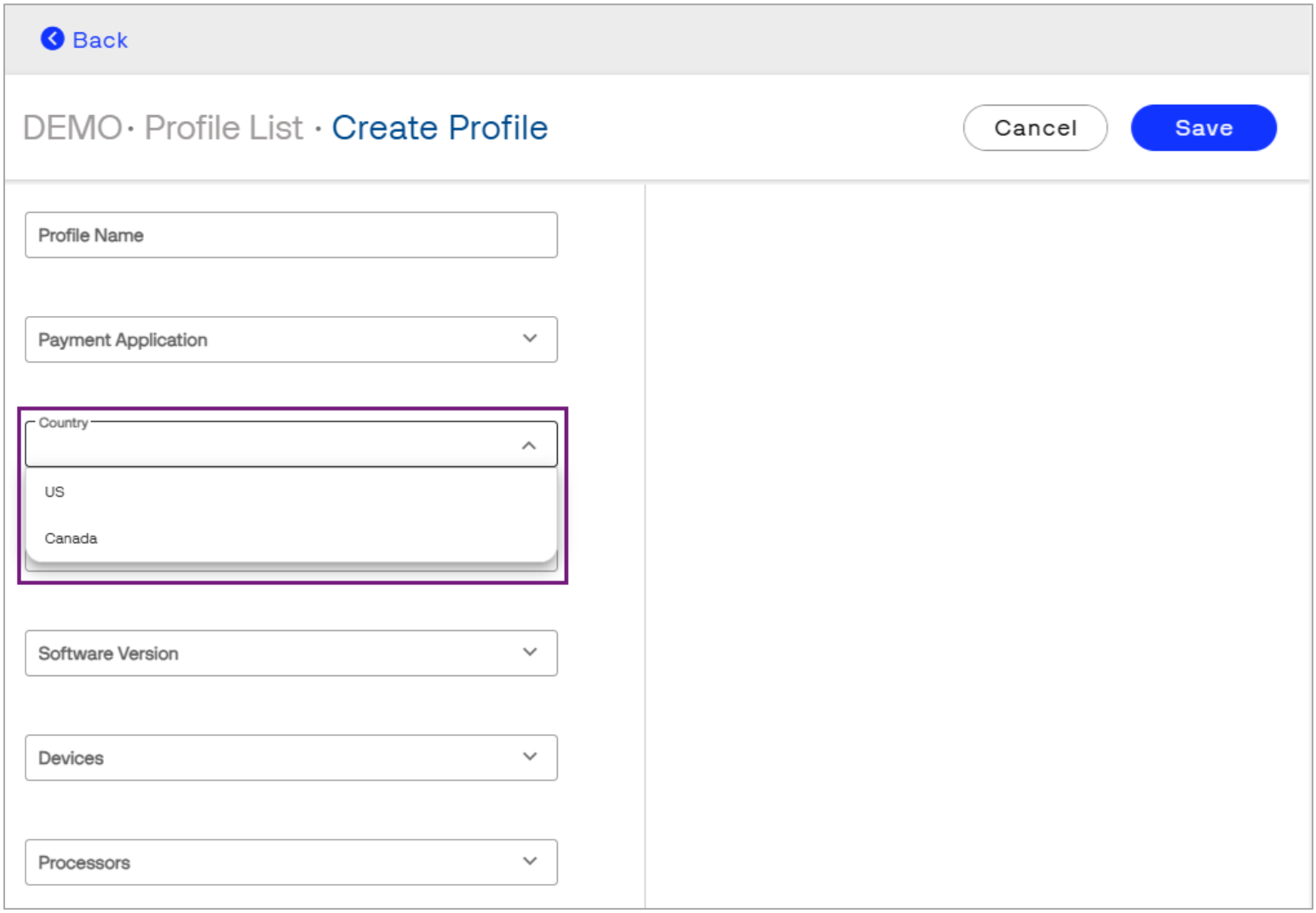
© Verifone Inc. All rights reserved.

- **Gateway** - Gateway option is applicable when **XPI** is selected as payment application. Select the option from the dropdown list:
  - **None** - If the merchant wants to communicate with Direct Processors (Host) for transaction authorization, instead of processing the transaction to Verifone Payment Gateway.
  - **Flex** - XPI solution communicate with Verifone Payment Gateway, also known as PAYware Connect (PWC) for transaction authorization, instead of Direct Processors (Host).
  - **Green Box** - XPI solution communicate with Verifone Green Box Gateway for transaction authorization, instead of Direct Processors (Host).



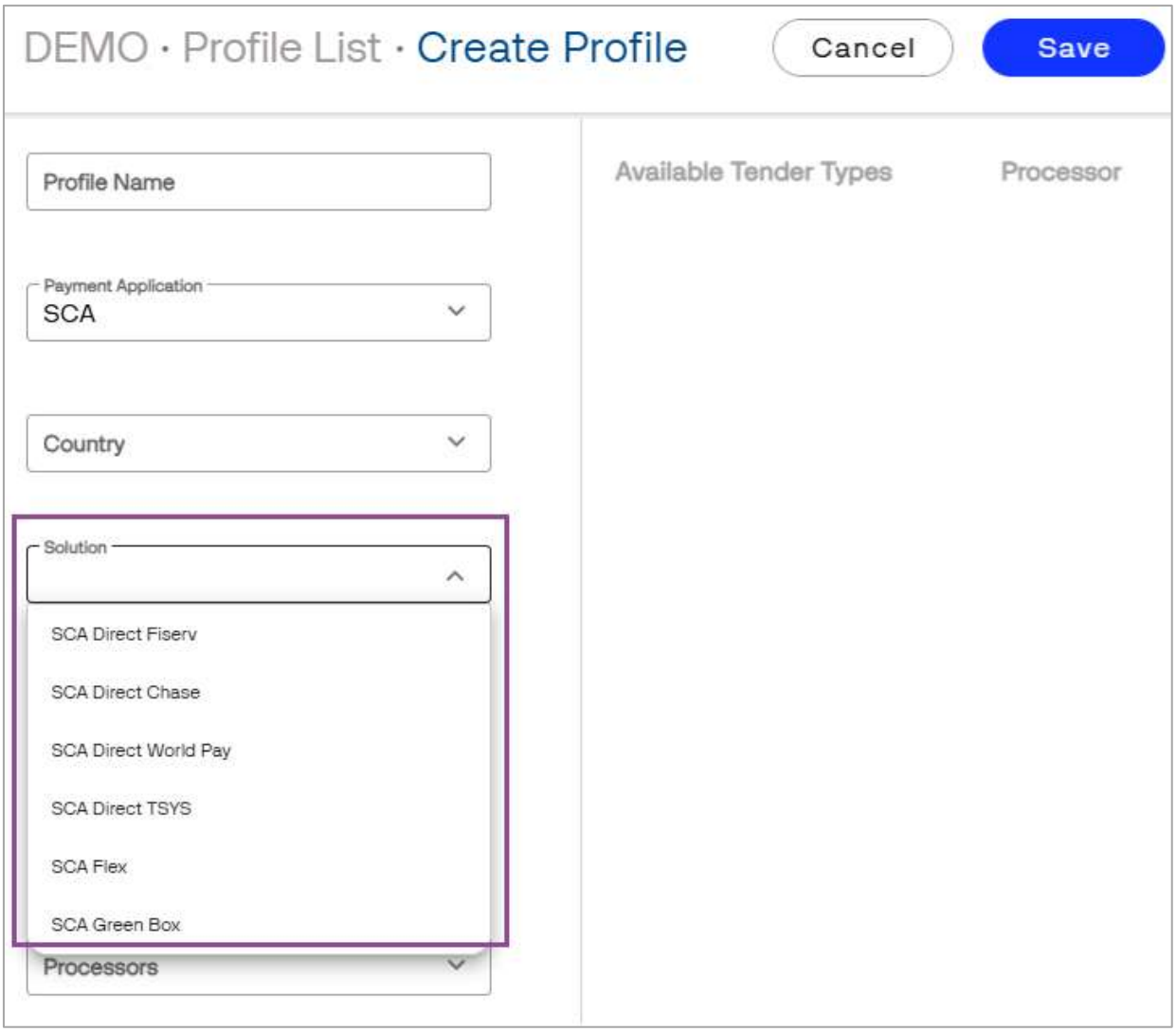
© Verifone Inc. All rights reserved.

- **Country** - Select the country from the dropdown list as US or Canada. For PR type of build, select country as US.



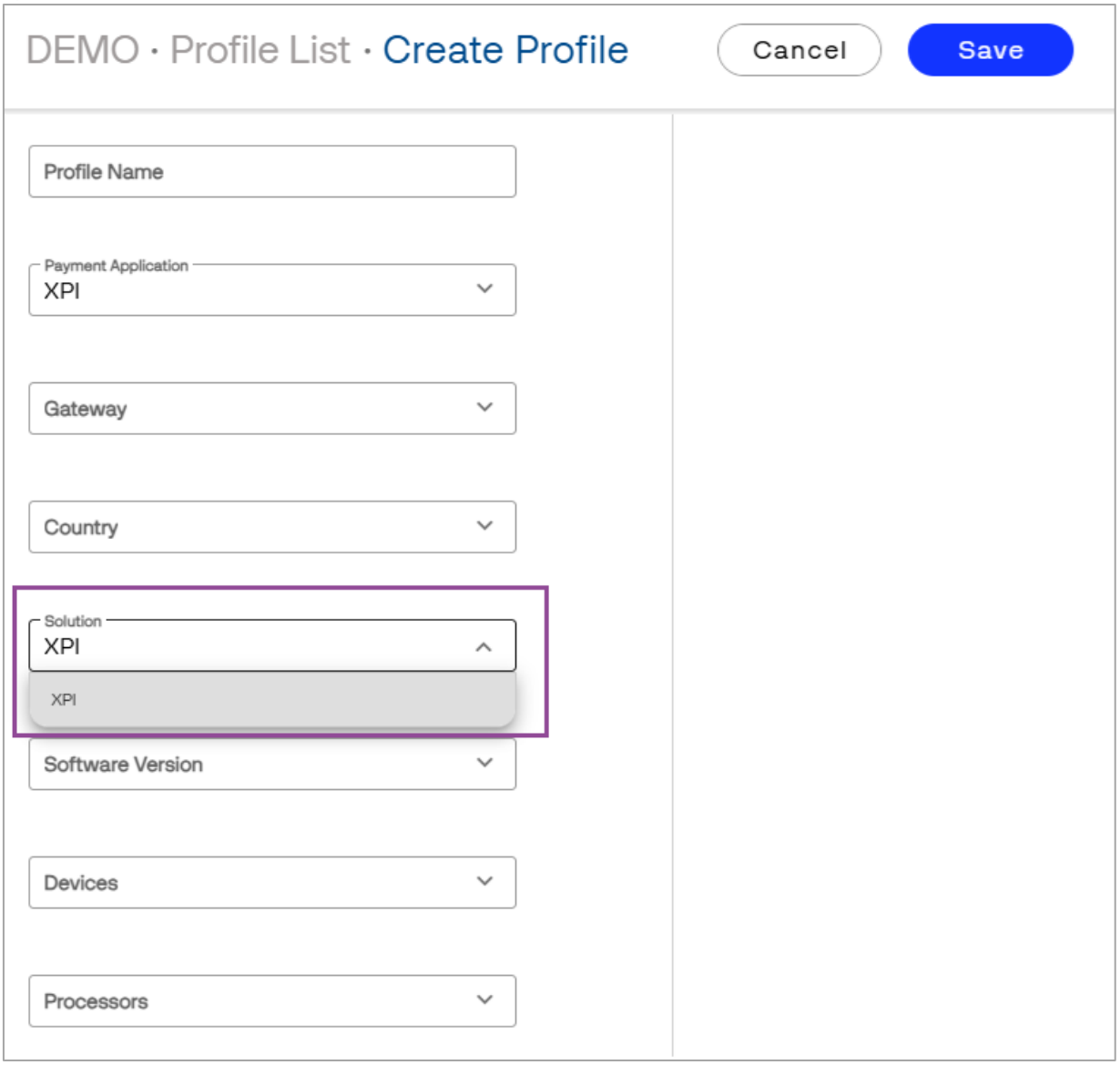
© Verifone Inc. All rights reserved.

- **Solution** - Click the dropdown list icon in Solution field and select the required solution.
  - **SCA Direct** - SCA solution directly communicate with end processors (Fiserv, Chase, Worldpay, TSYS) for transaction authorization.
  - **SCA Flex** - SCA solution communicate with Verifone Payment Gateway, also known as PAYware Connect (PWC) for transaction authorization.
  - **SCA Green Box** - SCA solution communicate with Verifone Green Box Gateway for transaction authorization.



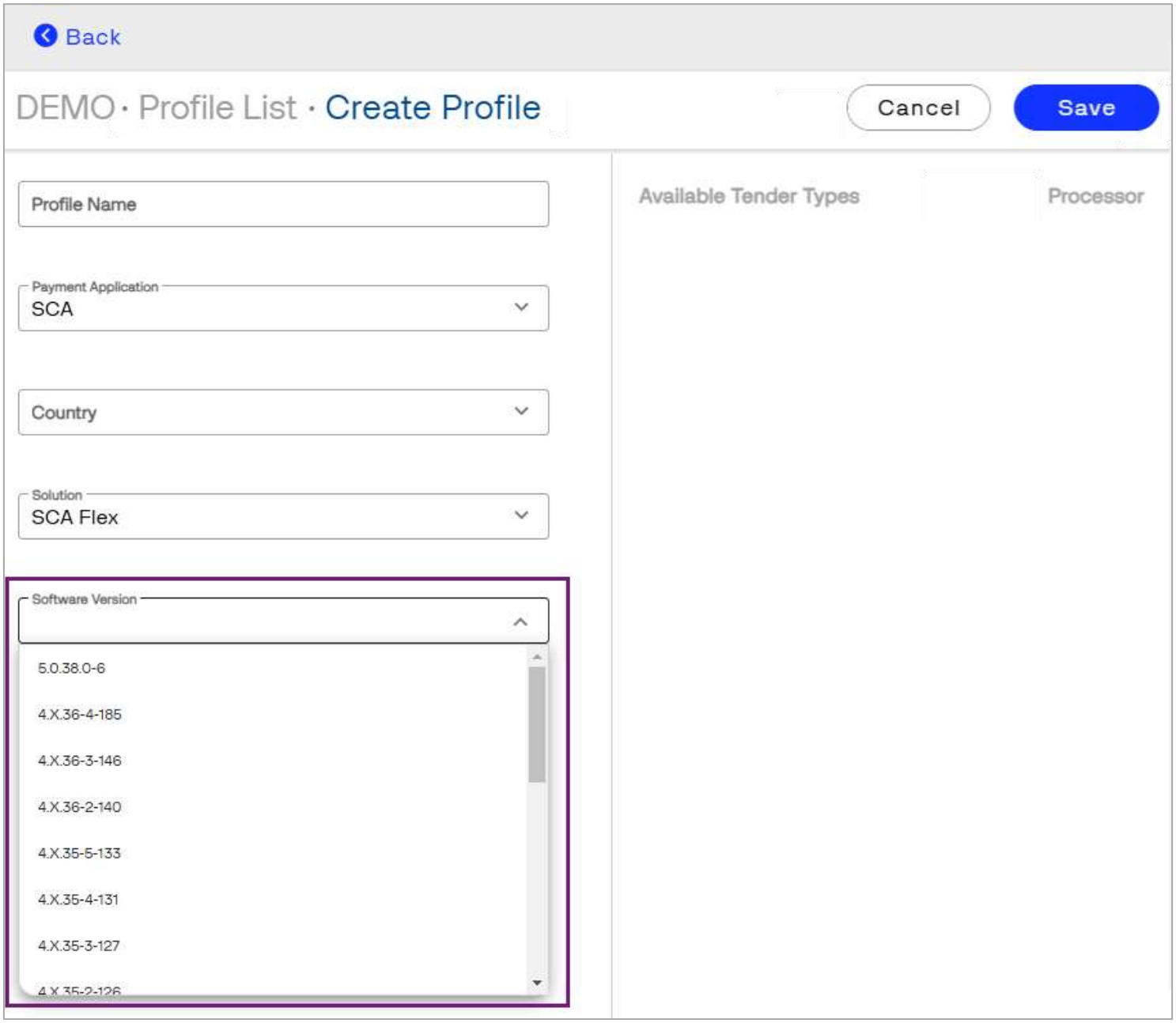
© Verifone Inc. All rights reserved.

- **XPI Solution** - For XPI application, only XPI solution is available. Select the Solution and proceed to the next option.



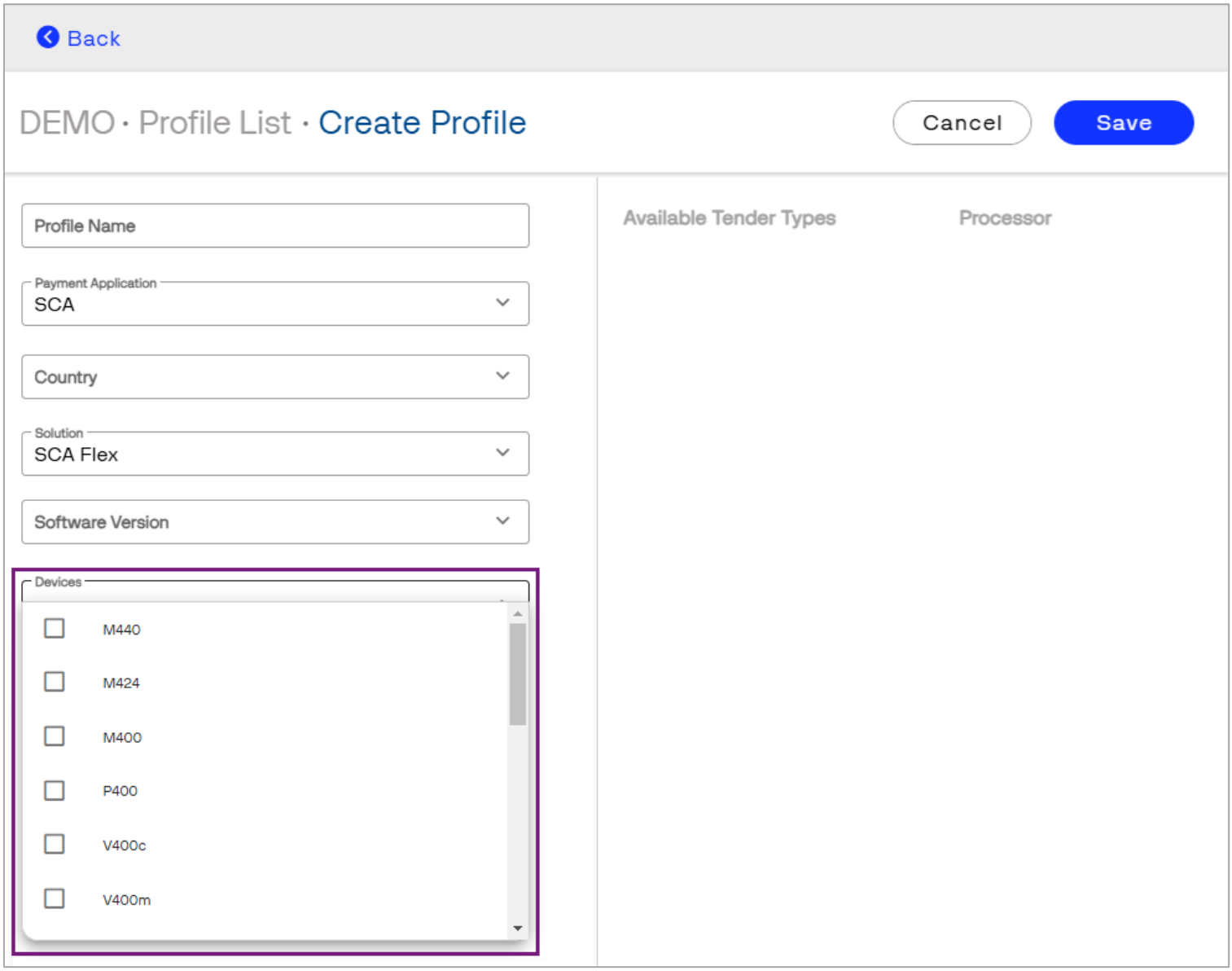
© Verifone Inc. All rights reserved.

- **Software Version** - Select the required software version for the merchant. It is recommended to choose the most recent version, typically listed at the top.



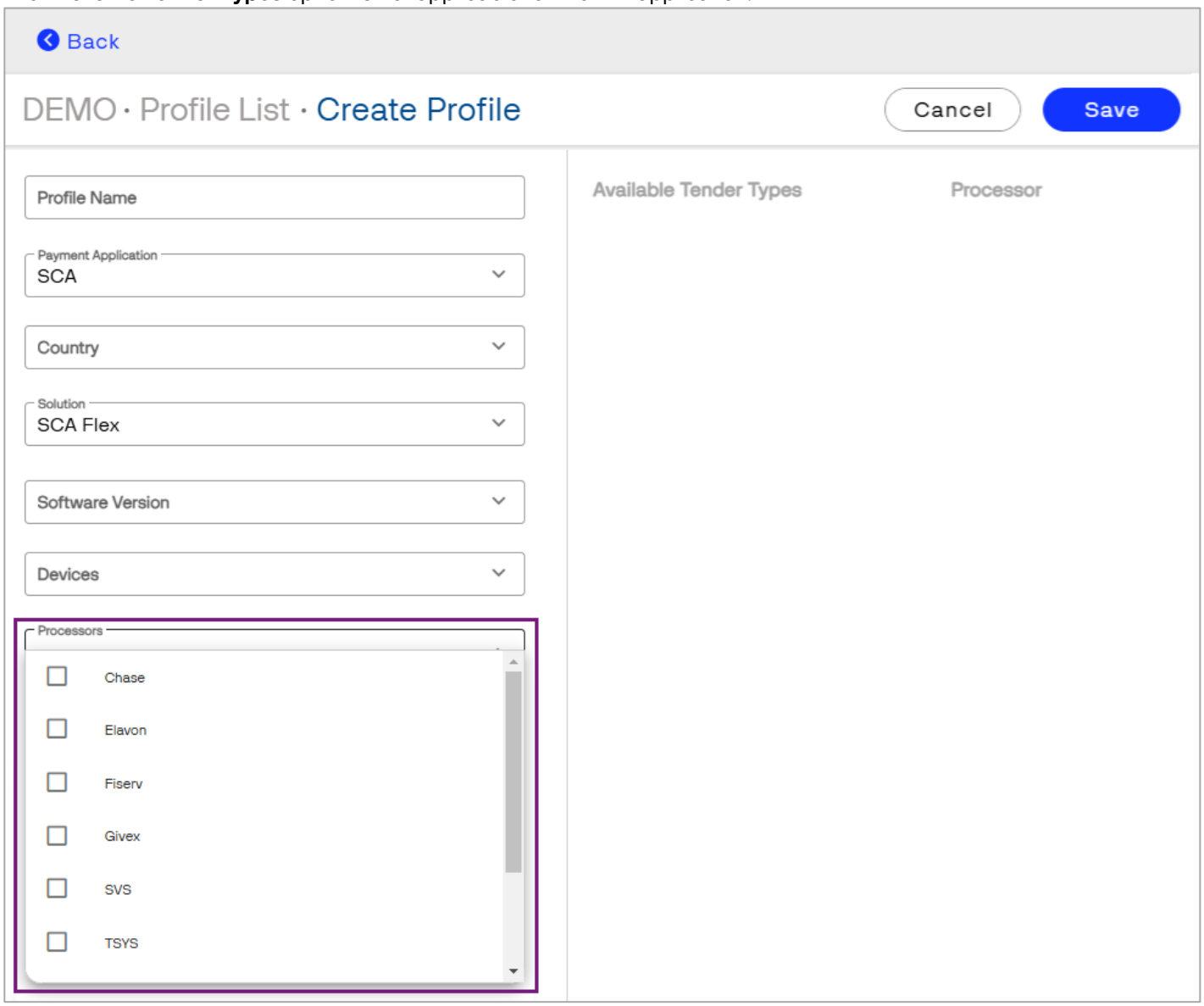
© Verifone Inc. All rights reserved.

- **Devices** - Select the devices you wish to assign to the merchant's estate. You may choose multiple devices form the provided list.



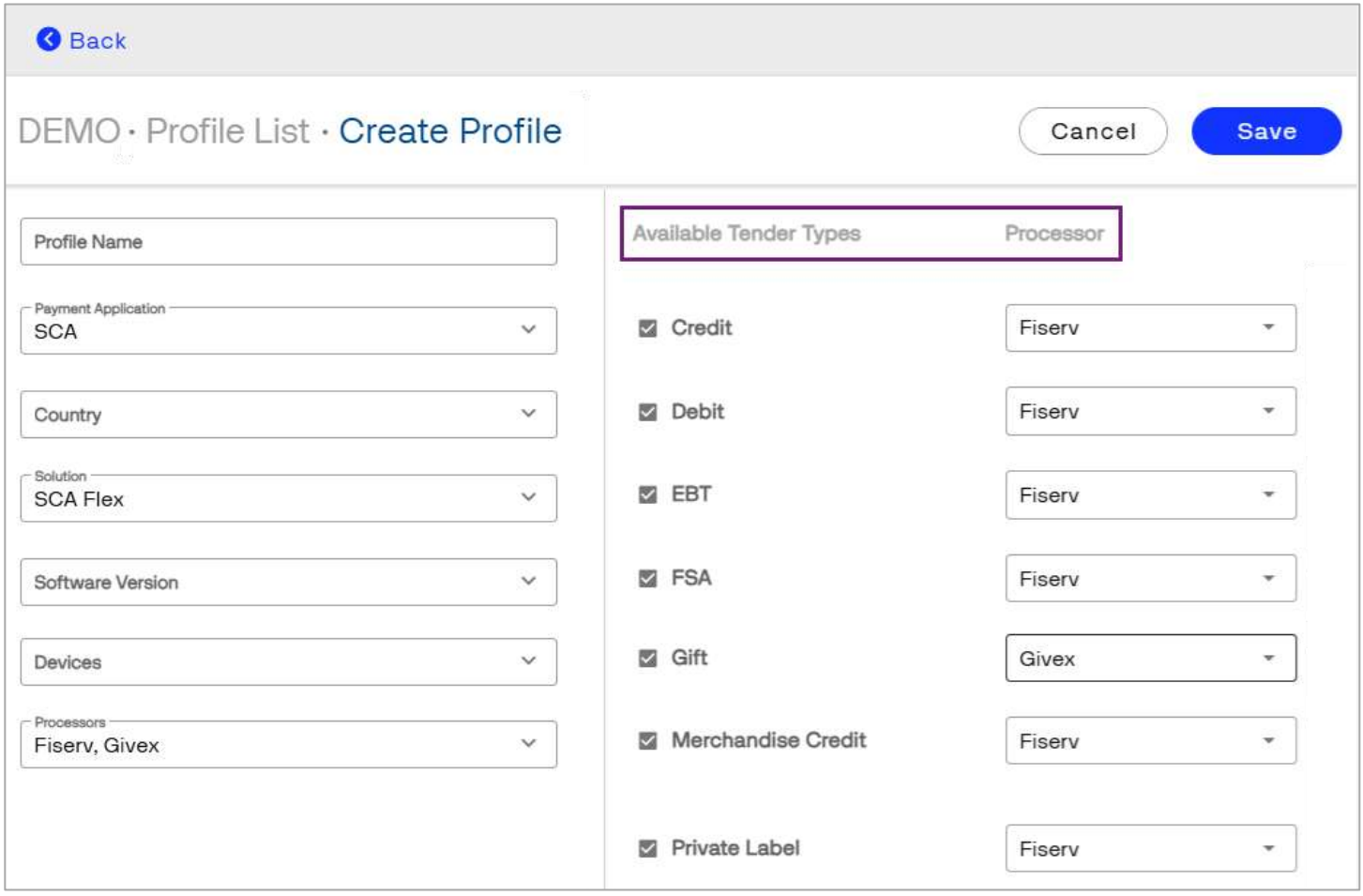
© Verifone Inc. All rights reserved.

- **Processors** - Select the Processors, that you want to have support for Host authorization. You may choose to select multiple processors from the provided list.
  Based on the selected processors, **SCA** application will display the corresponding **Available Tender Types**.
  The **Available Tender Types** option is not applicable for the **XPI** application.



© Verifone Inc. All rights reserved.

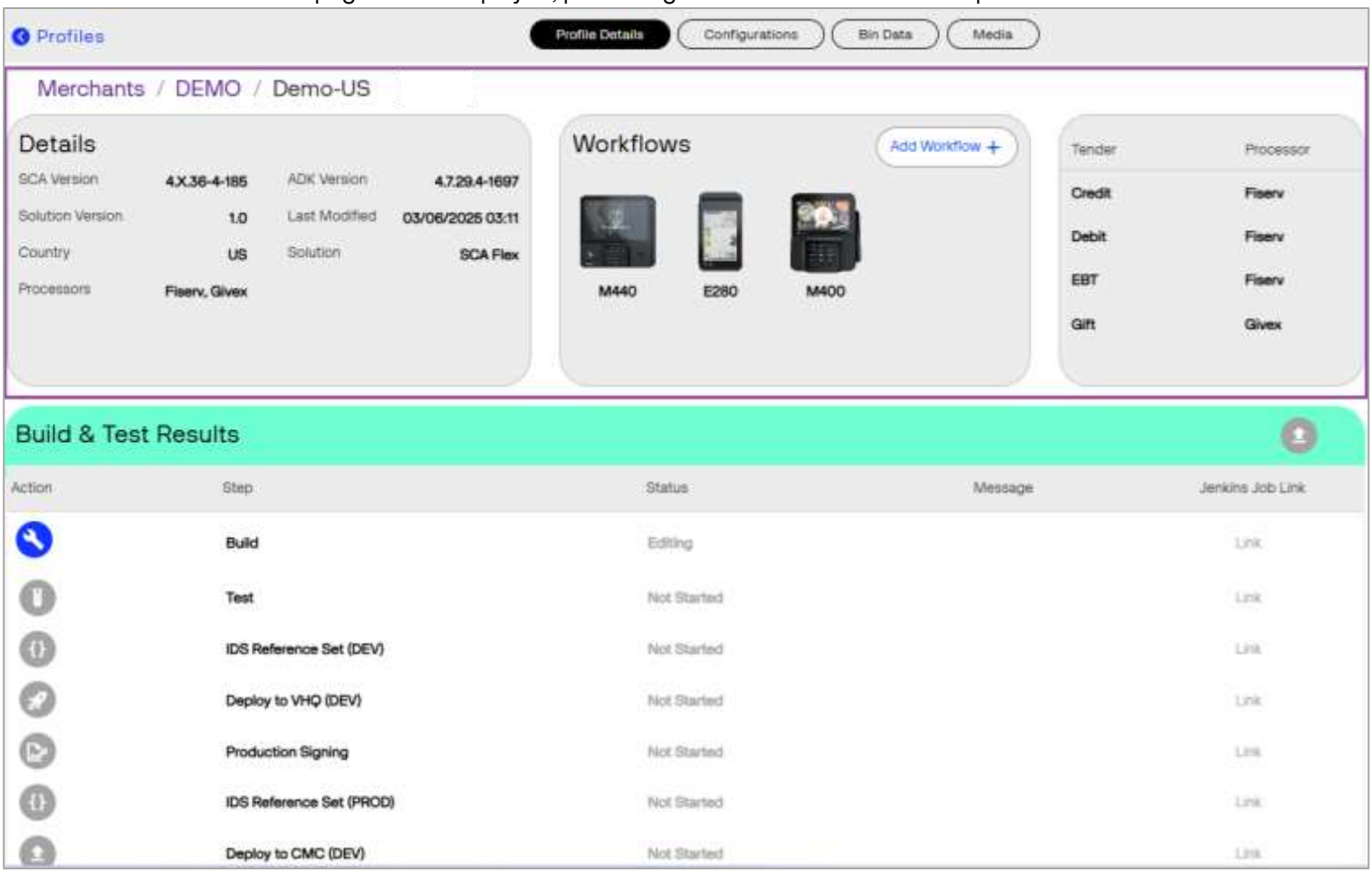
- **Available Tender Types** - Select the checkboxes for the Tender Types and select the consecutive Processor fields for the selected card.



- Once all the required field details are entered, click **Save**.

© Verifone Inc. All rights reserved.

3. The **Merchant Profile** Details page will be displayed, presenting a structured overview of all provided information.

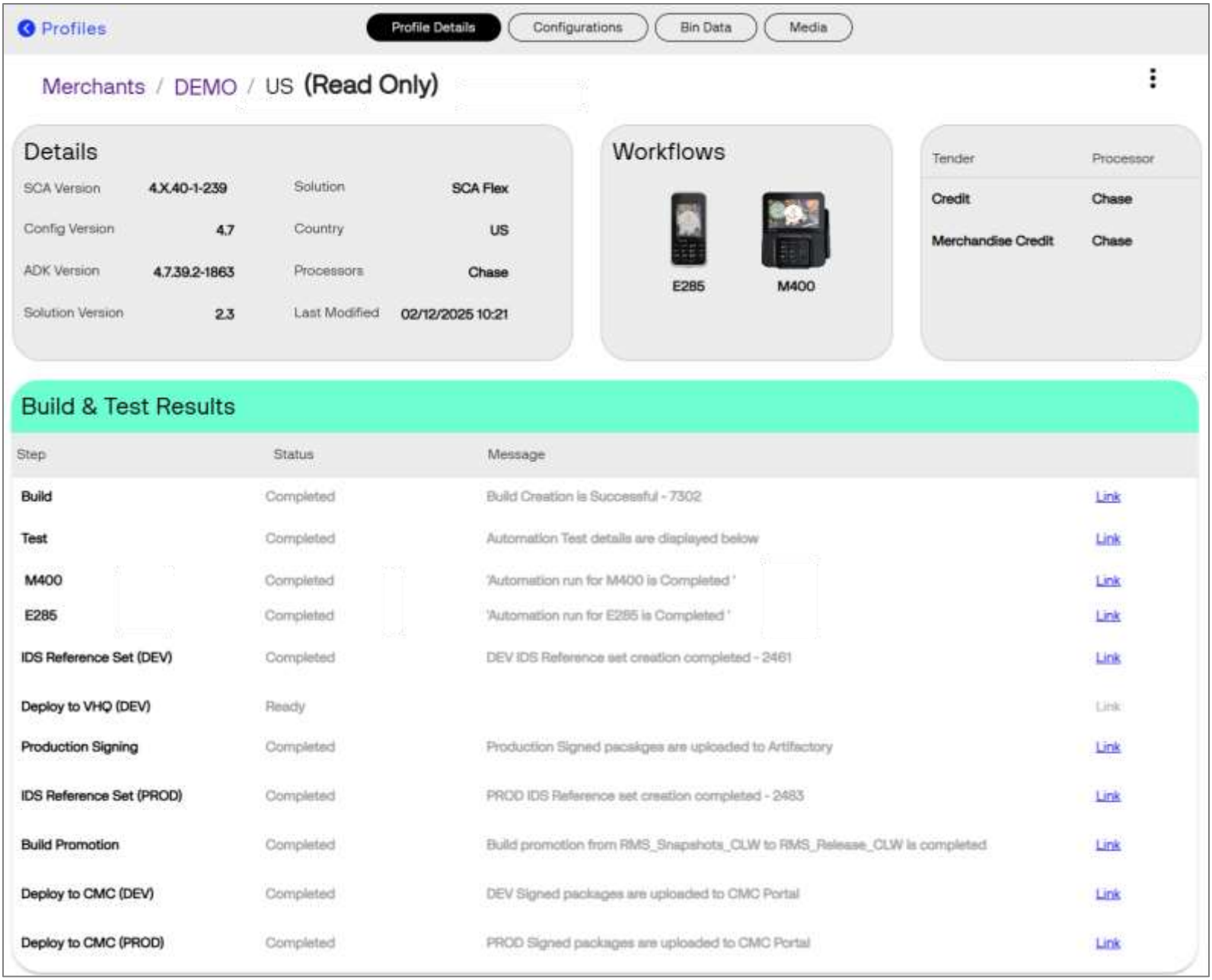


4. Once the Profile is created, you can continue with the configurations of the payment application. Refer to Merchant Profile Configurations section for further details on Configurations process and Build And Test Results section for more details on building and deployment process.

© Verifone Inc. All rights reserved.

Profile View for Guest User

This is the screen view as Read Only, when you login as guest user role:



© Verifone Inc. All rights reserved.

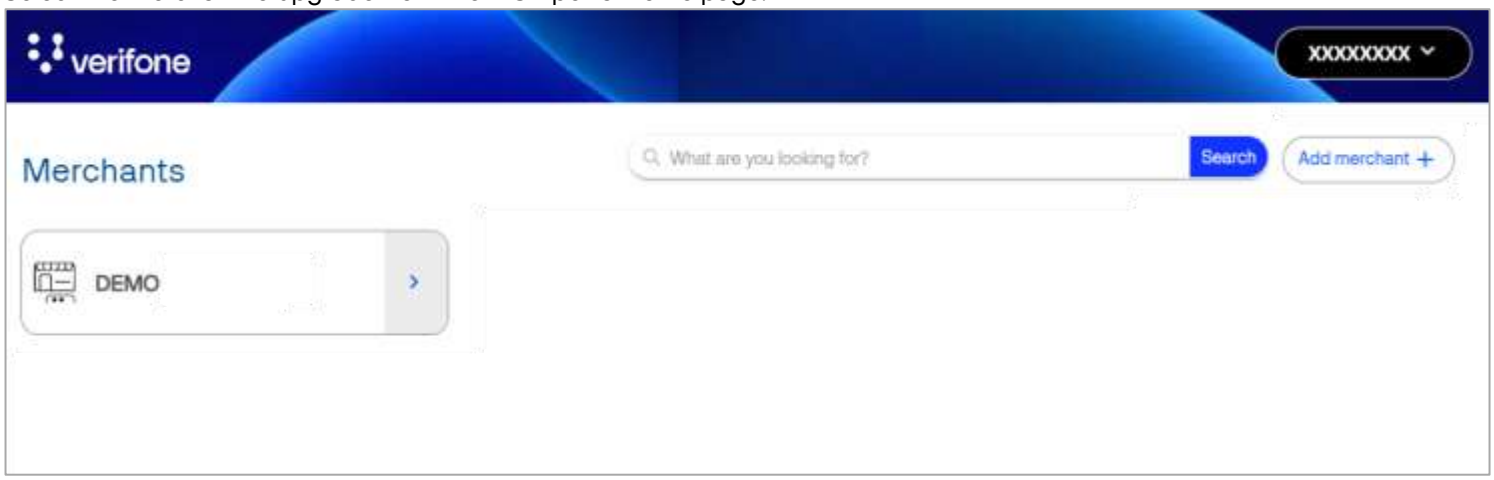
Existing Merchant

Active Merchants are the user or customer, registered in the MSR portal and using the portal for customizing and deploying the payment application.

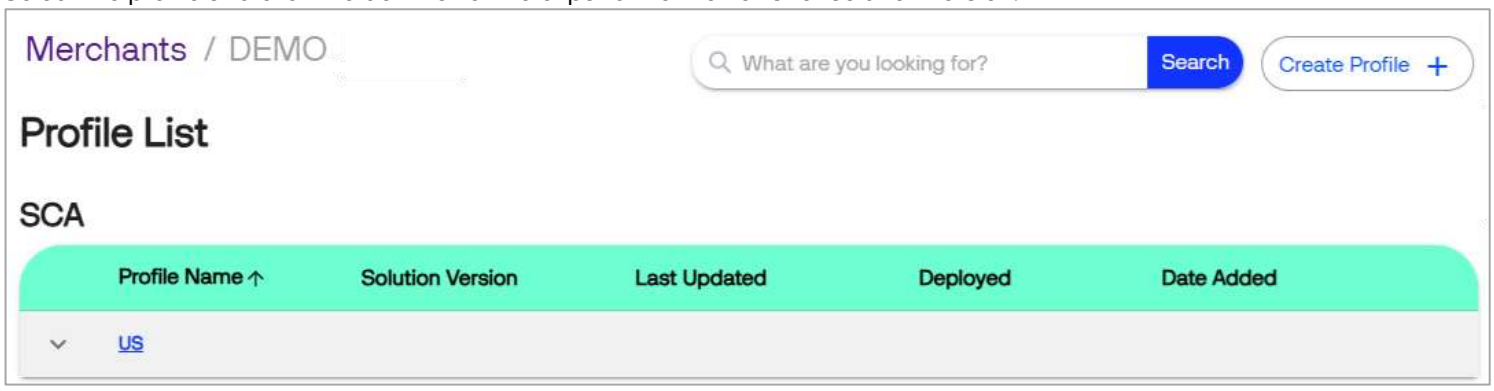
Upgrading Solution Setup

Active merchants may have requirement to upgrade with respect to new Solution version. Following steps provide the flow of the upgrade process.

1. Select the merchant to upgrade from the MSR portal home page.

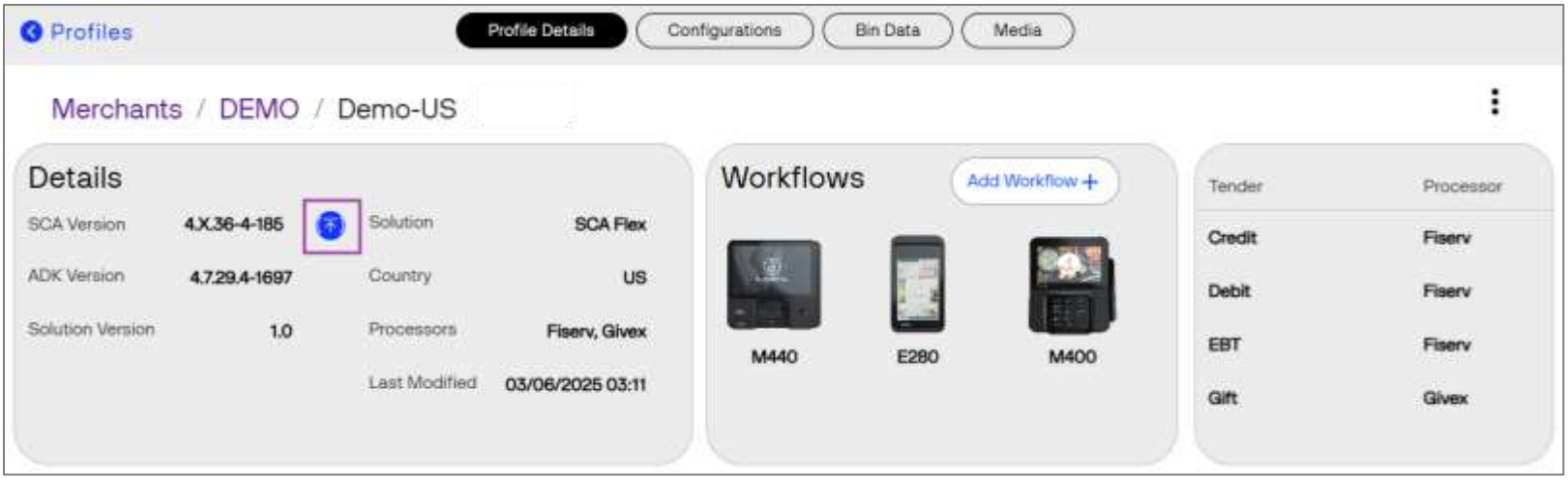


2. Select the profile and click the down arrow to expand the Profile list of solution version.



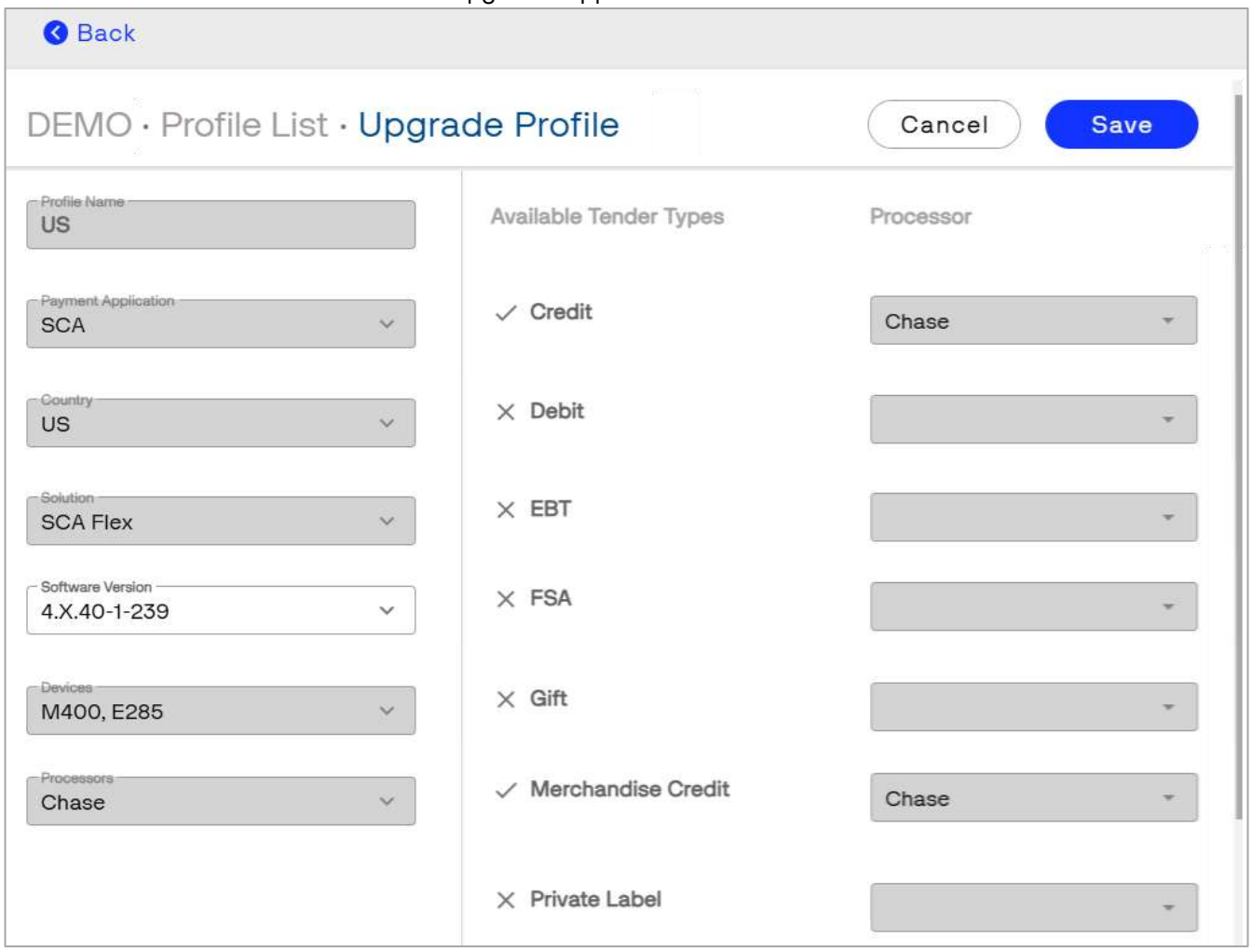
© Verifone Inc. All rights reserved.

3. Select **Upgrade** icon from the last release version.



© Verifone Inc. All rights reserved.

4. **Upgrade Profile** page is displayed, select the software version in this page and click **Save** and proceed with Build and Test Results actions to build and test the upgraded application version.

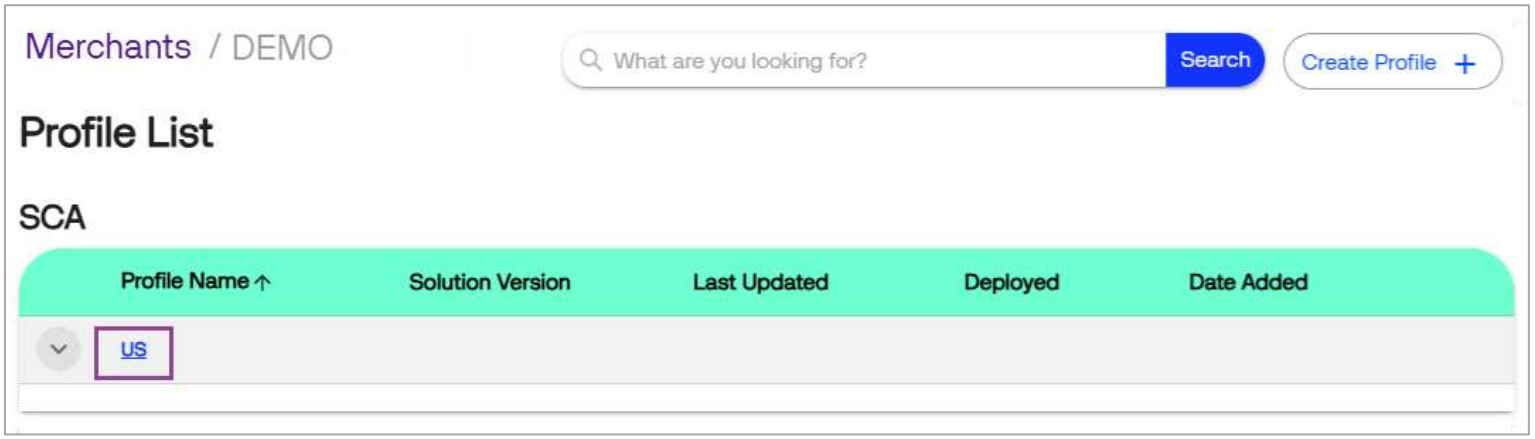


© Verifone Inc. All rights reserved.

Updating Configuration

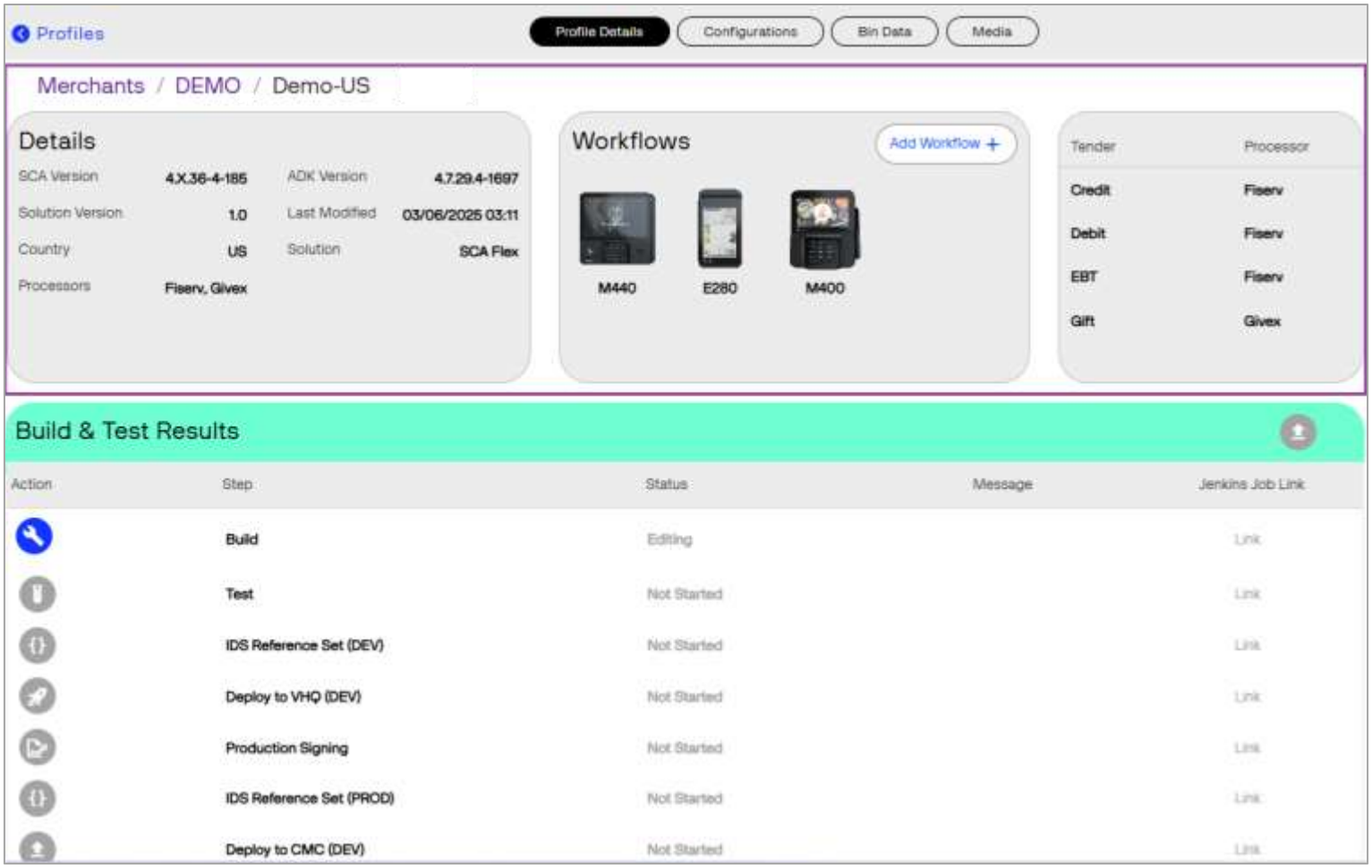
Active merchants may have new requirement to update the feature configuration, card ranges or update the media files. Following steps provide the flow of the configuration update process.

1. Select the merchant from the MSR portal home page.
2. Click the profile to access the **Profile Details** page.



© Verifone Inc. All rights reserved.

3. Follow the **Configurations**, **Bin Data** and **Media** tabs to enter the required changes with the feature configuration or adding (or changing) card ranges and upload (or replace) new media files.



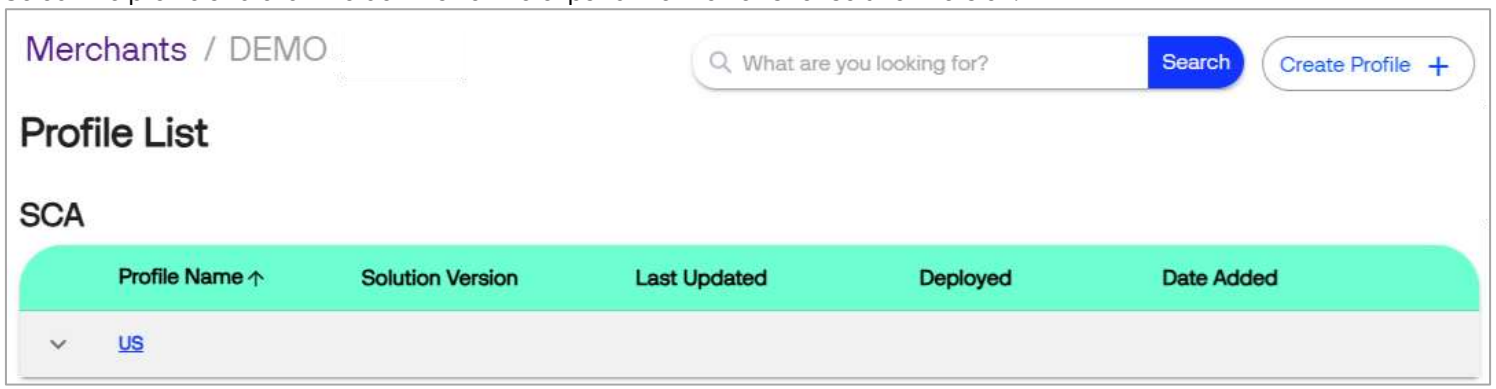
4. Upon completion and saving all required changes, you can proceed with Build And Test Results actions to build and test the upgraded application version.

© Verifone Inc. All rights reserved.

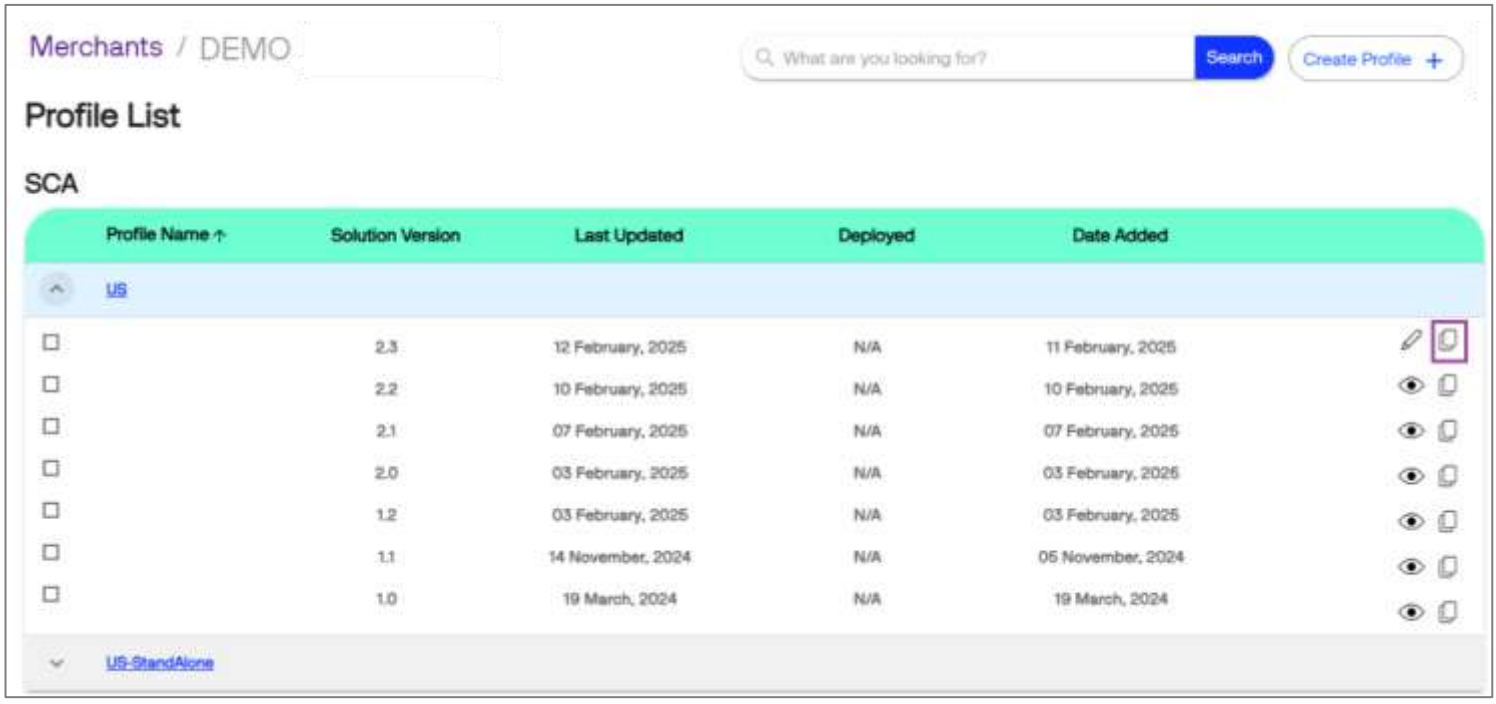
Cloning Merchant Profile

Cloning of an existing merchant profile is performed mostly when there is a Hot Fix release to deliver. Cloning also performed, when the merchant has requirement for a separate configuration with same solution and different Encryption or with different processors, which is not achievable using Configuration update process. Following steps are provided for the flow of the cloning process.

1. Select the profile and click the down arrow to expand the Profile list of solution version.



2. Select **Clone** icon from any released version.

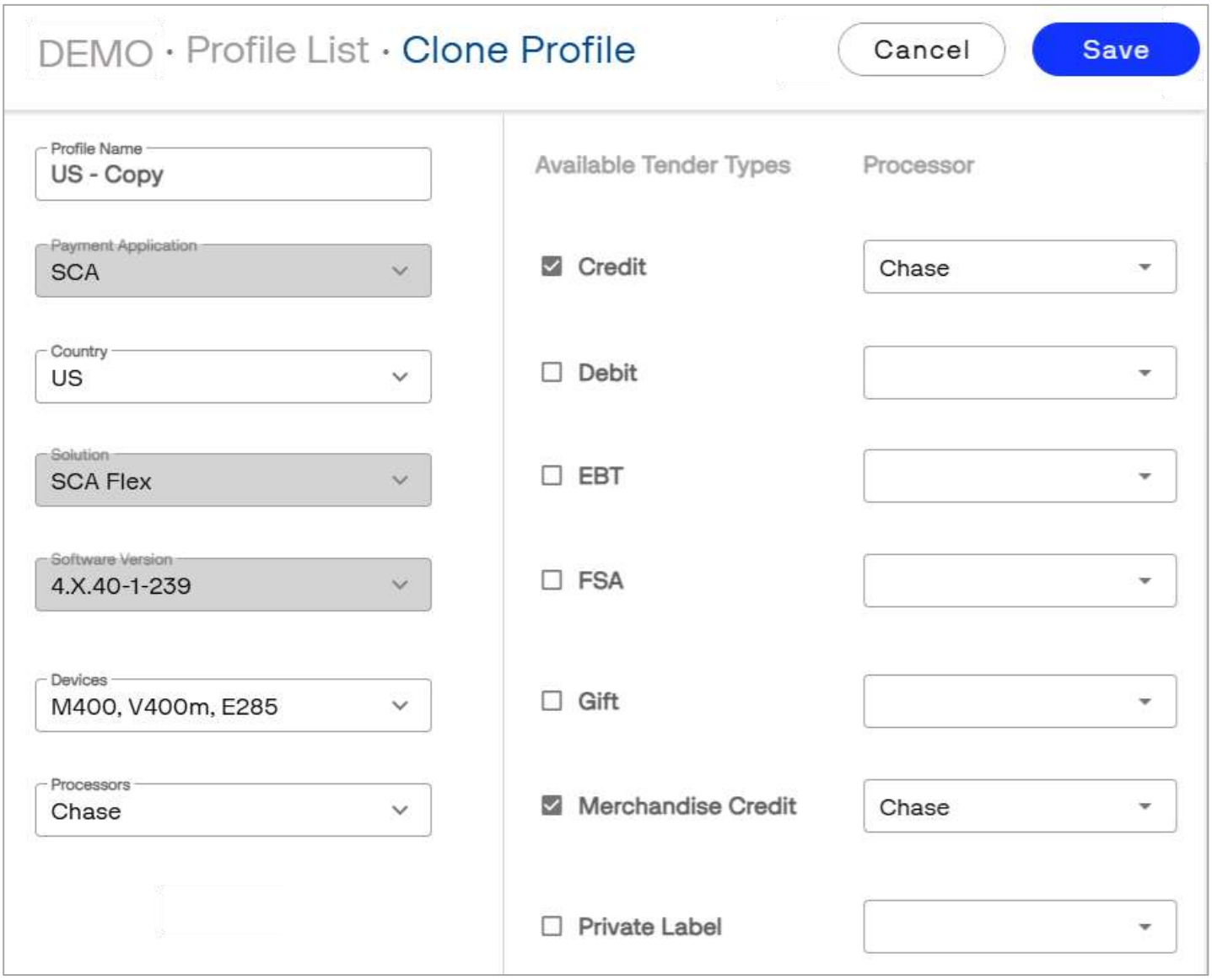


View icon is used to display the Profile details screen.

Edit icon is used to display the Profile details screen of the released version.

© Verifone Inc. All rights reserved.

3. **Clone Profile** page is displayed, and the user can change the following enabled fields. Refer to Create Profile section for the following field details.
   - Profile Name
   - Country
   - Devices
   - Processors
   - Tender types



Click **Save** and proceed with Build And Test Results actions to build and test the upgraded application version.

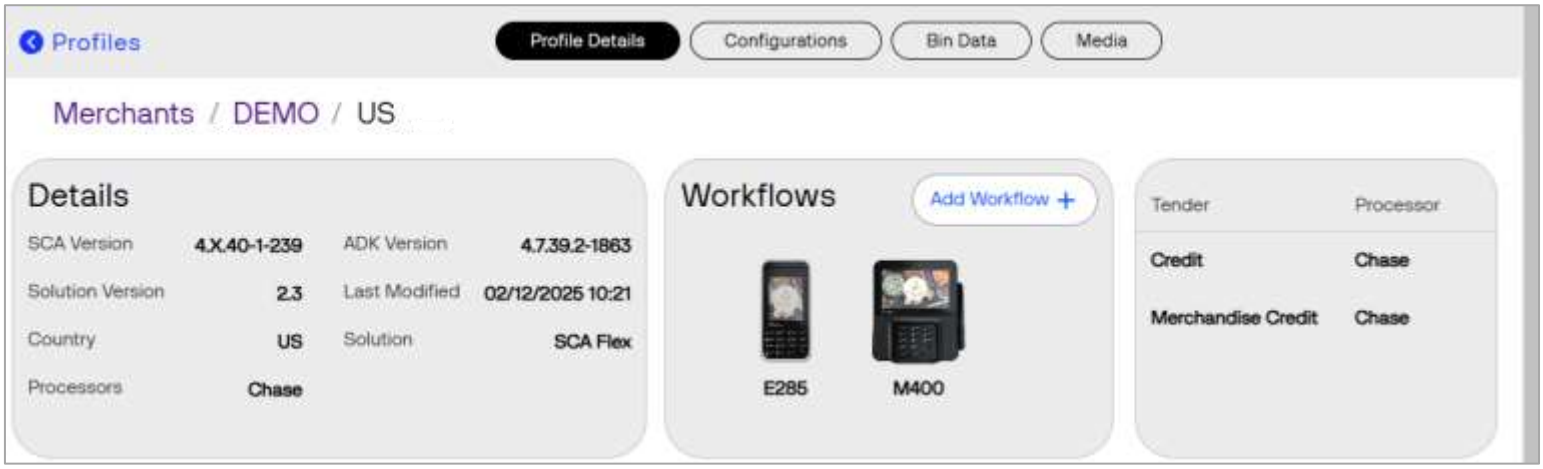
© Verifone Inc. All rights reserved.

MSR Portal Components

This section provides detailed information about the components of the MSR portal. The **Merchant Profile Configurations** section is specifically designed to capture all relevant requirement details through a structured questionnaire. This questionnaire must be completed for each merchant profile and serves as the basis for customizing the solution to meet the merchant's specific needs.

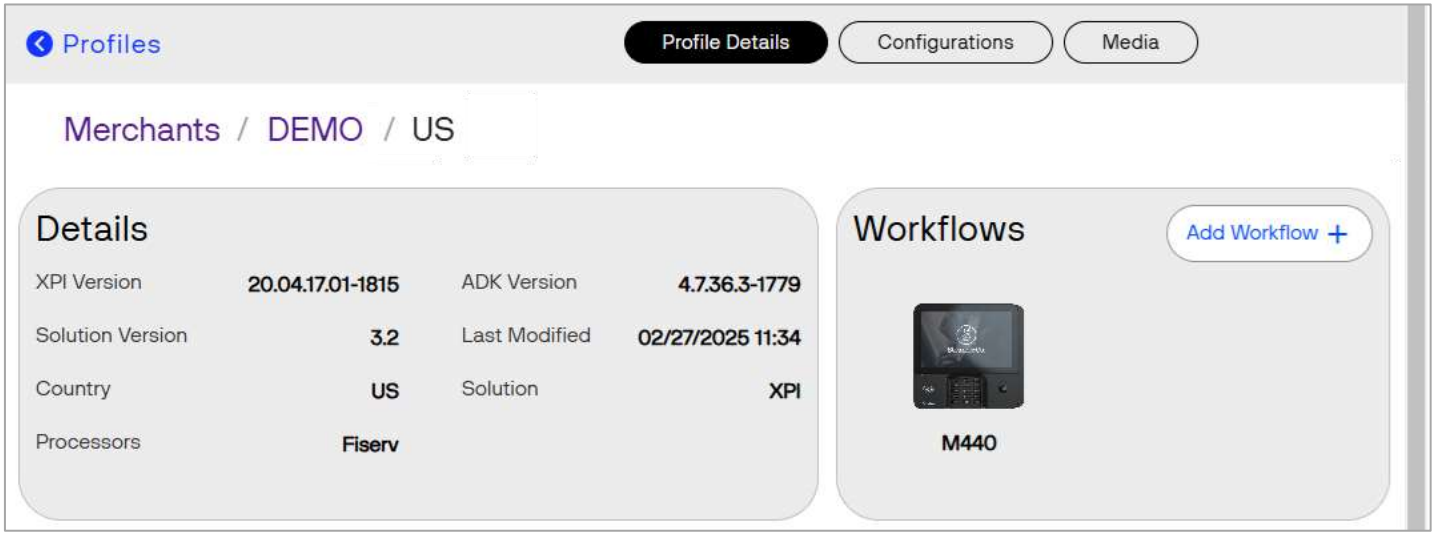
The questionnaire is organized into multiple tabs, each covering different aspects of the configuration, as outlined below:

SCA - Profile Configurations Tabs



XPI - Profile Configurations Tabs

BIN data configuration tab is not applicable for XPI application.



© Verifone Inc. All rights reserved.

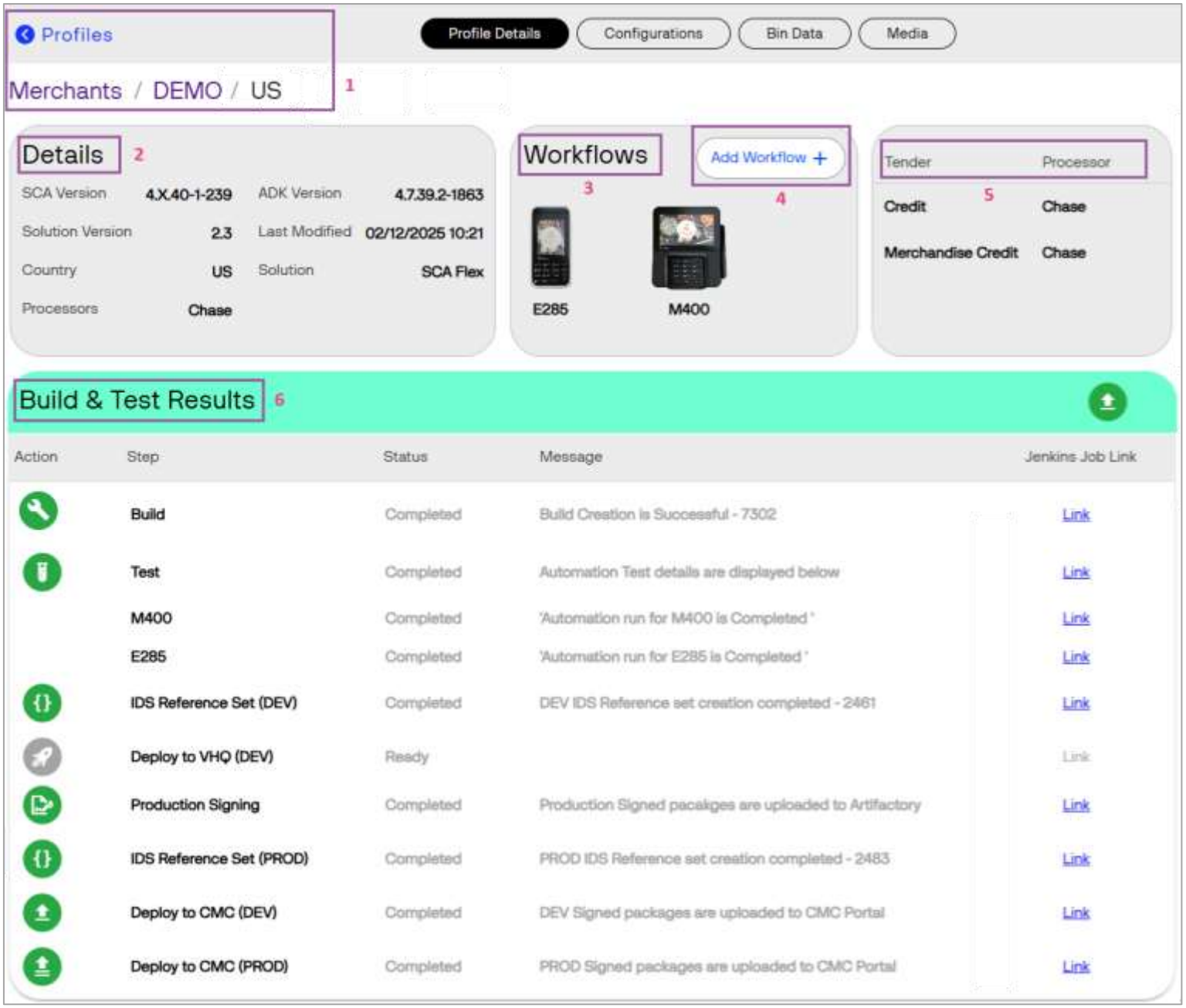
NOTE	Refer to the respective **SCA Application** and **XPI Application** Specification Guides for more details on the feature, APIs and configurable parameter values.

Profile Details

The **Profile Details** tab provides an overview of the merchant profile, including application and solution versions, selected processor and tender details, configured devices (Workflows), and build status.

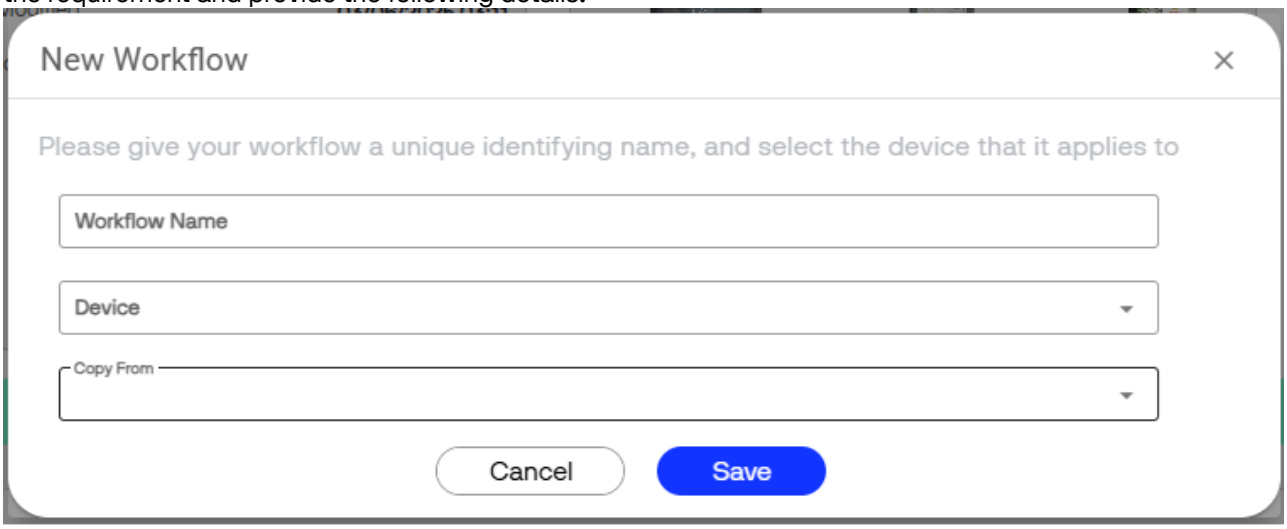
It also displays the status of the building process. Create Profile section outlines the detailed steps to create Profile.

© Verifone Inc. All rights reserved.



© Verifone Inc. All rights reserved.

Following table describes the **Profile Details** screen:

1	**- Profiles:** Displays the navigation banner from Merchant home page to profile list page.
2	**- Details:** Displays the consolidated details provided during profile creation, like the application version, solution type, selected processors, region of the Merchant estate and the ADK version which is based on the selected application version.
3	**- Workflows:** Workflows are a different configuration on the devices (selected during profile creation) within a single solution. For example, if a merchant requires to maintain the configuration differently for a Front counter and a drive-thru, then they can create separate workflows and configure the settings those applied for the respective workflows within the same solution. Therefore, workflow provides the option to have different configuration or limits or settings for certain hierarchy of devices for that merchant estate.
4	**- Add Workflows +:** This is an option to add new workflow. Click the **+** icon to add the new workflow, based on the requirement and provide the following details**:**  • **Workflow Name** - Enter a name as identifier for the new workflow different configuration, if required to maintain, for example “drivethru”. • **Device** - Select the required device from the dropdown list to add. • **Copy From** - The dropdown option for **Copy From** field provides the list of devices which are selected during the profile creation. Select the device from the list to copy the complete configuration of that device to the new device. Upon entering all details, click **Save** to add this in the Workflow lists.

© Verifone Inc. All rights reserved.

NOTE	• It is **recommended** to set up the configurations for the newly added device that is being selected, before opting for **Add Workflows +** option, to avoid redefining the similar configuration settings. • To configure the newly added workflow with different settings or configurations, refer to Workflow Customization section in **Configurations** ab for providing the details on customization.

5	**- Tender and Processor:** Displays the consolidated tender list and corresponding processors selected during profile creation. This section is displayed only for SCA application.
6	**- Build & Test Results:** This section is the detailed support for the automation process for building and deploying the build. Once all the required configuration details are set for the profile, build and test results section provides the action icons to perform build generation for the configured application, testing the build and deployment. Refer to Build And Test Results section for the detailed information on each actions icons.

© Verifone Inc. All rights reserved.

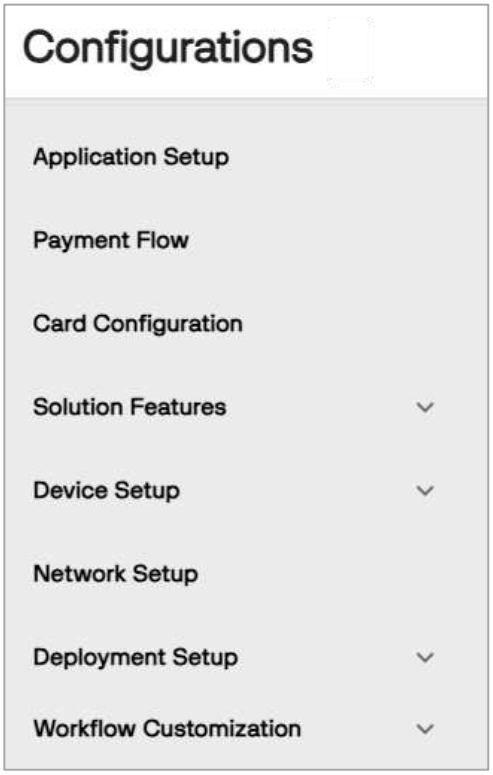
Configurations

The Configurations tab features an interactive questionnaire covering all configurable aspects of the application. It helps gather data to customize the solution and is organized into sections based on specific features.

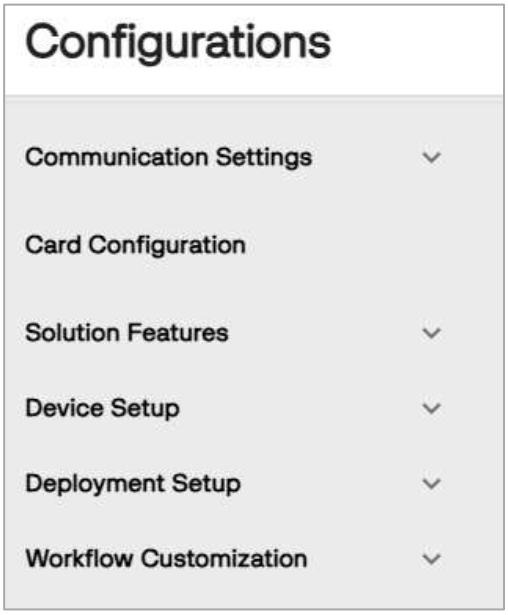
NOTE	**Questionnaires** from **Configurations** tab is provided with default values predominantly. The user can modify the values according to their customization requirement.

The available feature categories and corresponding questionnaires may vary depending on the selected application solutions. The following sections provide an overview of the features for both SCA and XPI applications.

SCA



XPI

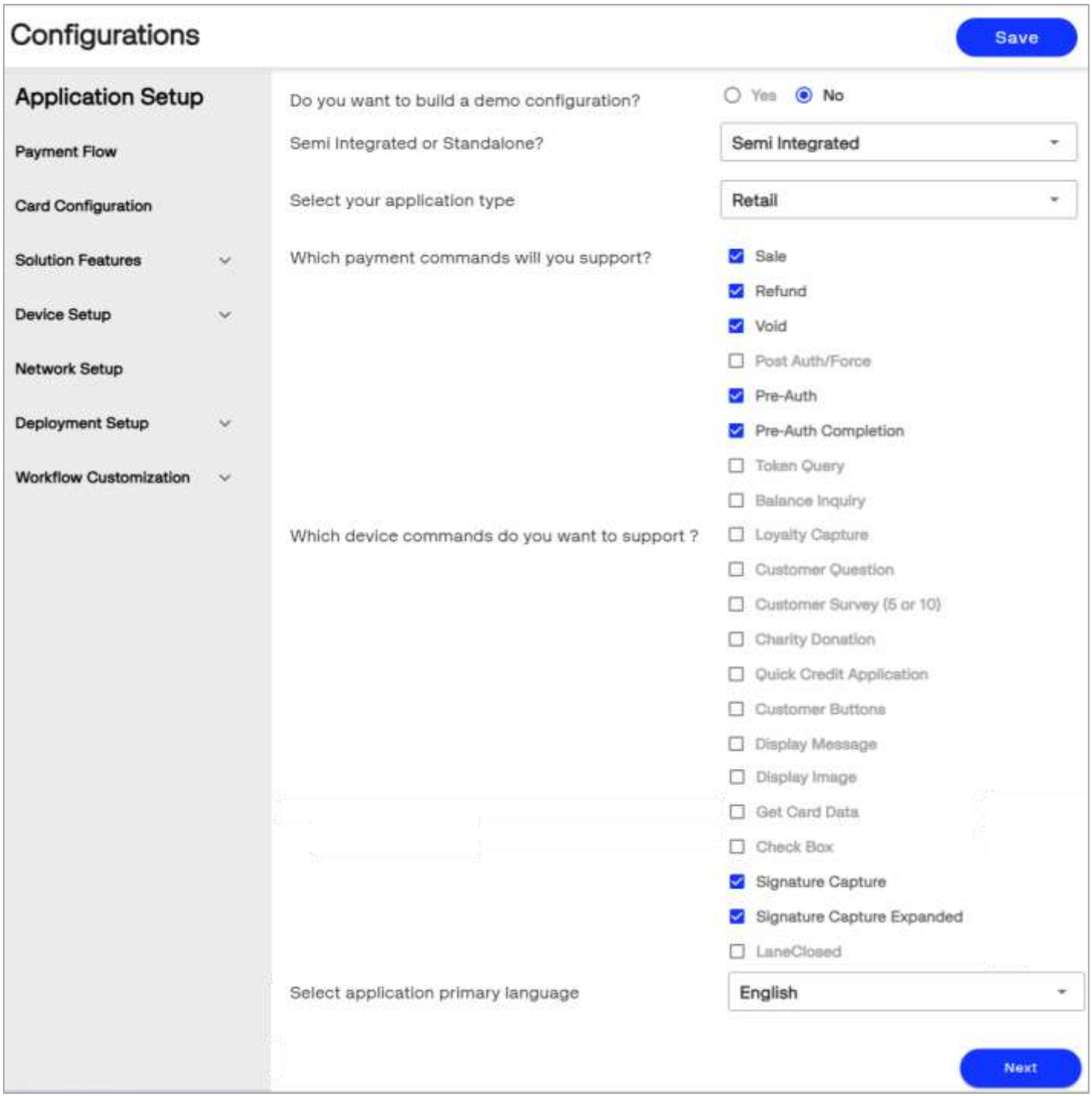


© Verifone Inc. All rights reserved.

SCA

Application Setup

This section captures the details on setting up the application and supported commands. Provide the required details, click **Save** and **Next** button to proceed for the next questionnaire.



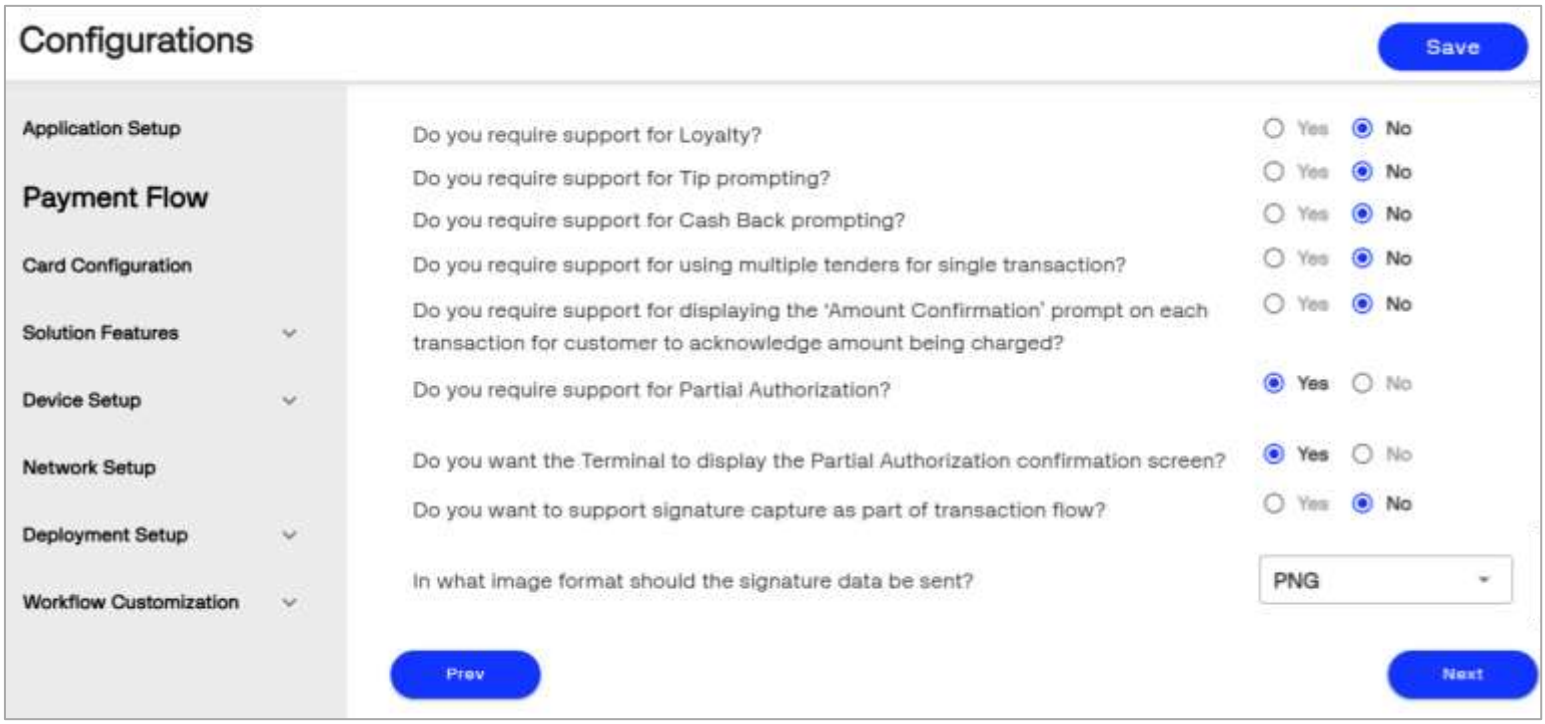
© Verifone Inc. All rights reserved.

Refer to Application Setup table in **Configuration Questionnaire** section for more description on application setup related field entries.

Payment Flow

This section allows you to configure the payment transaction flow of the application. Questionnaire on Payment flows are all radio button with default options are selected. Change the options according to the requirement and click **Save** and **Next** button to proceed for the next set of questionnaires.

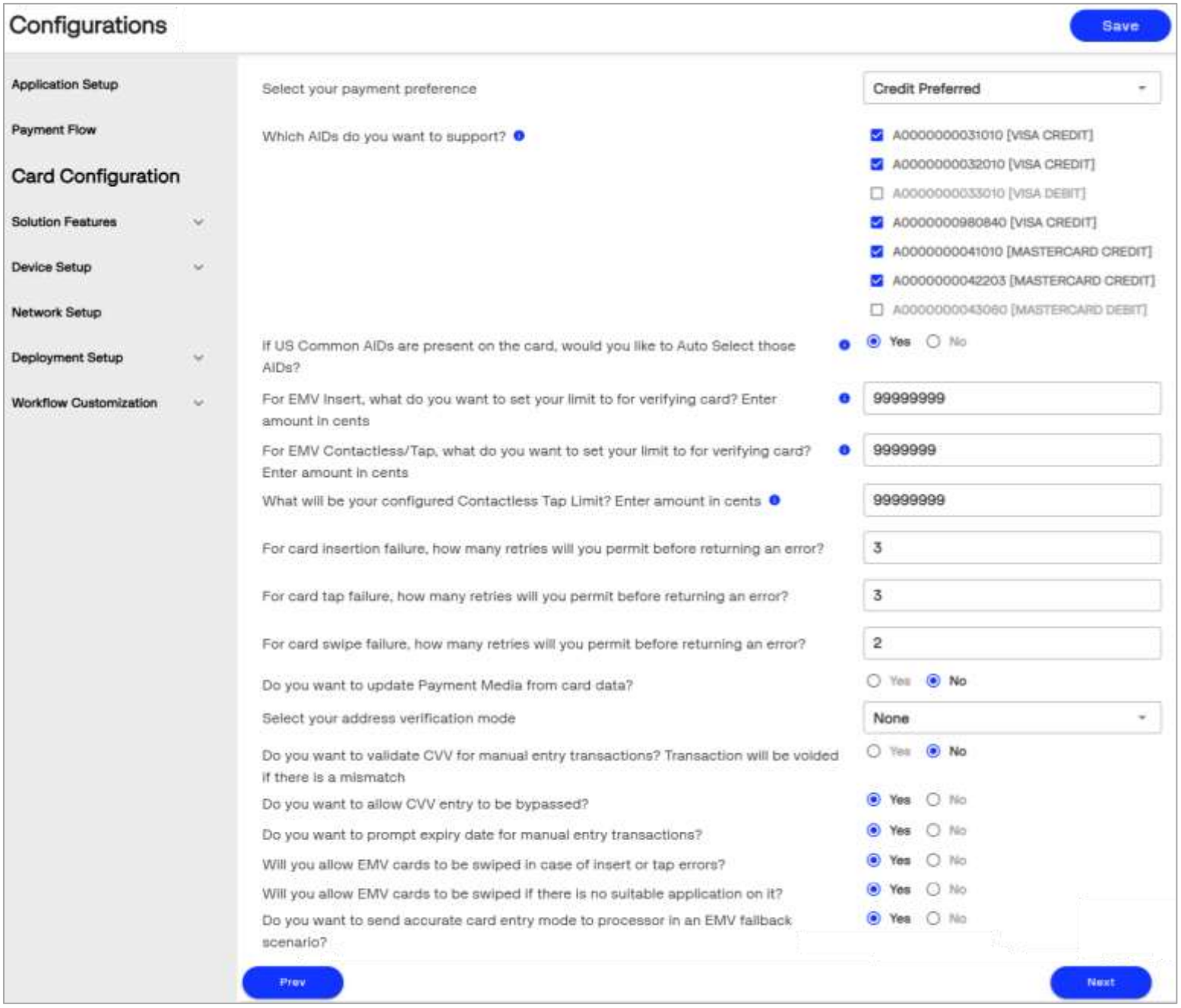
Refer to Payment Flow table in **Configuration Questionnaire** section for more description on payment flow related field entries.



© Verifone Inc. All rights reserved.

Card Configuration

This section allows you to configure the required EMV AIDs, its limits and also settings required for the card processing. Provide the required details, click **Save** and **Next** button to proceed for the next set of questionnaires.
Refer to Card Configuration table in Configuration Questionnaire section for more description on card configuration related field entries.



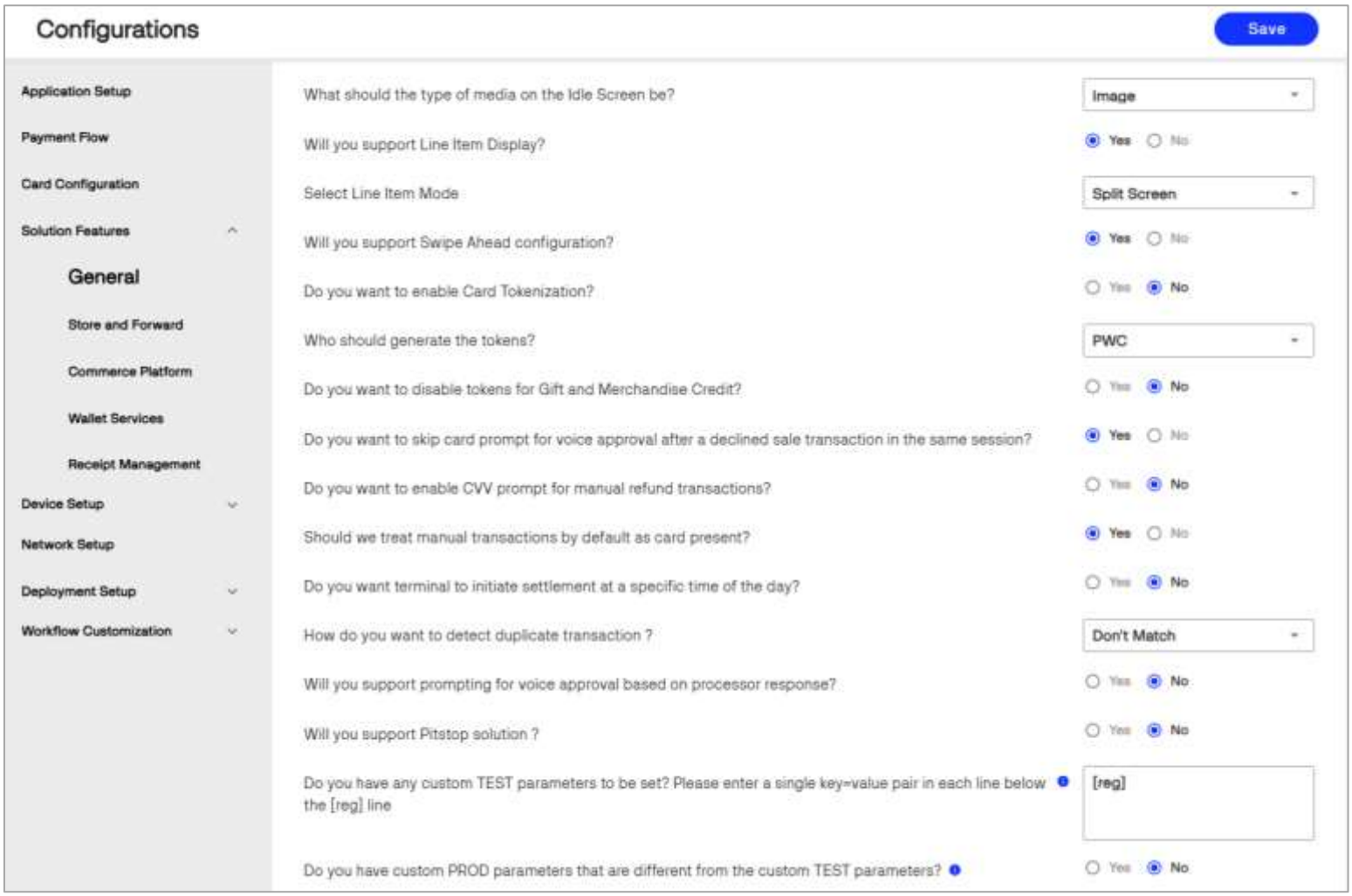
© Verifone Inc. All rights reserved.

Solutions Features

This section contains the multiple sub section which allows to configure the various functionalities, supported by the payment application. Provide the required details, click **Save** and **Next** button to proceed for the next set of questionnaires.

General

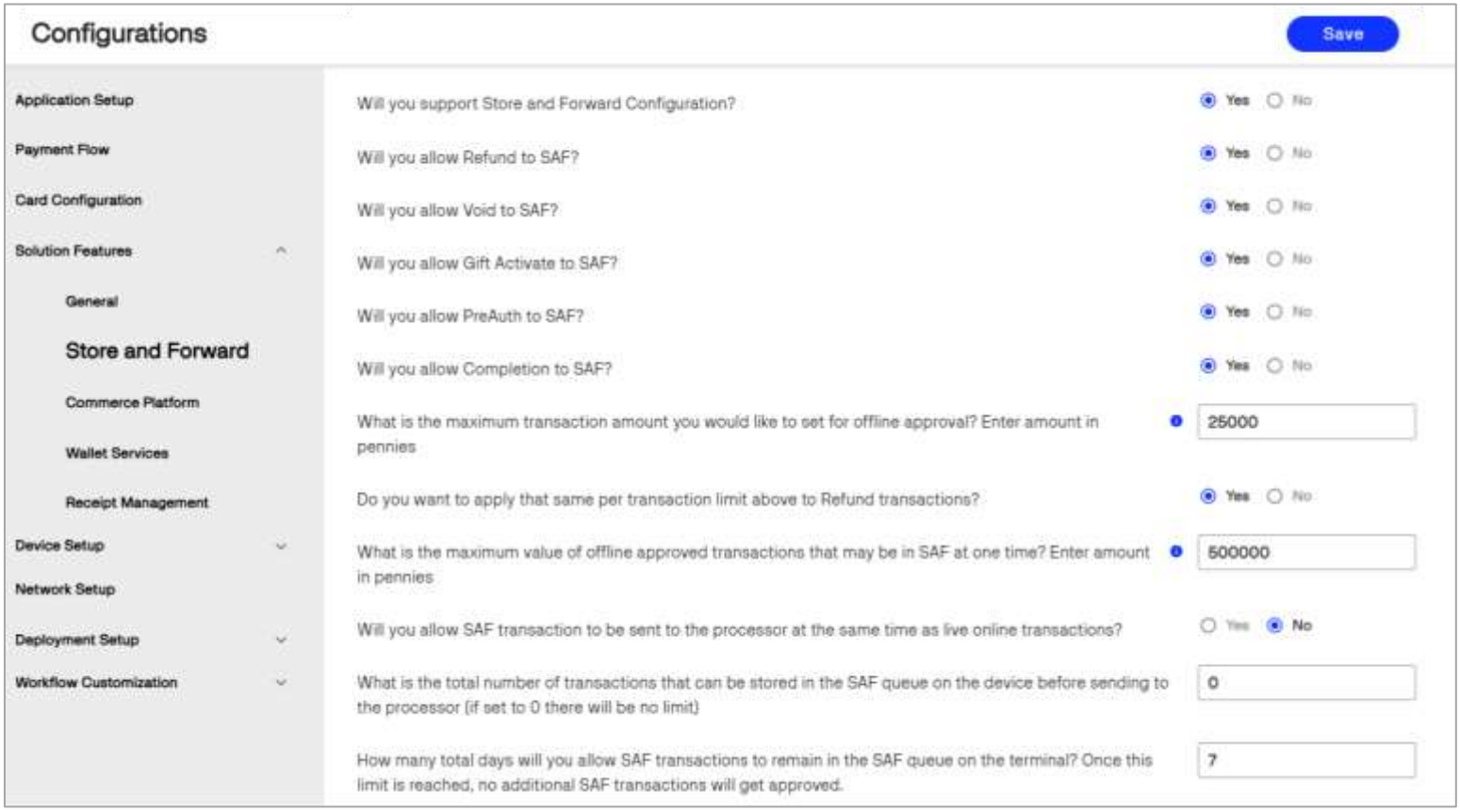
This section outlines the core functionalities of the SCA application, which can be configured to meet specific requirements. If the customer needs to configure any other functionality, which is not mentioned as a part of the questionnaire, then enter the required parameter(s) with single key value for the below question:
"Do you have any custom TEST parameters to be set? Please enter a single key=value pair in each line below the [reg] line"
Refer to **General** table in Solution Features section in Configuration Questionnaire for more description on the general settings related field entries.



© Verifone Inc. All rights reserved.

Store and Forward

This section captures the settings, those are required to enable the **Store and Forward** feature of the payment application. Refer to **Store and Forward** table in Solution Features section in Configuration Questionnaire for more description on the store and forward feature related field entries.

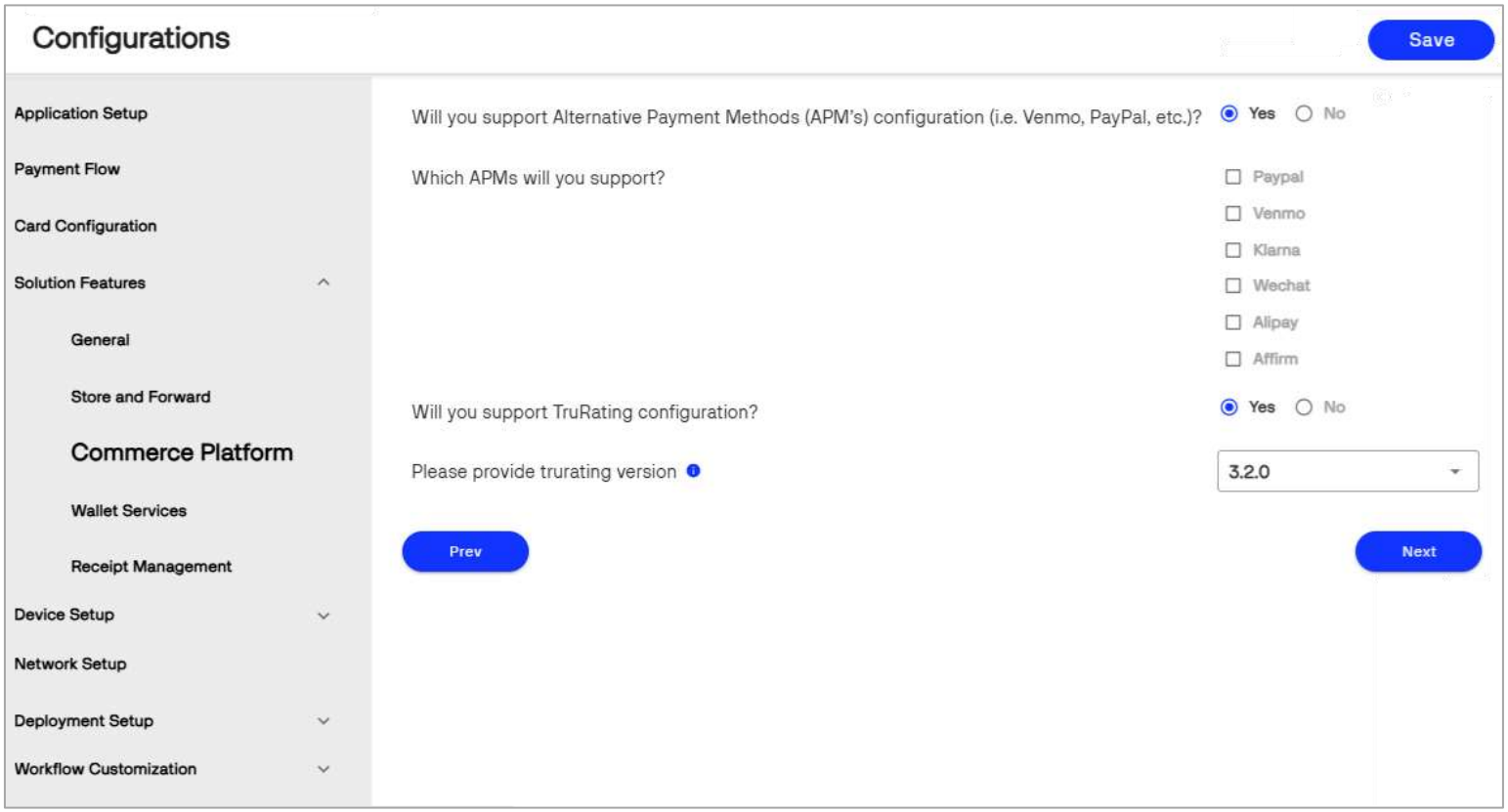


© Verifone Inc. All rights reserved.

Commerce Platform

This section allows you to select any Alternate Payment Methods (APMs).

Refer to **Commerce platform** table in Solution Features section in Configuration Questionnaire for more description on the commerce platform related field entries.

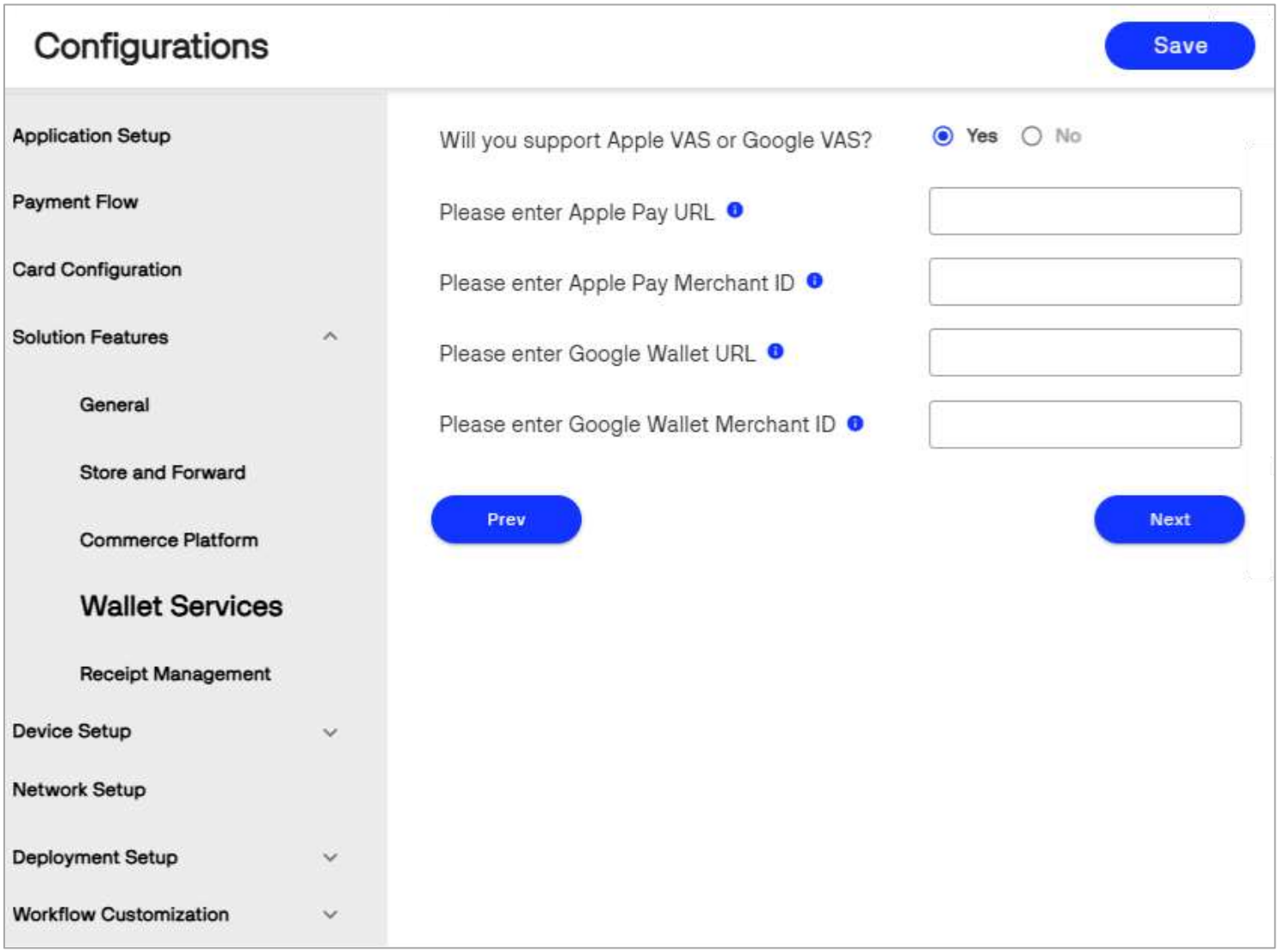


© Verifone Inc. All rights reserved.

Wallet Services

This section allows you to configure the value-added services for Apple and Google.

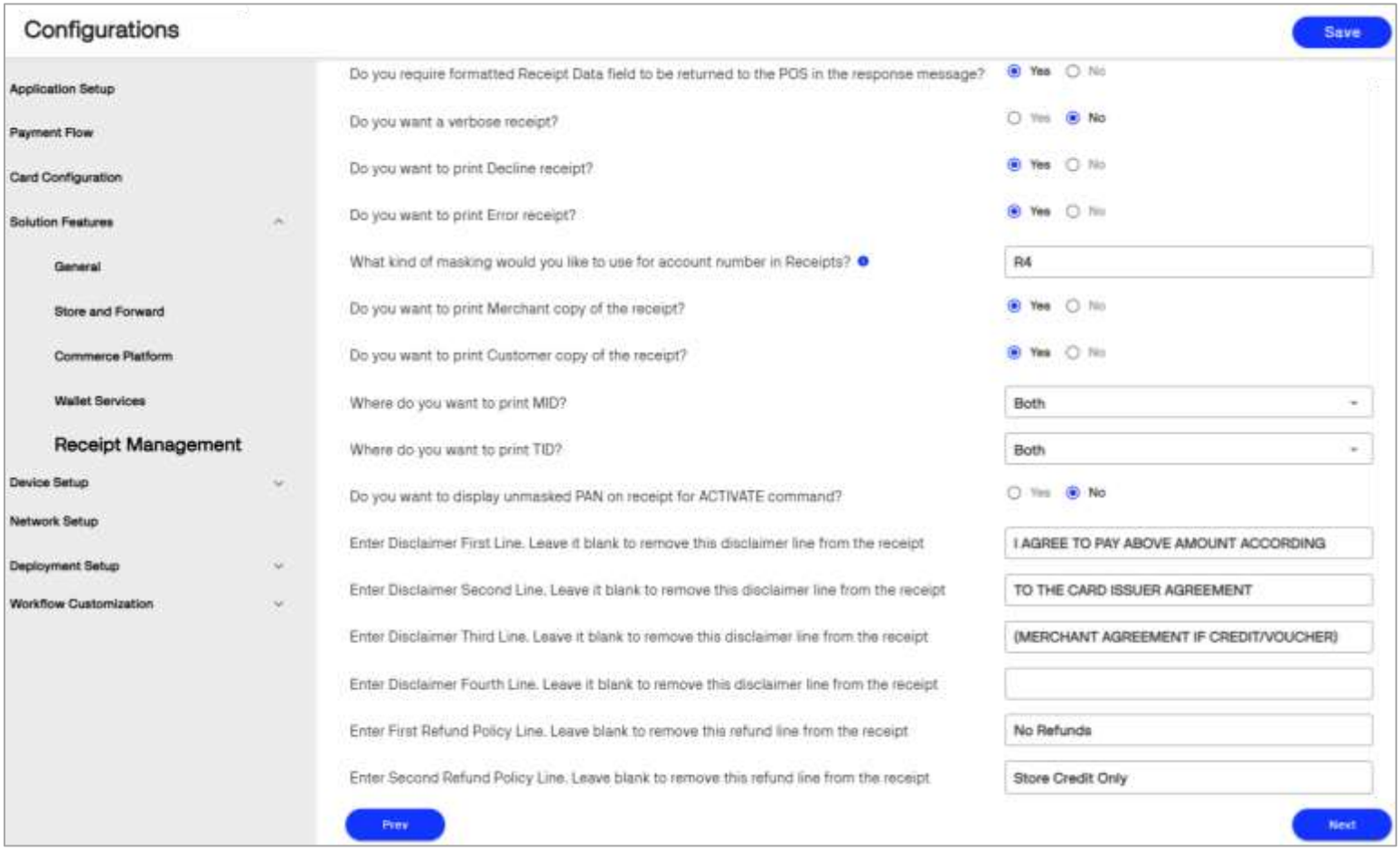
Refer to **Wallet Services** table in Solution Features section in Configuration Questionnaire for more description on the wallet services related field entries.



© Verifone Inc. All rights reserved.

Receipt Management

This section captures the details, which requires to configure for the receipt data and to print on the receipt. Refer to **Receipt Management** table in Solution Features section in Configuration Questionnaire for more description on the receipt setting and printing feature related field entries.



© Verifone Inc. All rights reserved.

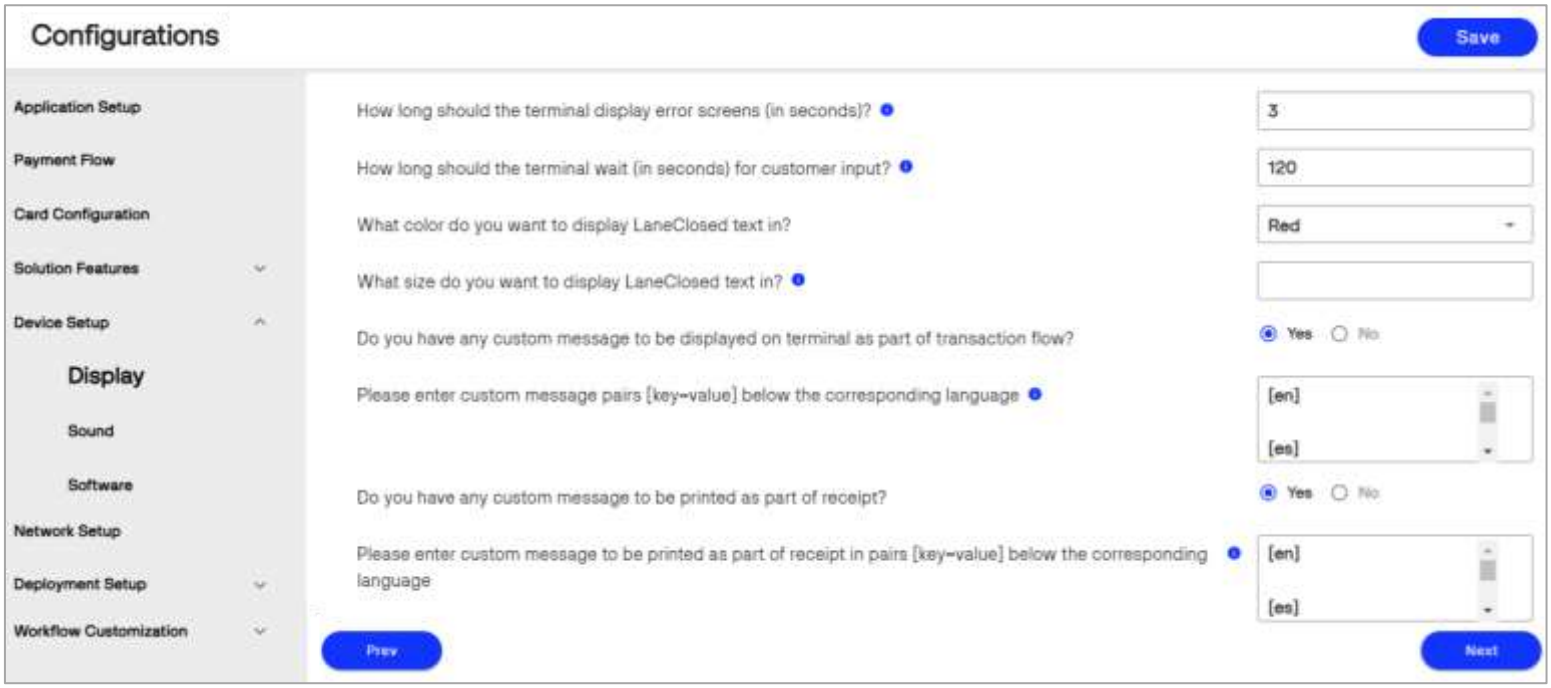
Device Setup

Device setup captures the settings with respect to sound, display and software. Answer all the required questions for the setup configuration, click **Save** and **Next** button to proceed for the next questionnaire.

Display

This section captures the settings required for the device display during the transaction flow. This section also helps you to configure the prompts and custom messages to be displayed on the device as part of the transaction.

Refer to **Display** table in Device Setup section in Configuration Questionnaire for more description on display related field entries.

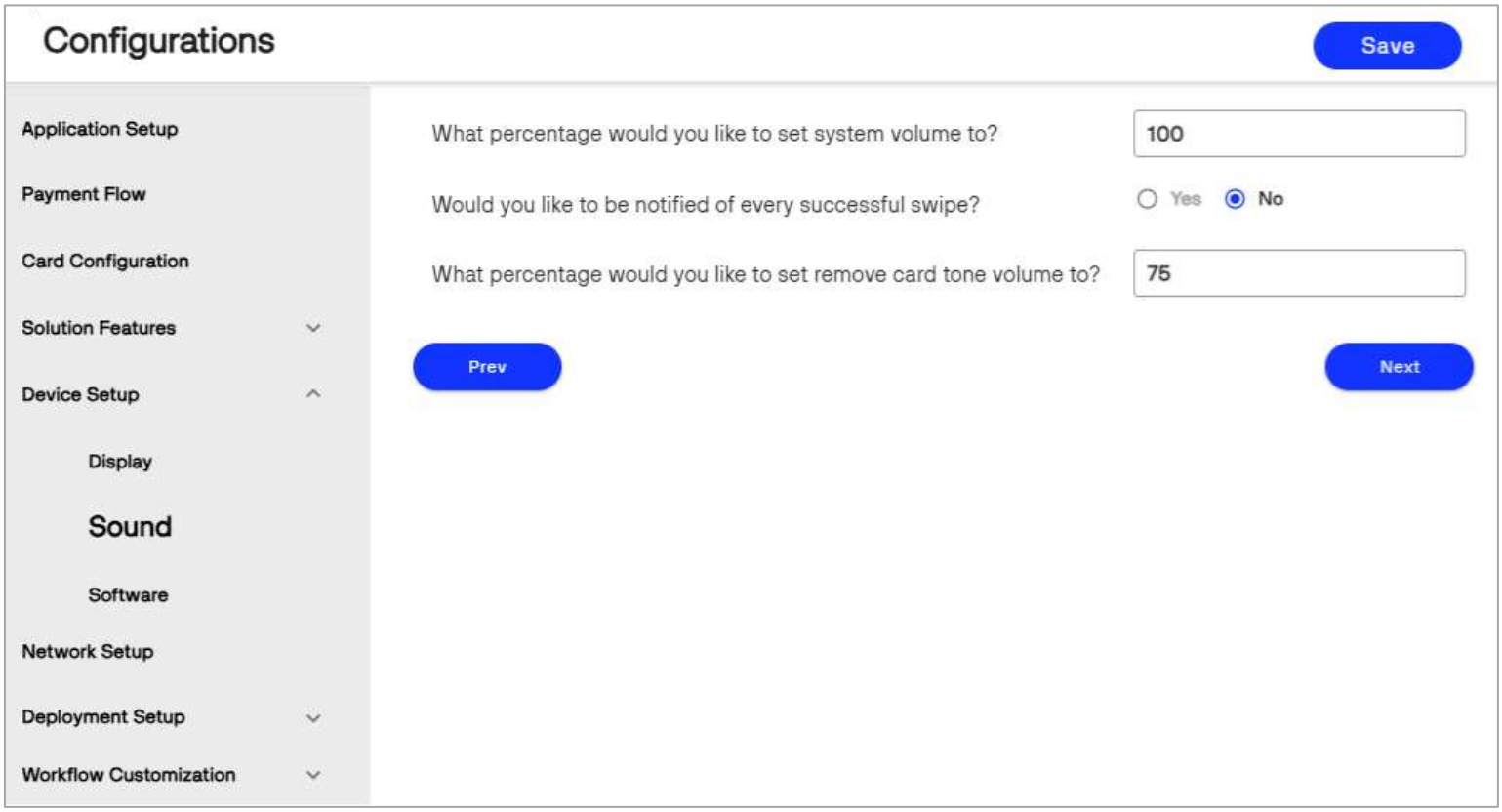


© Verifone Inc. All rights reserved.

Sound

This section captures the details to set the volume percentage for the required notifications as part of the transaction flow.

Refer to **Sound** table in Device Setup section in Configuration Questionnaire for more description on device sound related field entries.

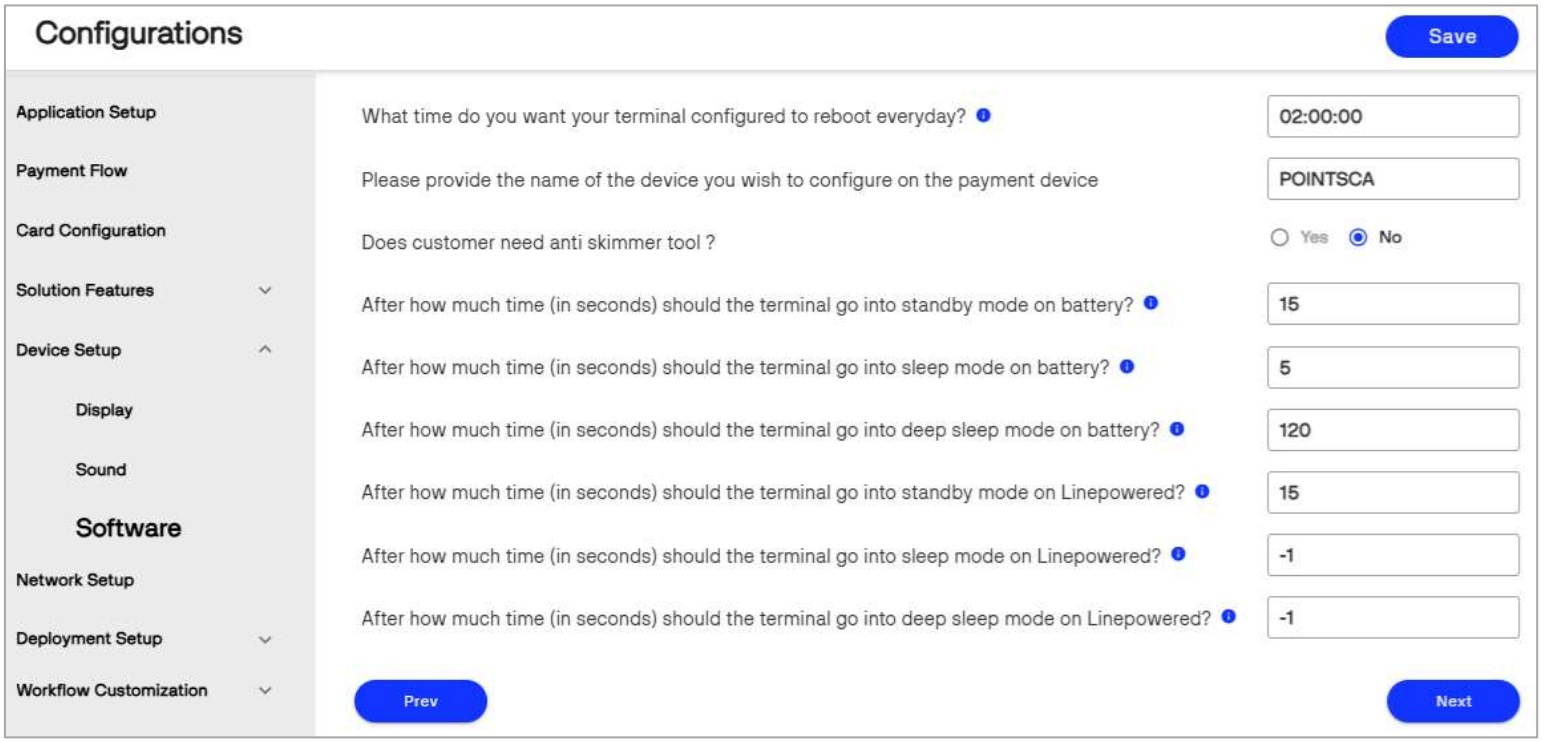


© Verifone Inc. All rights reserved.

Software

This section captures the details on the software configurations, add on tools and the power management configuration with respect to Mobile (Battery) and line powered devices as a support for the transaction.

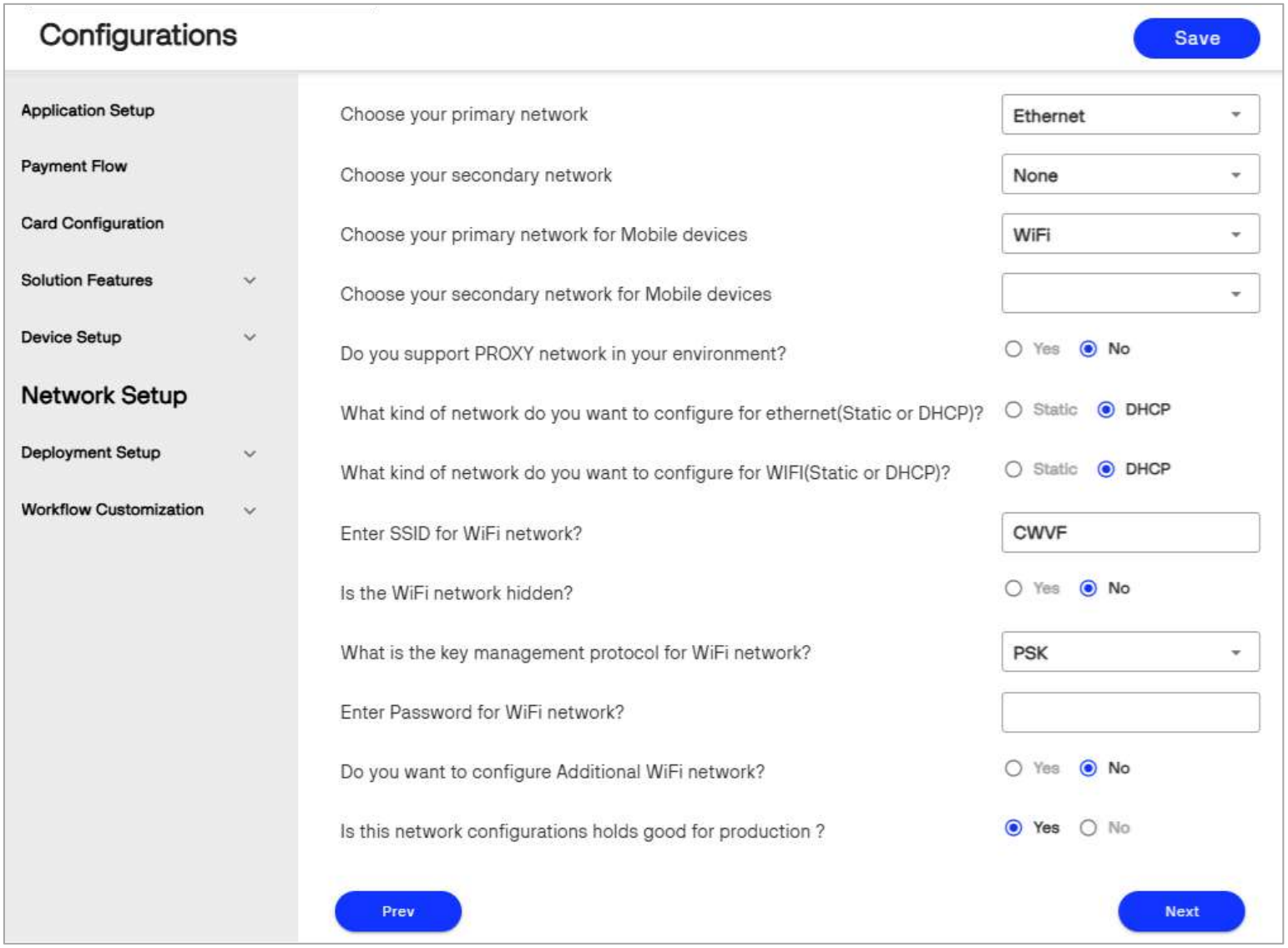
Refer to **Software** table in Device Setup section in Configuration Questionnaire for more description on software related field entries.



© Verifone Inc. All rights reserved.

Network Setup

This section allows you to configure the network that is required for the device in the estate. Provide the required details, click **Save** and **Next** button to proceed for the next set of questionnaires.
Refer to Network Setup table in Configuration Questionnaire section for more description on network setup related field entries.



Following **Question** fields from **Network Setup** are **MANDATORY** to fill, to avoid any error message during Build generation:

- Choose your primary network
- Is this network configurations holds good for production?

© Verifone Inc. All rights reserved.

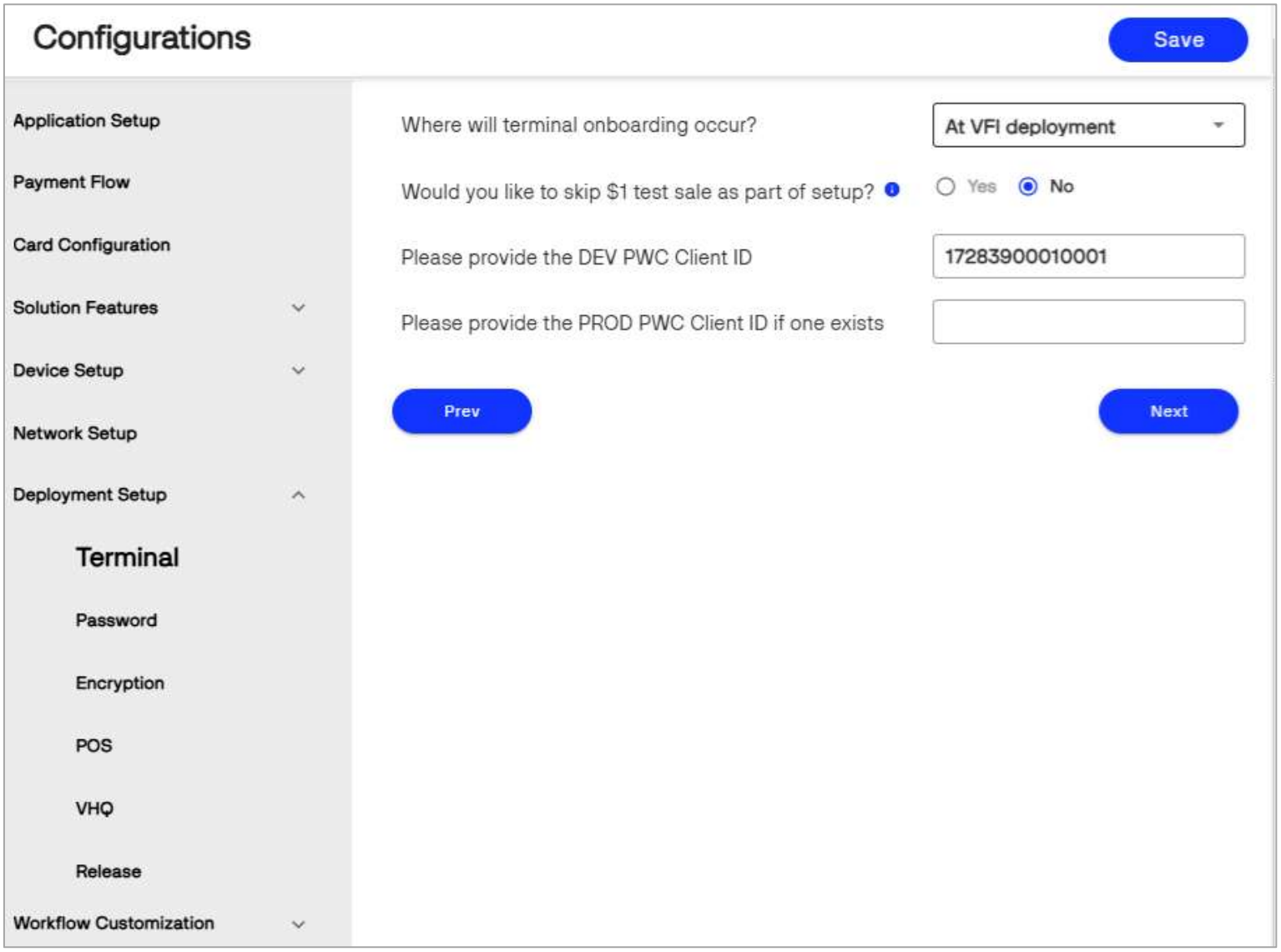
Deployment Setup

This section captures the details based on **onboarding** details, system **Password**, **Encryption** specifications, communication between **POS** and application, opting for **VHQ** services and **Release** packages. Provide the required details, click **Save** and **Next** button to proceed for the next set of questionnaires.

Terminal

This section captures the details on device onboarding.

Refer to **Terminal** table in Deployment Setup section in Configuration Questionnaire for more description on device setup related field entries.



© Verifone Inc. All rights reserved.

Following **Question** fields from **Deployment Setup** are **MANDATORY** to fill, to avoid any error message during Build generation:

Terminal

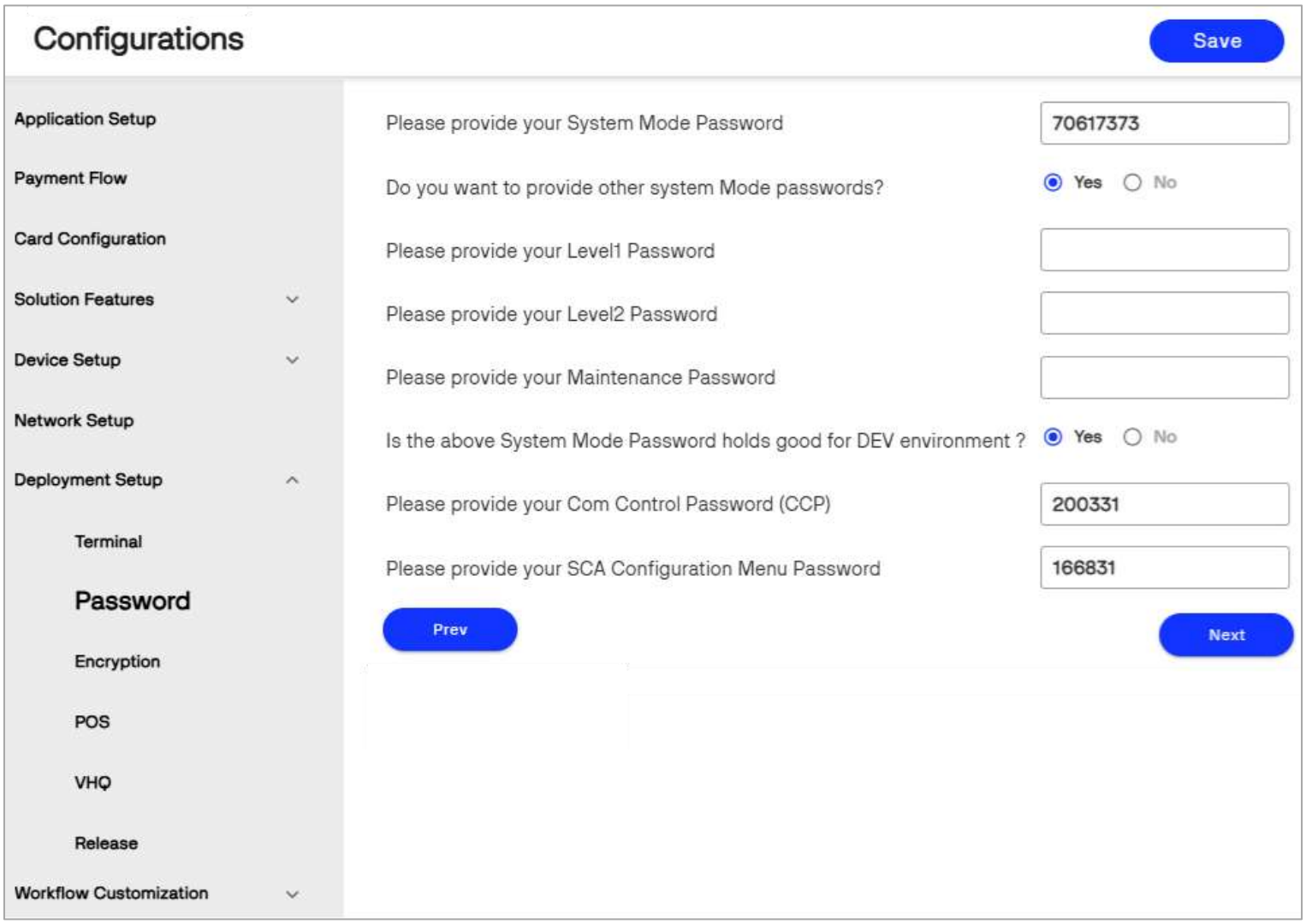
- How will MID/TID be set in the terminal?
- Please provide DEV TA Token Type
- Please provide PROD TA Token Type
- Please provide GroupID
- Please provide Merchant category code.

NOTE	Above requirements on **Terminal** section are applicable only for the **SCA Direct Fiserv** and **Worldpay** solutions.

© Verifone Inc. All rights reserved.

Password

Password section captures the various passwords that the merchant opts to configure on the device.
Refer to **Password** table in Deployment Setup section in Configuration Questionnaire for more description on setting different levels of password related field entries.

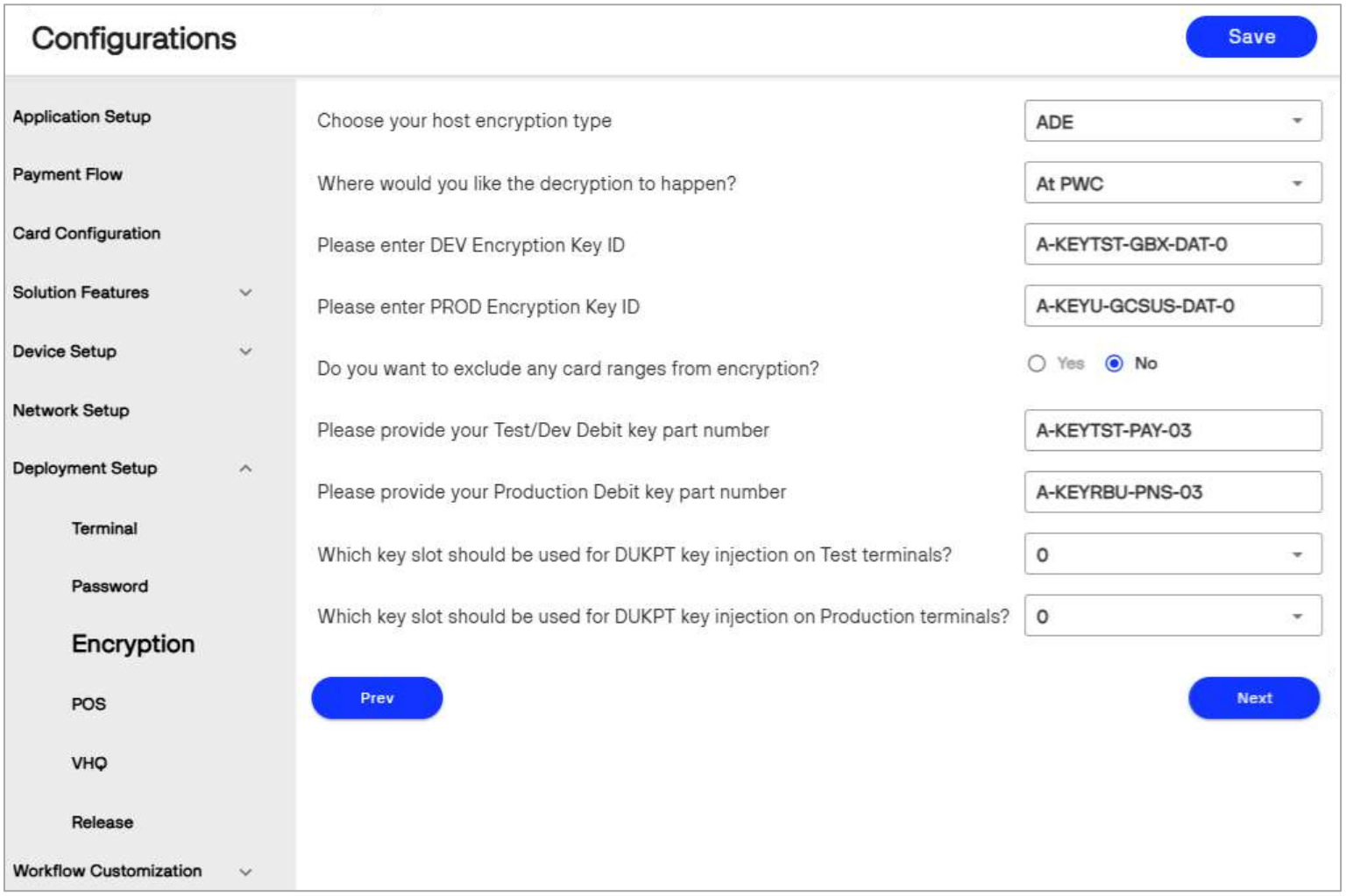


© Verifone Inc. All rights reserved.

Encryption

The encryption section captures the configuration details, which is required to be set up the security.

Refer to **Encryption** table in Deployment Setup section in Configuration Questionnaire for more description on encryption related field entries.



Following **Question** fields from **Deployment Setup** are **MANDATORY** to fill, to avoid any error message during Build generation:

Encryption

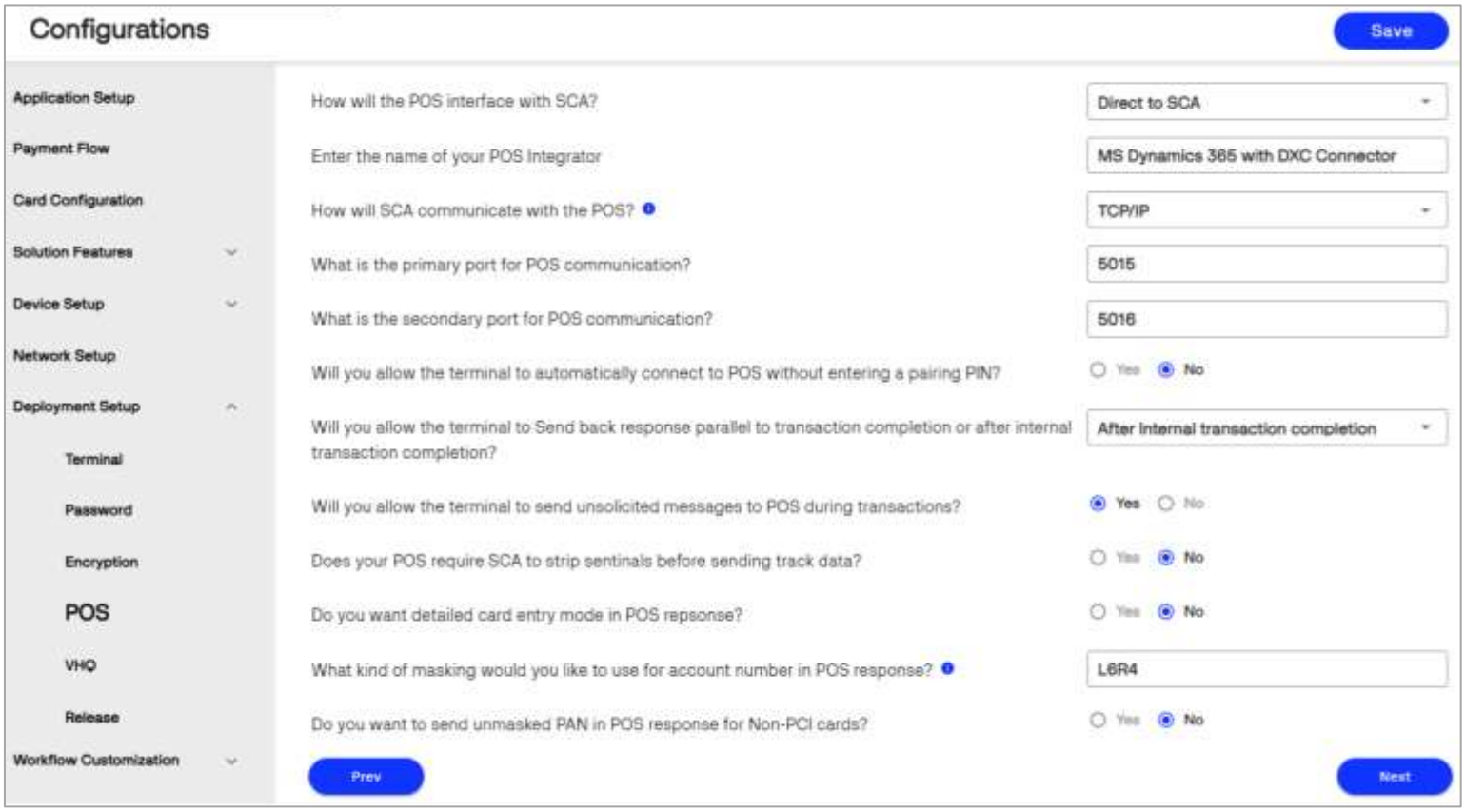
- Choose your host encryption type

© Verifone Inc. All rights reserved.

POS

This section captures the configuration, which is required with respect to the communication between the pause and the device.

Refer to **POS** table in Deployment Setup section in Configuration Questionnaire for more description on POS related field entries.

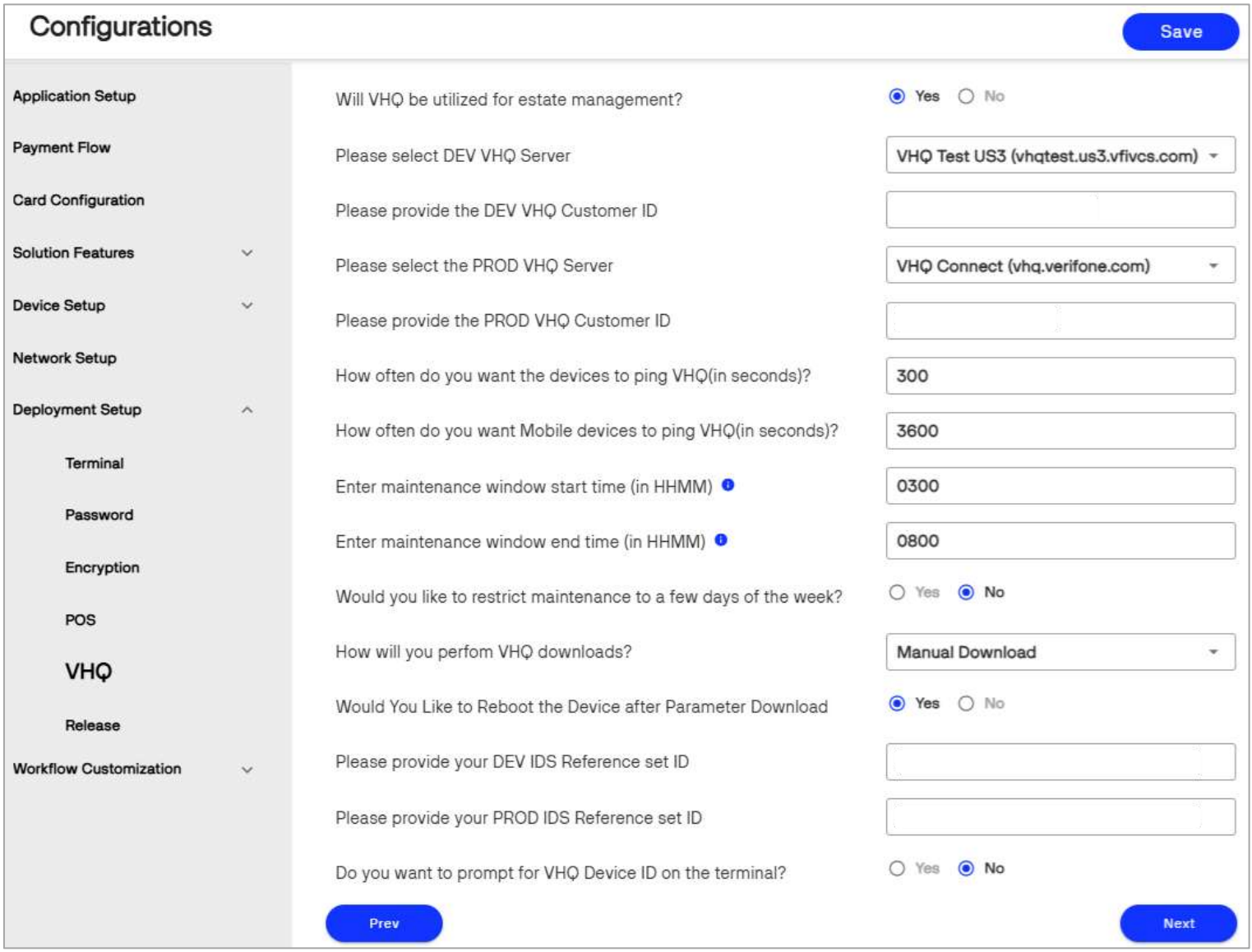


© Verifone Inc. All rights reserved.

VHQ

This section captures the settings that are required for the VHQ communication.

Refer to **VHQ** table in Deployment Setup section in Configuration Questionnaire for more description on VHQ related field entries.



Following **Question** fields from **Deployment Setup** are **MANDATORY** to fill, to avoid any error message during Build generation:

VHQ

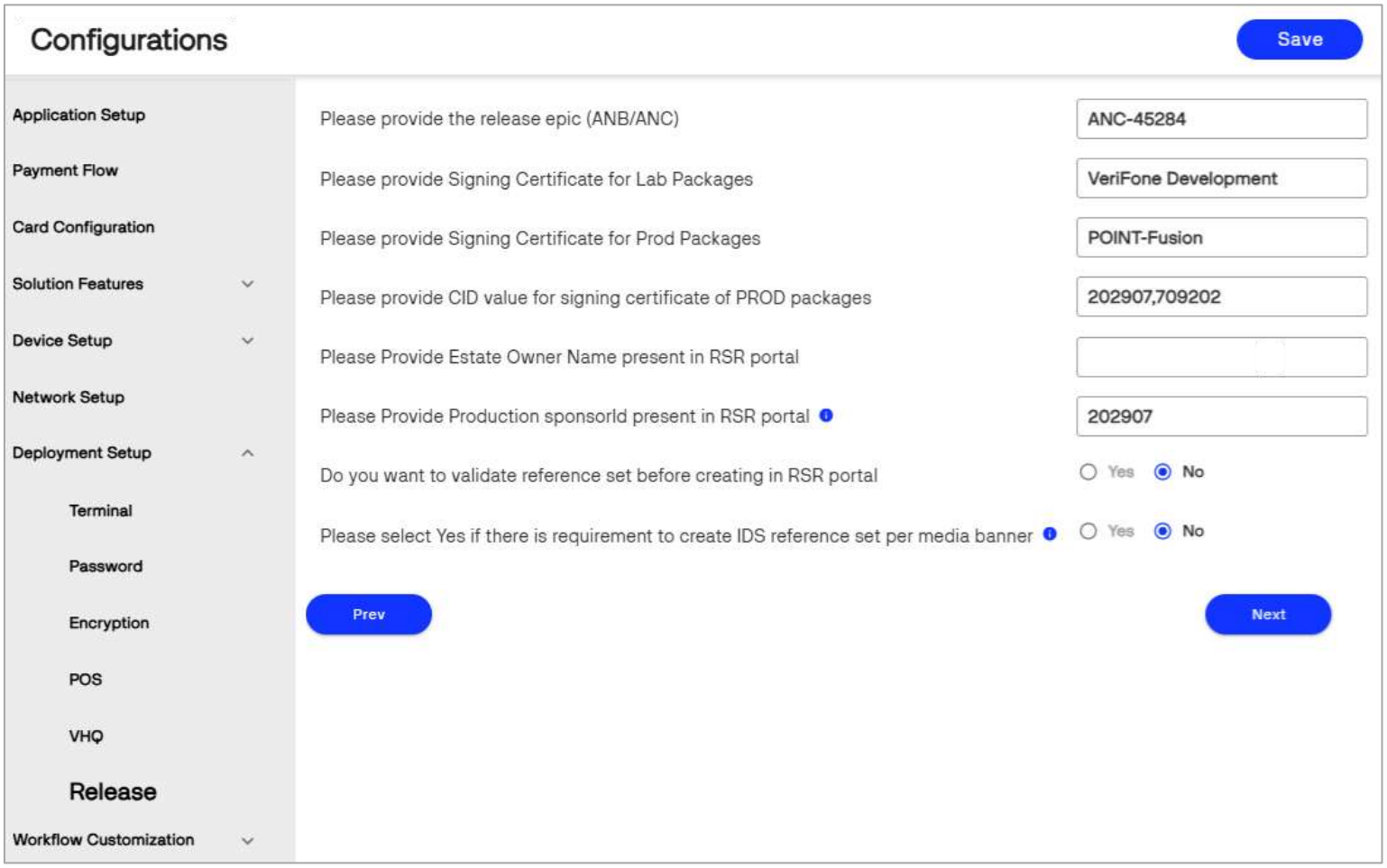
- Please select DEV VHQ Server
- Please select the PROD VHQ Server
- How will you perform VHQ downloads?

© Verifone Inc. All rights reserved.

Release

This section captures the details on notification, the deployment, the signing details for the customer and details on IDS Reference Set.

Refer to **Release** table in Deployment Setup section in Configuration Questionnaire for more description on release process requirement related field entries.



Following **Question** fields from **Deployment Setup** are **MANDATORY** to fill, to avoid any error message during Build generation:

Release

- Please provide the release epic (ANB/ANC)
- Please provide Signing Certificate for Prod Packages
- Please provide Android signing certificate for Production packages

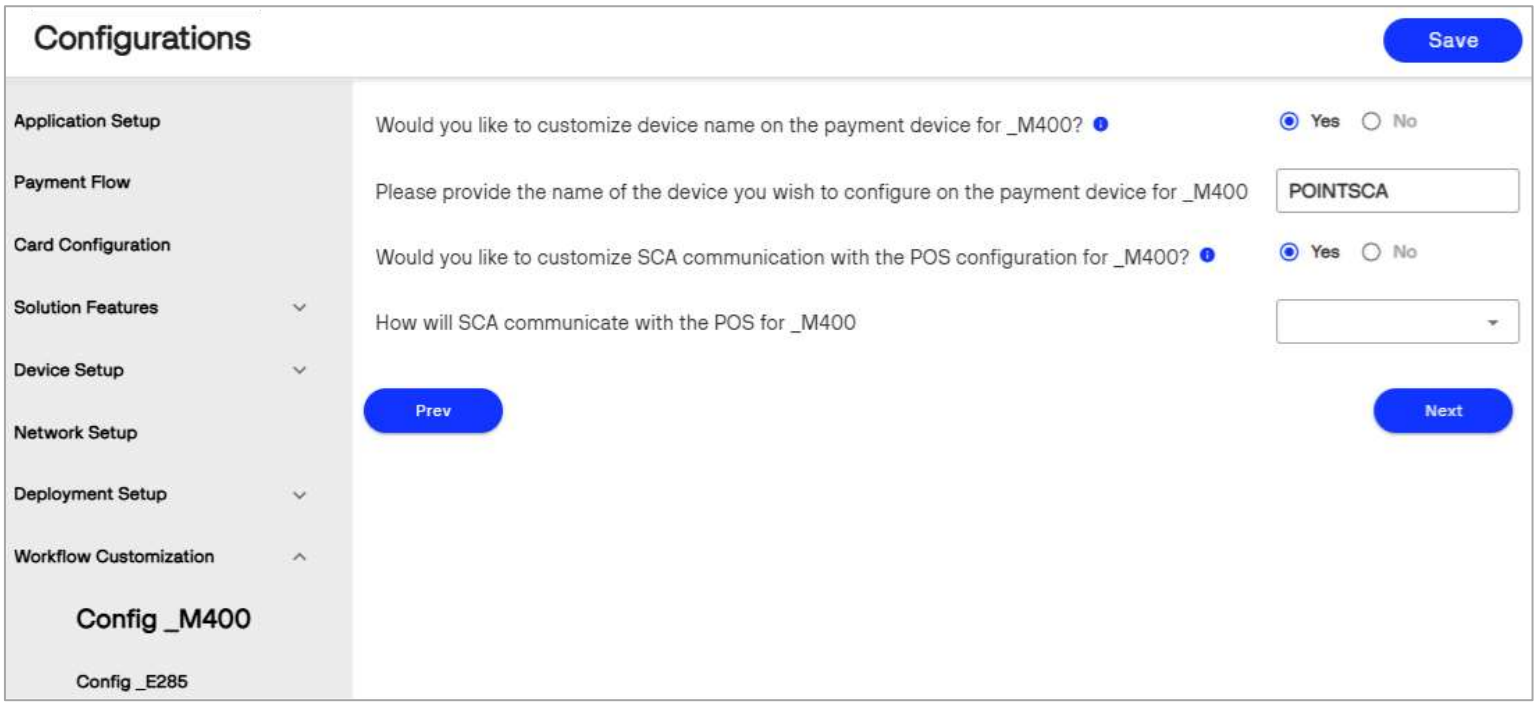
© Verifone Inc. All rights reserved.

NOTE	Detail on **Android signing certificate** field is applicable, only when the user selects the devices with Android processor, like M440, M424.

Workflow Customization

Workflow Customization section captures details on any modifications the merchant wishes to implement concerning that workflow. Provide the details on customization and click **Save** to apply the changes.

Refer to Workflow Customization table in Configuration Questionnaire section for more description on customizing the workflow related field entries.



© Verifone Inc. All rights reserved.

XPI

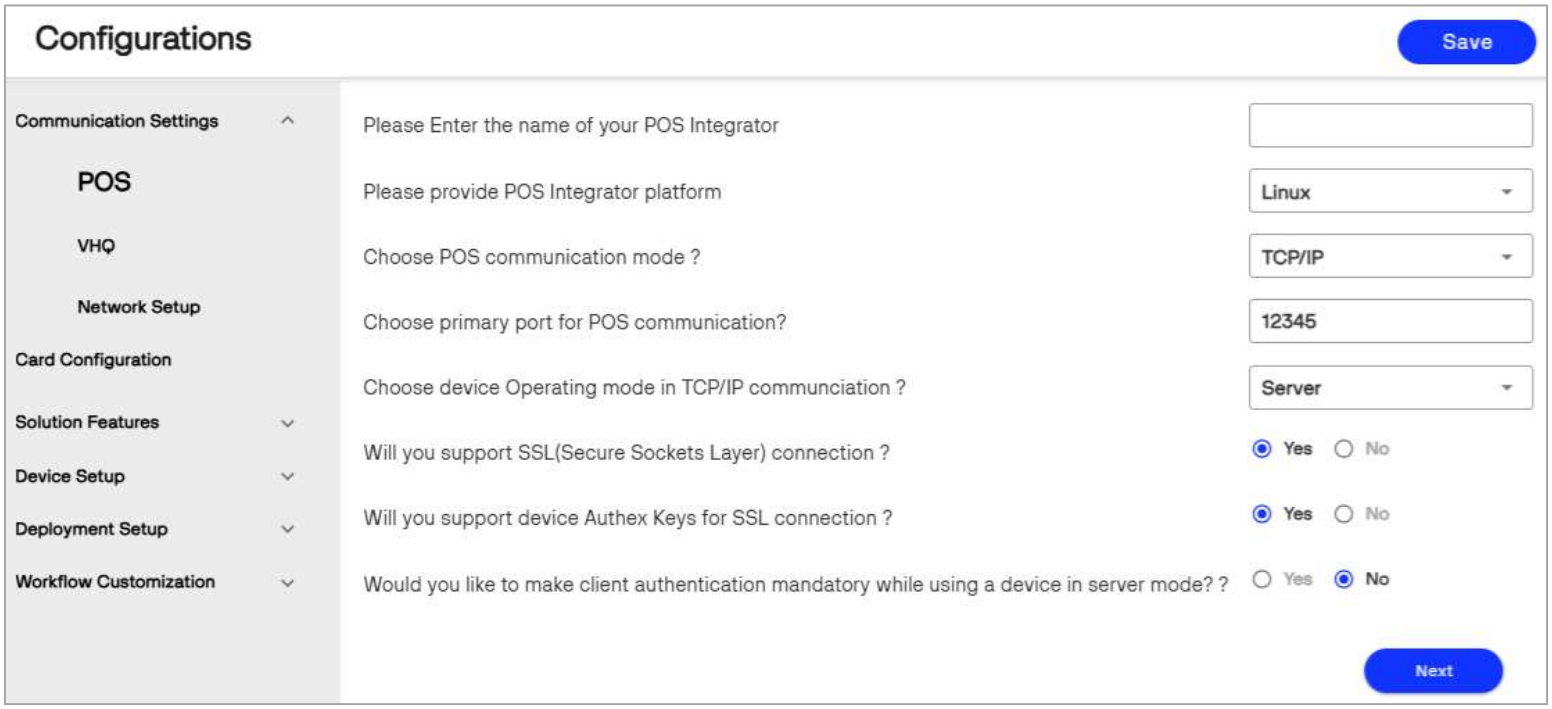
Communication Settings

This section captures the details required for setting up communication for the **POS** integrator, **VHQ** services and supported Network communication. Provide the required details, click **Save** and **Next** button to proceed for the next set of questionnaires.

POS

This section captures the configuration, which is required with respect to the communication between the pause and the device.

Refer to **POS** table in Communication Settings section in Configuration Questionnaire for more description on POS related field entries.

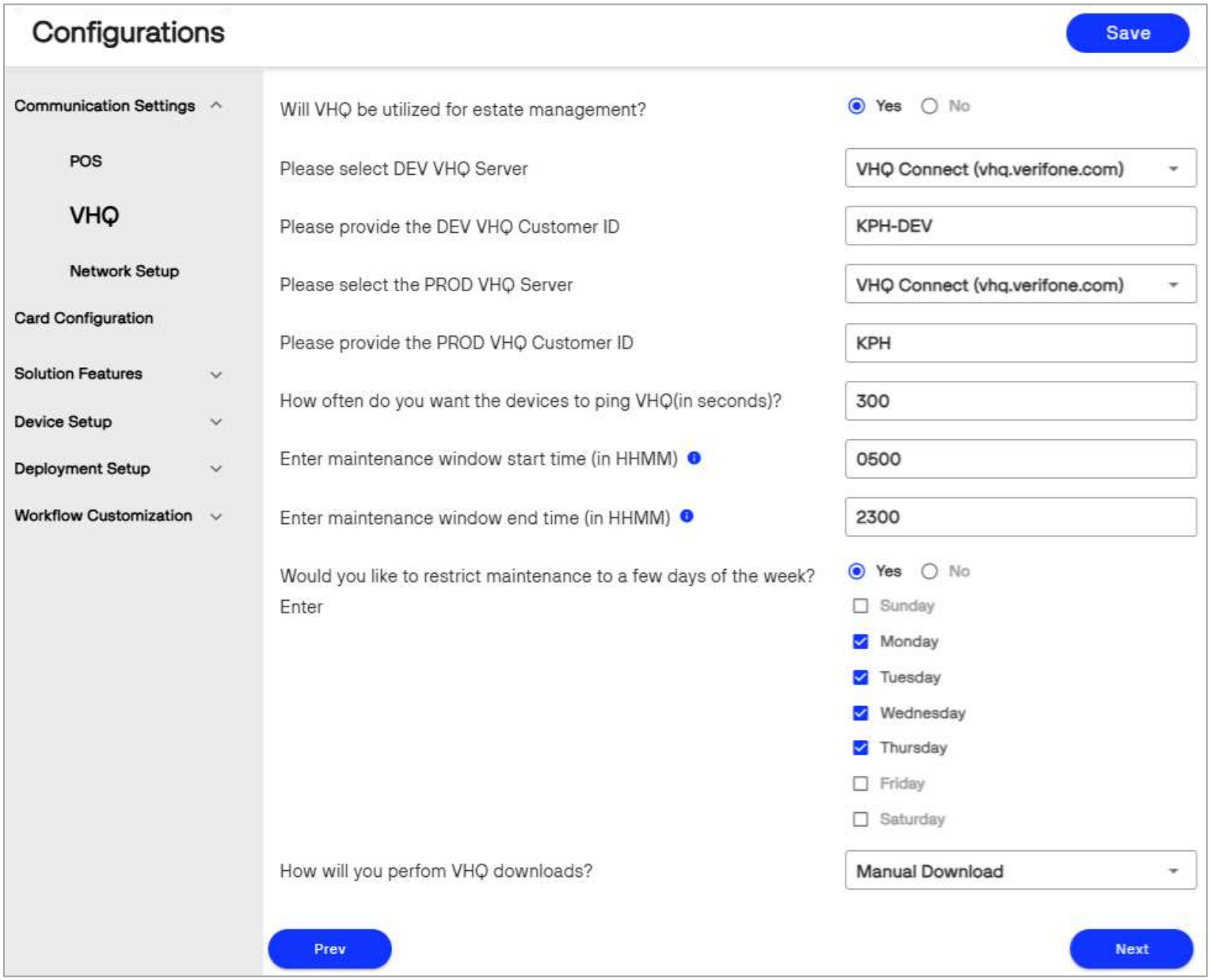


© Verifone Inc. All rights reserved.

VHQ

This section captures the settings that are required for the VHQ communication.

Refer to **VHQ** table in Communication Settings section in Configuration Questionnaire for more description on VHQ related field entries.

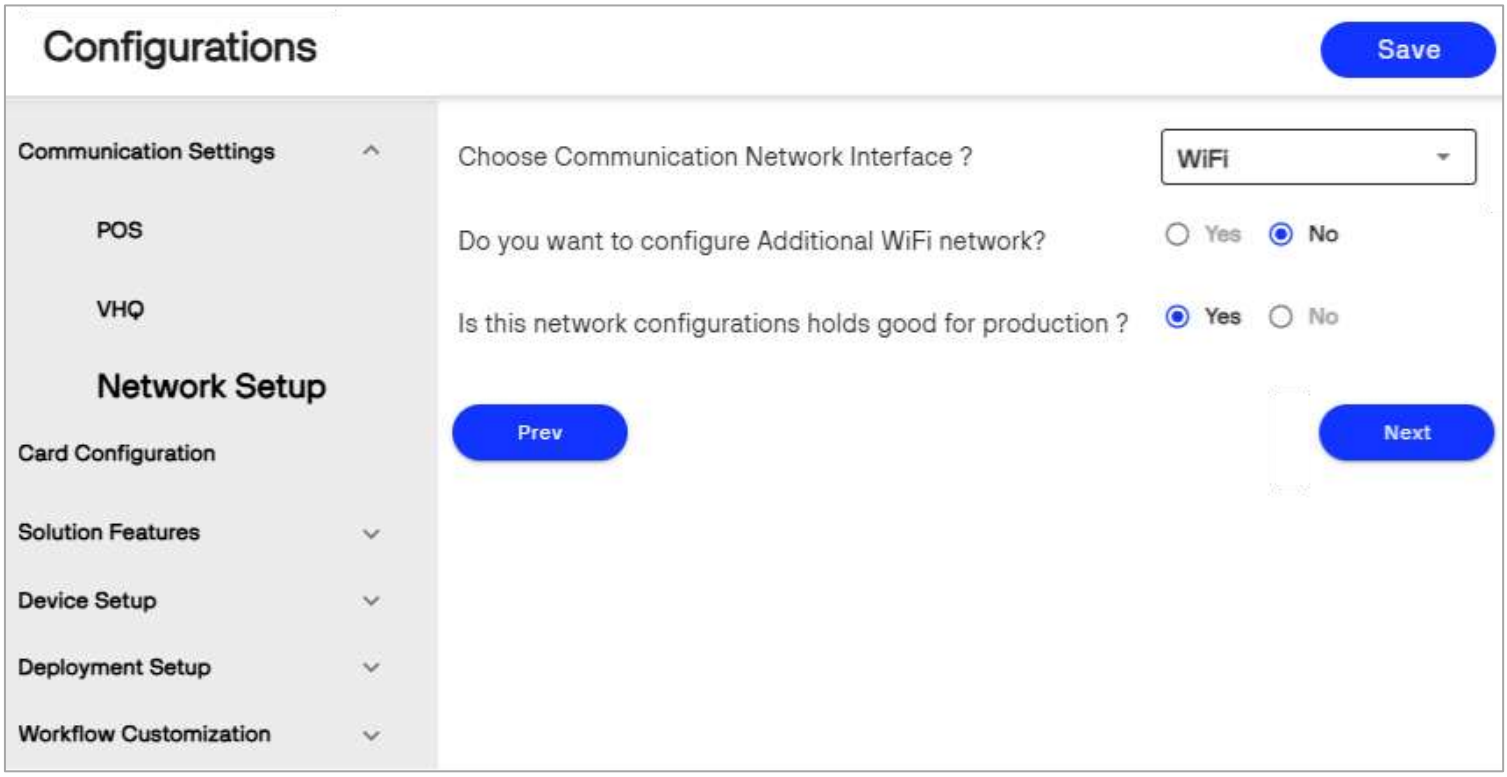


© Verifone Inc. All rights reserved.

Network Setup

This section allows you to configure the network that is required for the device in the estate. Provide the required details, click **Save** and **Next** button to proceed for the next set of questionnaires.

Refer to **Network Setup** table in Communication Settings section in Configuration Questionnaire for more description on network setup related field entries.



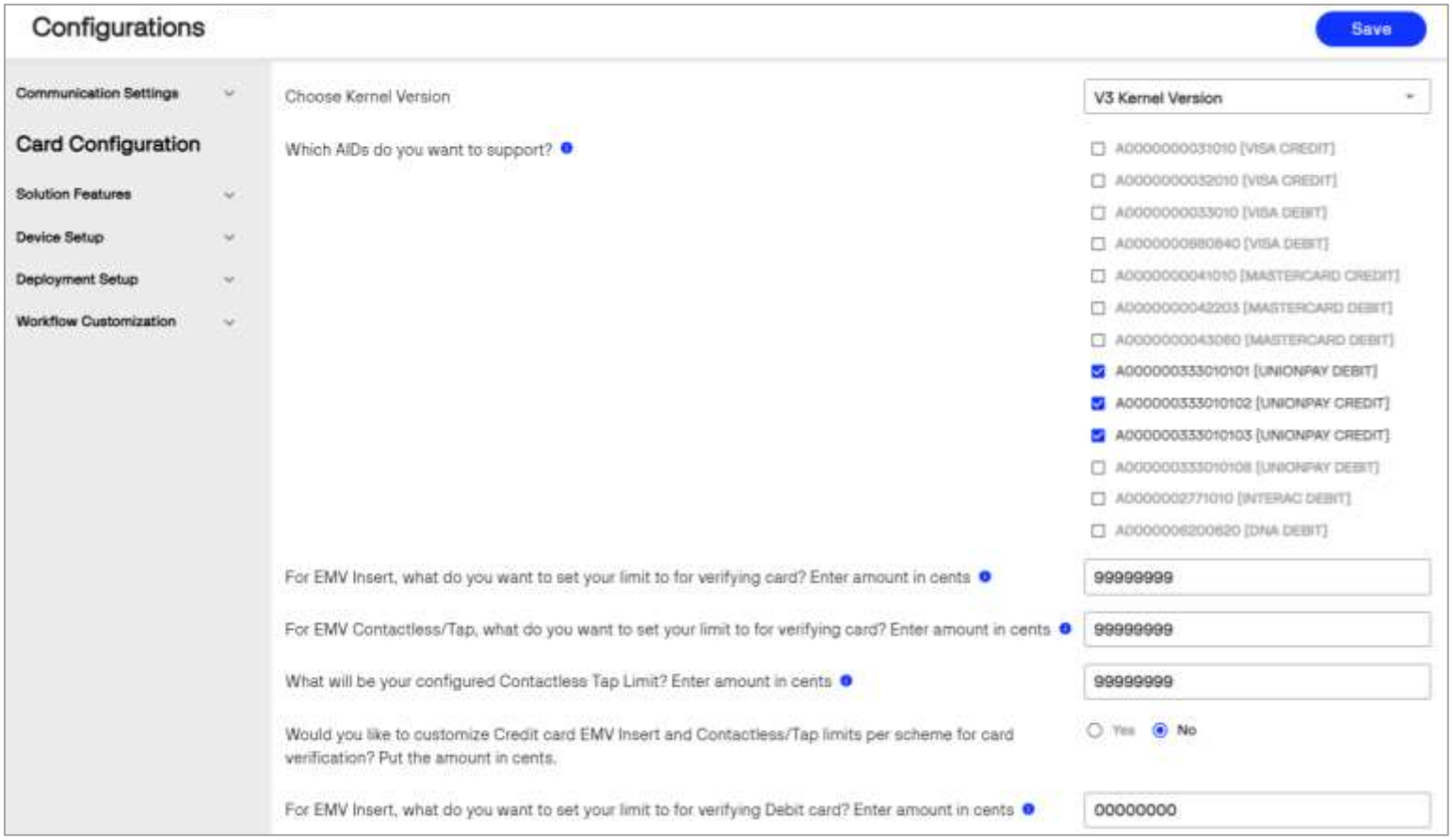
Following **Question** field from **Network Setup** for **XPI** application is **MANDATORY** to fill, to avoid any error message during Build generation:

- Choose Communication Network Interface?
- Is this network configurations holds good for production?

© Verifone Inc. All rights reserved.

Card Configuration

This section allows you to configure the required EMV AIDs, its limits and also settings required for the card processing. Provide the required details, click **Save** and **Next** button to proceed for the next set of questionnaires.
Refer to Card Configuration table in Configuration Questionnaire section for more description on card configuration related field entries.



© Verifone Inc. All rights reserved.

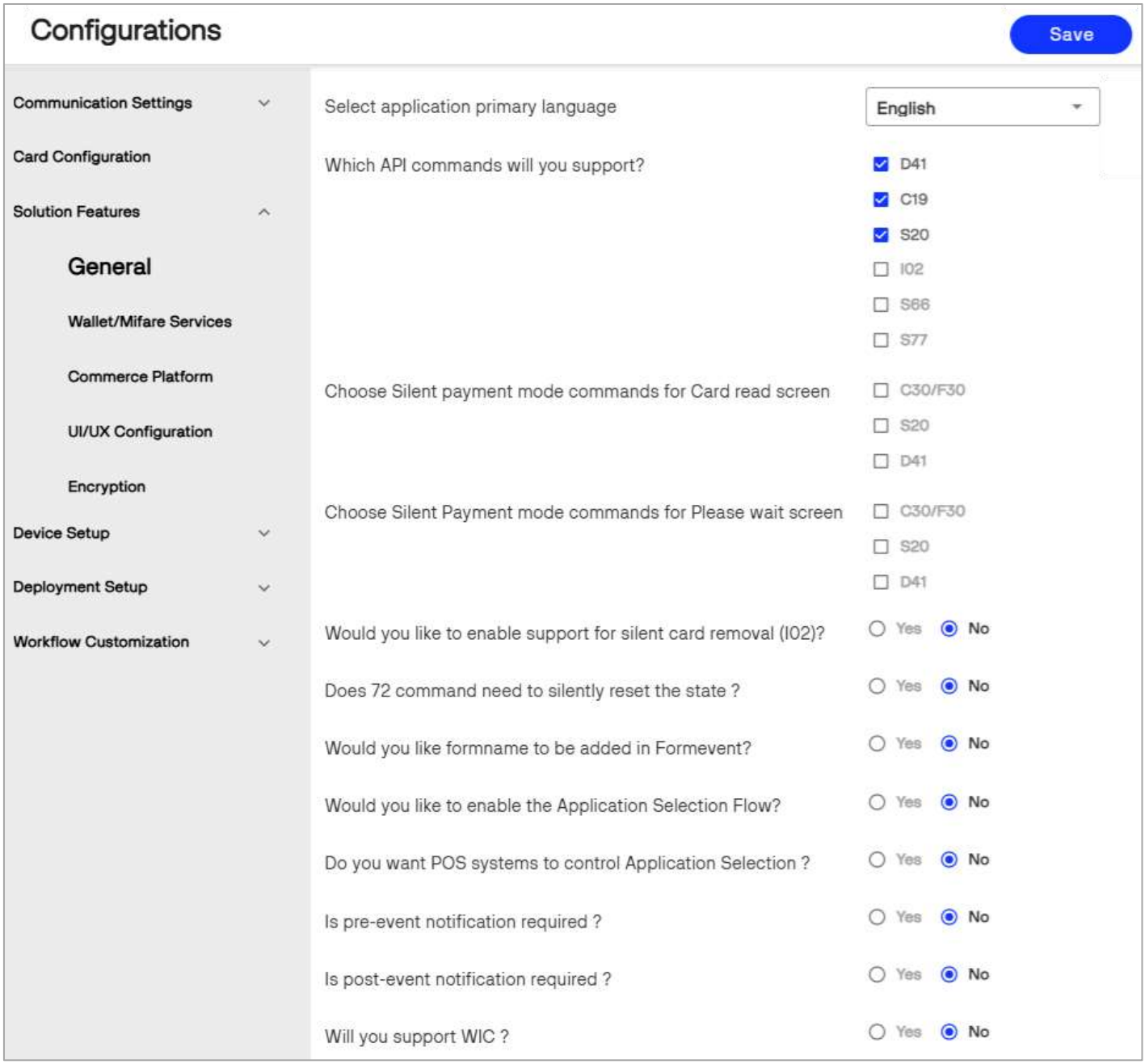
Solutions Features

This section contains the multiple sub section which allows to configure the various functionalities, supported by the payment application. Provide the required details, click **Save** and **Next** button to proceed for the next set of questionnaires.

General

This section captures the generic functionalities of **XPI** application, which can be configured on the requirements. If the customer needs to configure any other functionality, which is not mentioned as a part of the questionnaire, then enter the required parameter(s) with single key value for the below question:
"Do you have any custom TEST parameters to be set? Please enter a single key=value pair in each line below the [reg] line"
Refer to **General** table in Solution Features section in Configuration Questionnaire for more description on the general settings related field entries.

© Verifone Inc. All rights reserved.

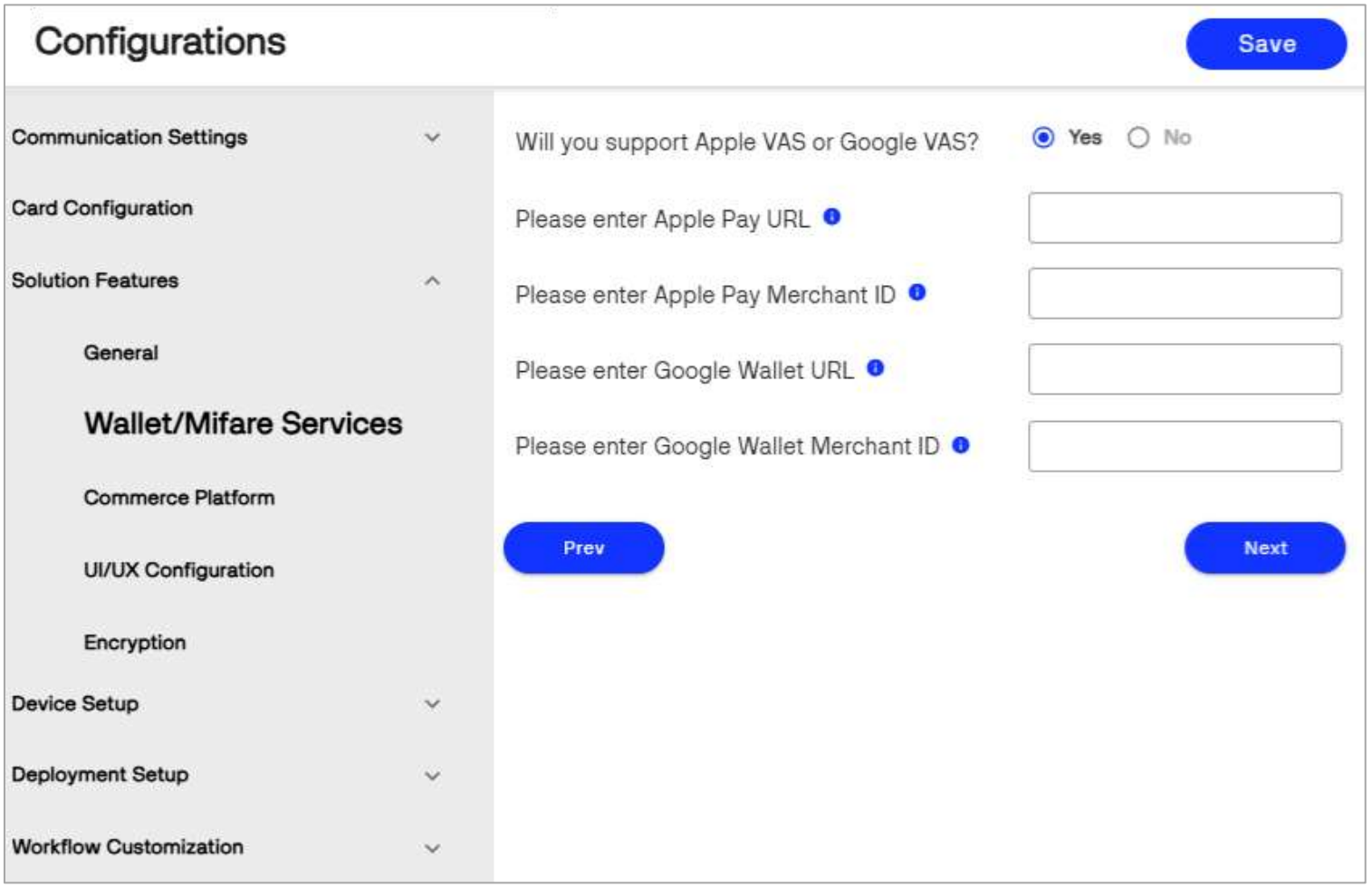


© Verifone Inc. All rights reserved.

Wallet/MIFARE Services

This section allows you to configure the value-added services for Apple and Google.

Refer to **Wallet Services** table in Solution Features section in Configuration Questionnaire for more description on the wallet services related field entries.

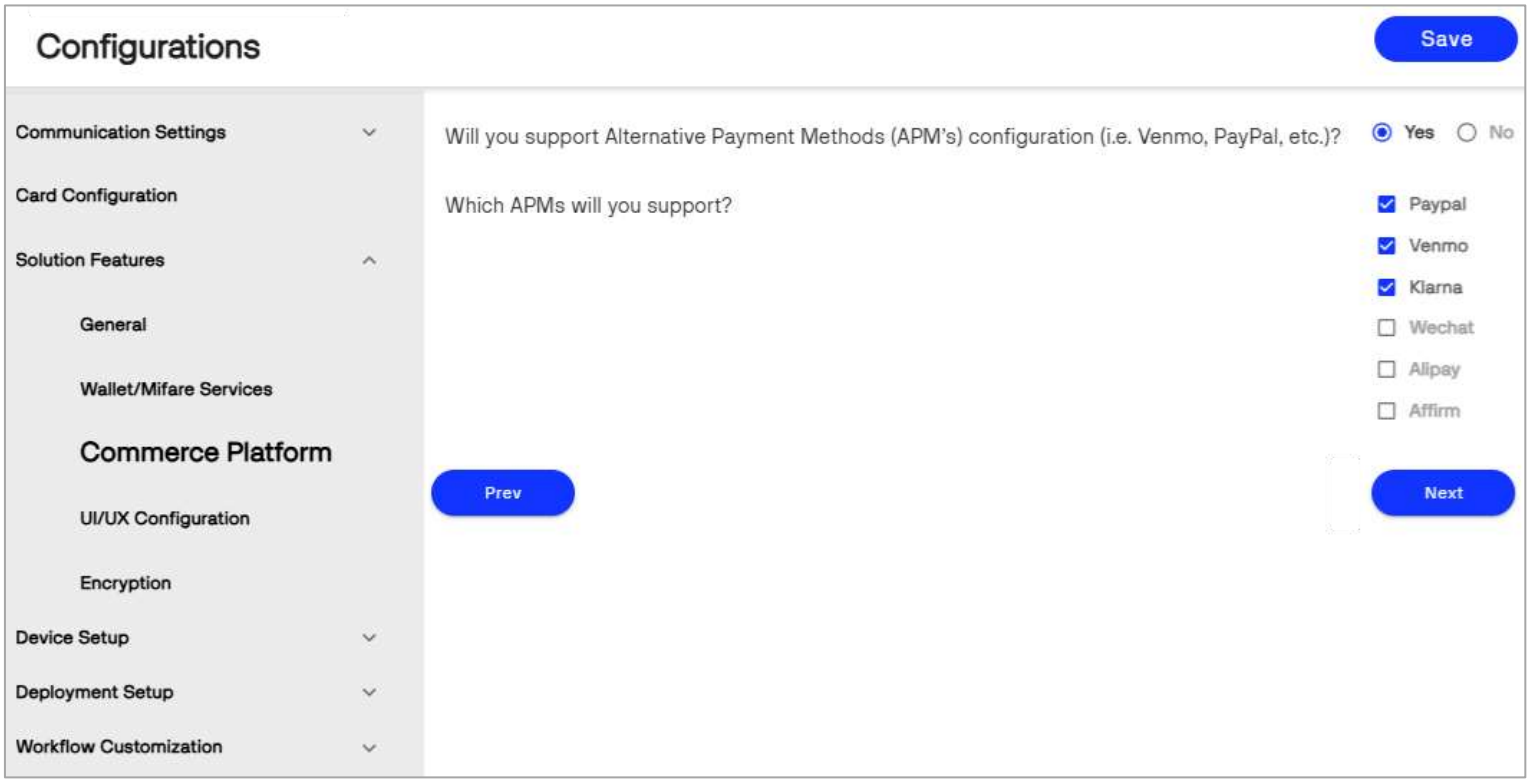


© Verifone Inc. All rights reserved.

Commerce Platform

This section allows you to select any Alternate Payment Methods (APMs).

Refer to **Commerce platform** table in Solution Features section in Configuration Questionnaire for more description on the commerce platform related field entries.

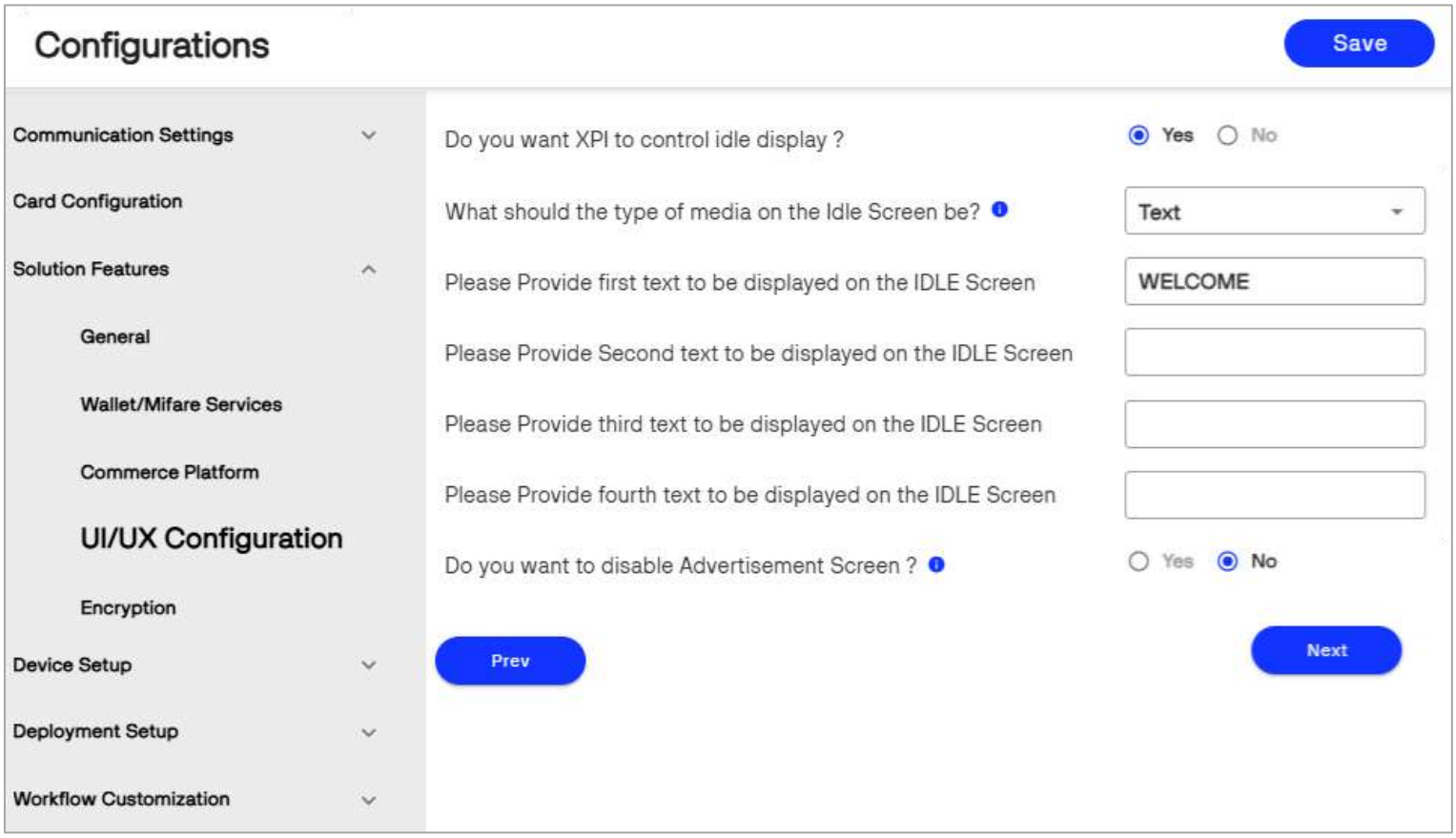


© Verifone Inc. All rights reserved.

UI/UX Configuration

This section allows you to configure the Idle screen display with respect to adding text and advertisement media.

Refer to **UI/UX Configuration** table in Solution Features section in Configuration Questionnaire for more description on the UI configuration related field entries.



Following **Question** fields from **Solution Features** for **XPI** application are **MANDATORY** to fill, to avoid any error message during Build generation:

UI/UX Configuration

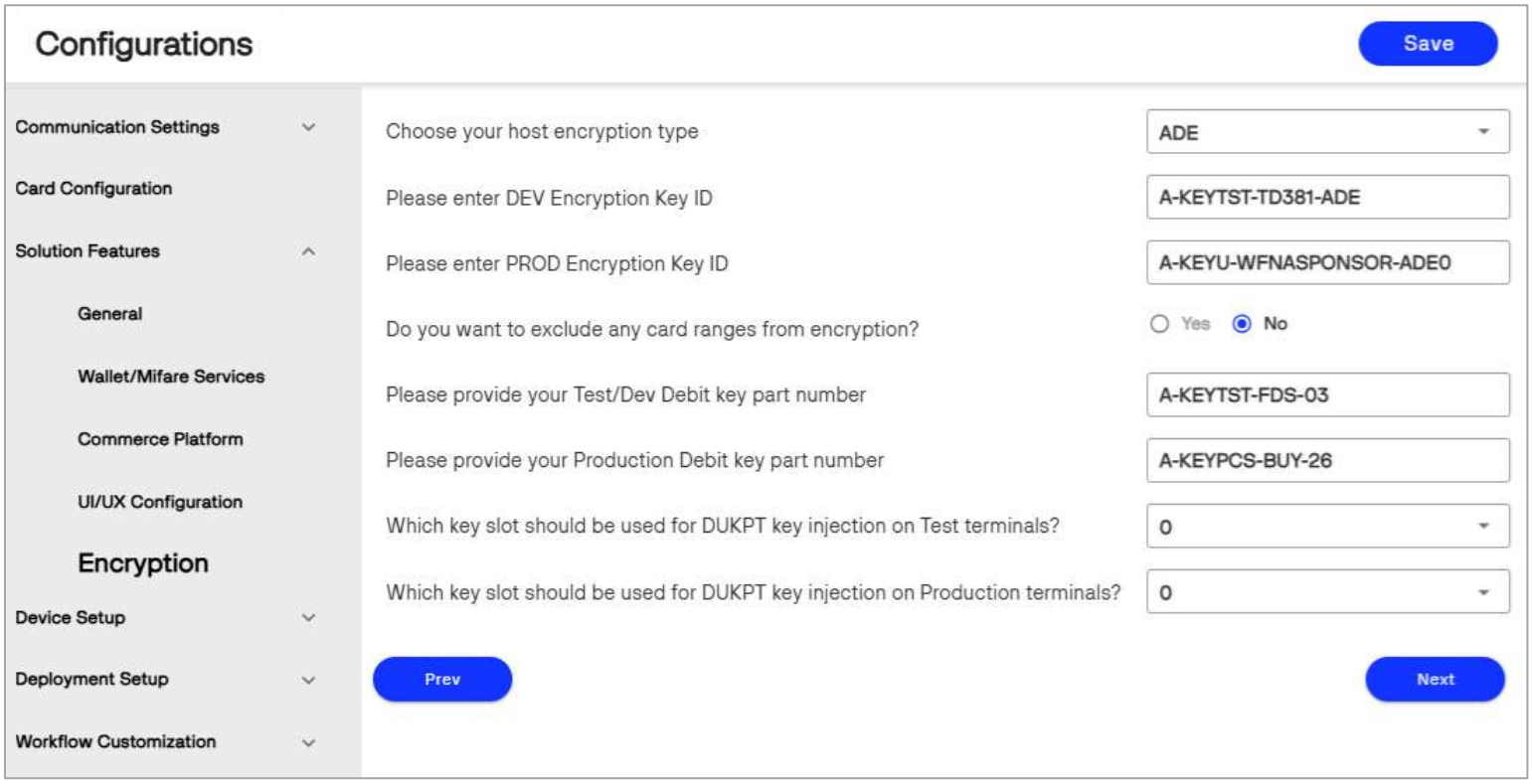
- Please provide your Test/Dev Debit key part number

© Verifone Inc. All rights reserved.

Encryption

The encryption section captures the configuration details, which is required to be set up the security.

Refer to **Encryption** table in Solution Features section in Configuration Questionnaire for more description on encryption related field entries.



Following **Question** fields from **Solution Features** for **XPI** application are **MANDATORY** to fill, to avoid any error message during Build generation:

Encryption

- Please provide your Test/Dev Debit key part number
- Please provide your Production Debit key part number

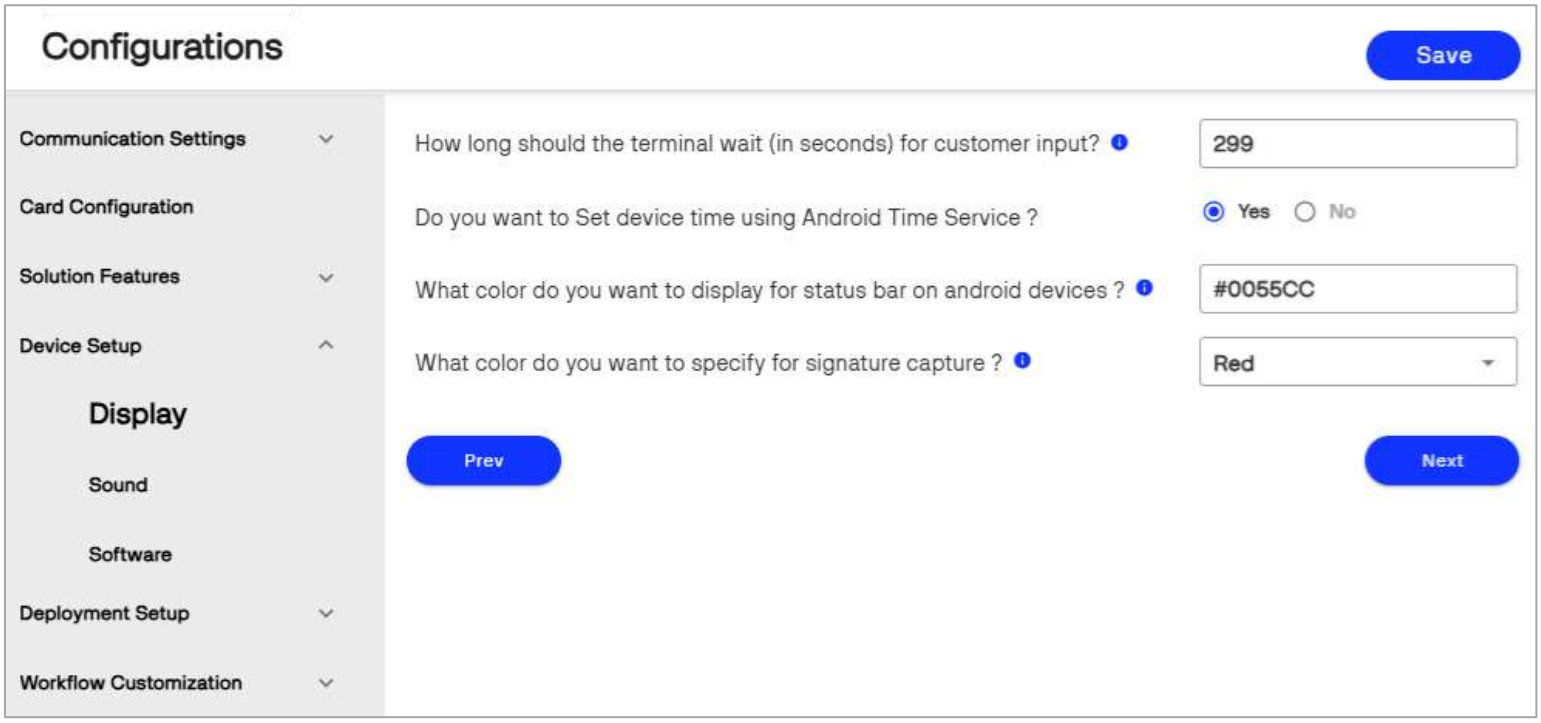
© Verifone Inc. All rights reserved.

Device Setup

Display

This section captures the settings required for the device display during the transaction flow. This section also helps you to configure the prompts and custom messages to be displayed on the device as part of the transaction.

Refer to **Display** table in Device Setup section in Configuration Questionnaire for more description on display related field entries.

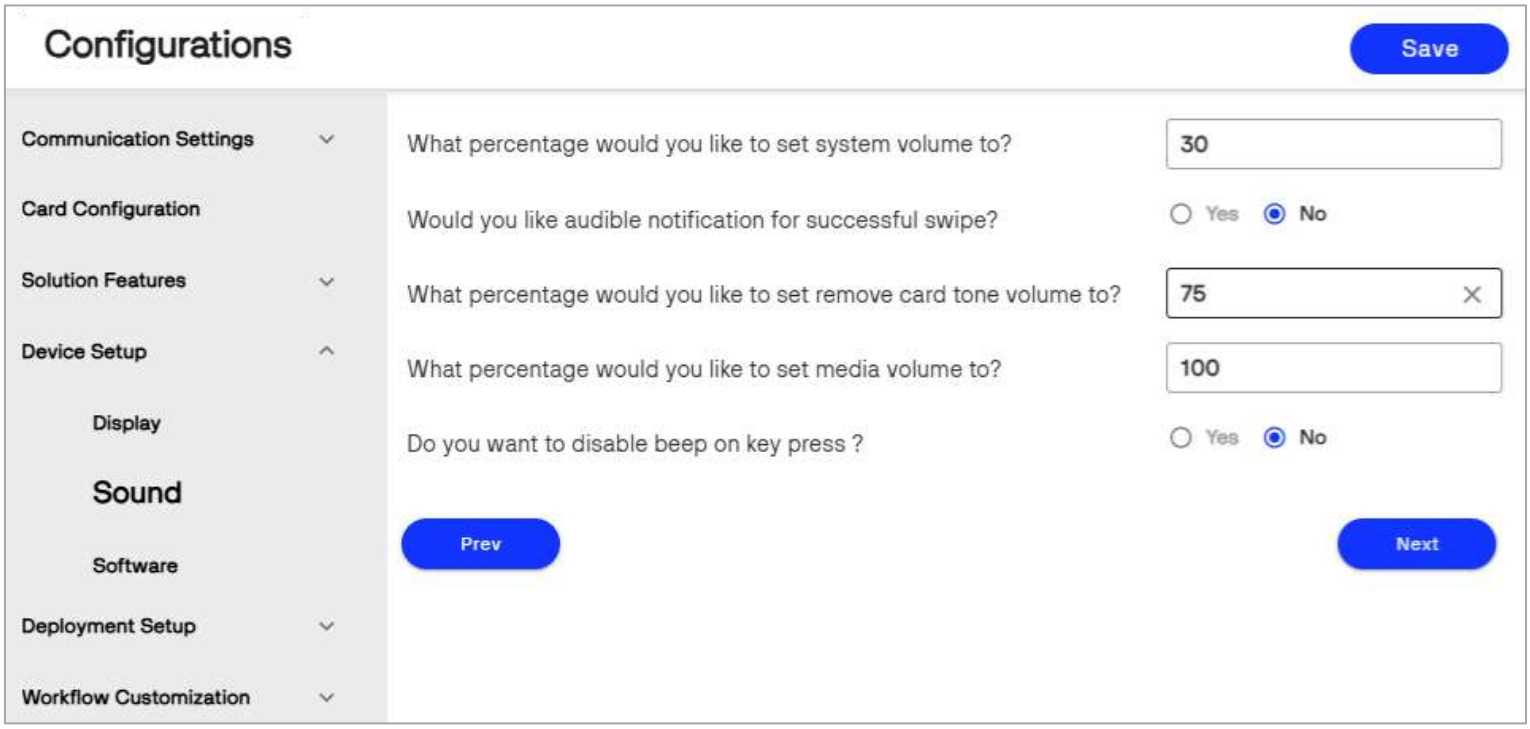


© Verifone Inc. All rights reserved.

Sound

This section captures the details to set the volume percentage for the required notifications as part of the transaction flow.

Refer to **Sound** table in Device Setup section in Configuration Questionnaire for more description on device sound related field entries.

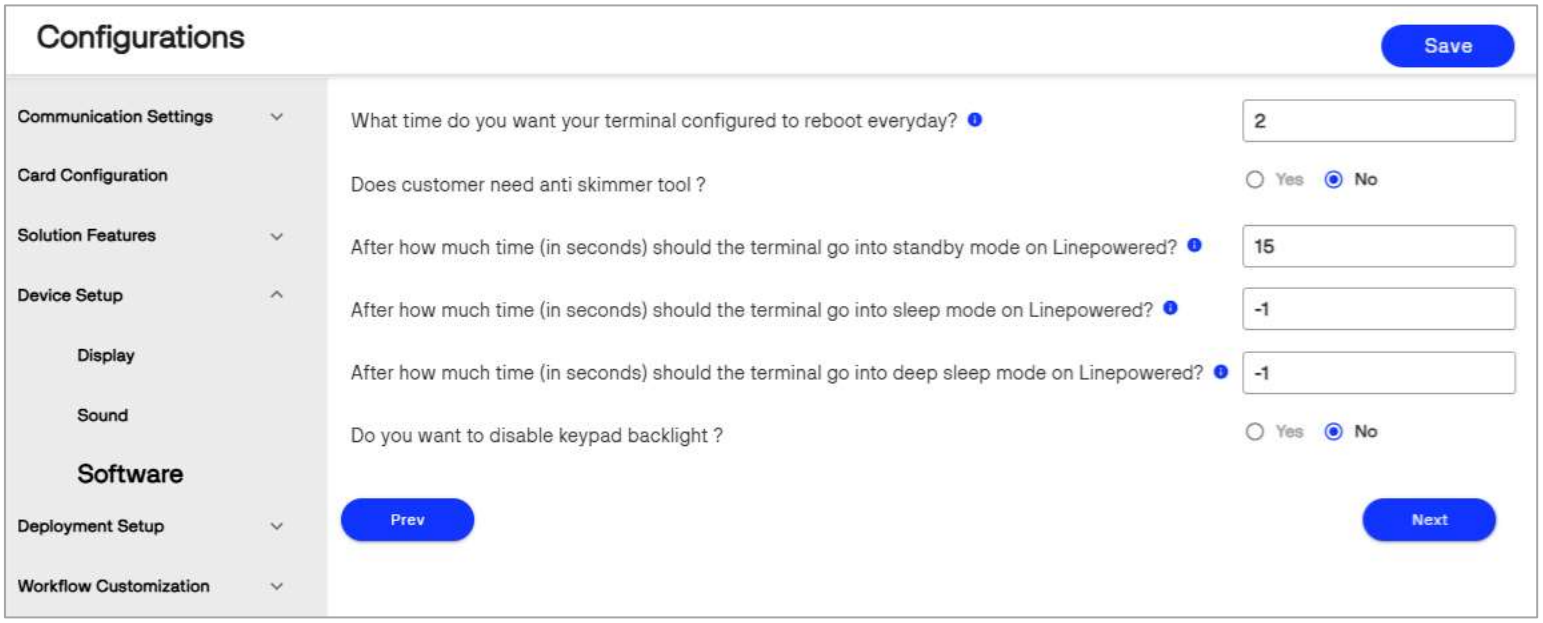


© Verifone Inc. All rights reserved.

Software

This section captures the details on the software configurations, add on tools and the power management configuration with respect to Mobile (Battery) and line powered devices as a support for the transaction.

Refer to **Software** table in Device Setup section in Configuration Questionnaire for more description on software related field entries.



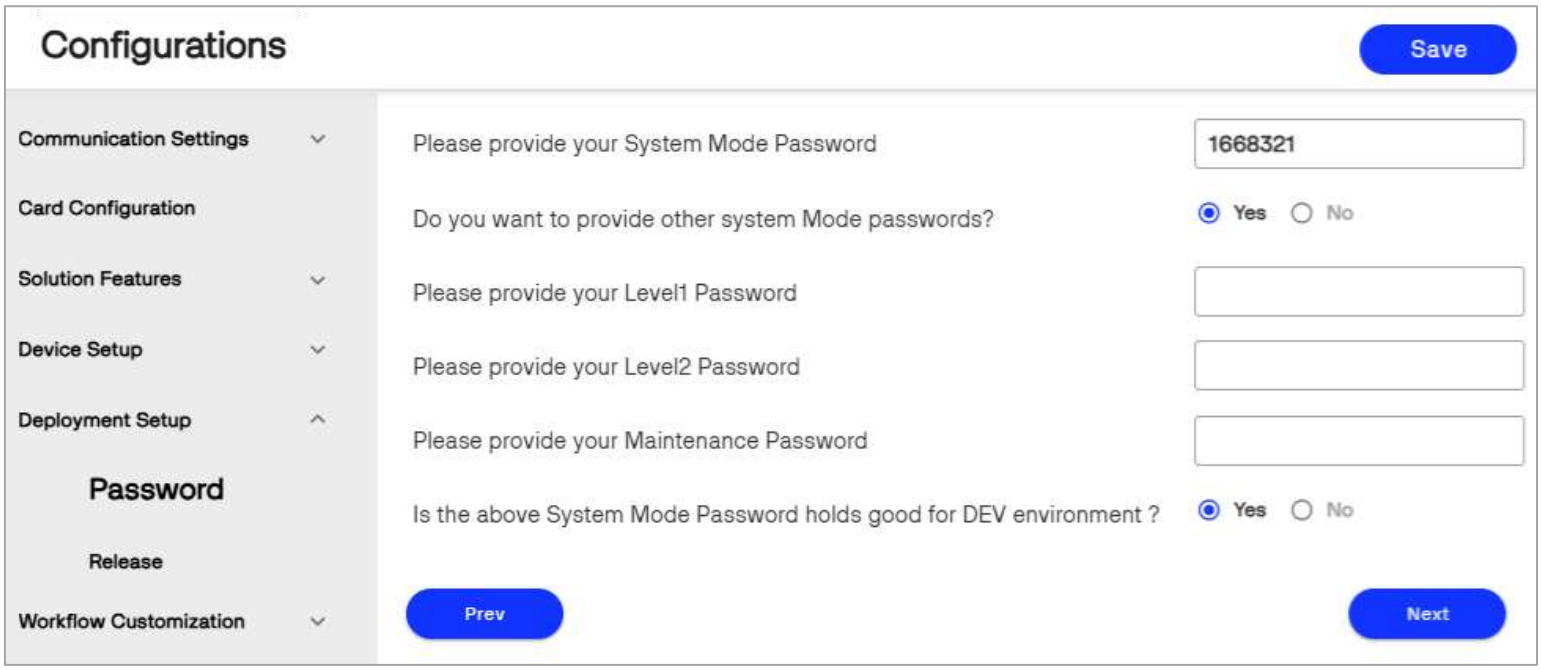
© Verifone Inc. All rights reserved.

Deployment Setup

This section captures the details based on system **Password** and **Release** packages. Provide the required details, click **Save** and **Next** button to proceed for the next set of questionnaires.

Password

Password section captures the various passwords that the merchant opts to configure on the device.
Refer to **Password** table in Deployment Setup section in Configuration Questionnaire for more description on setting different levels of password related field entries.

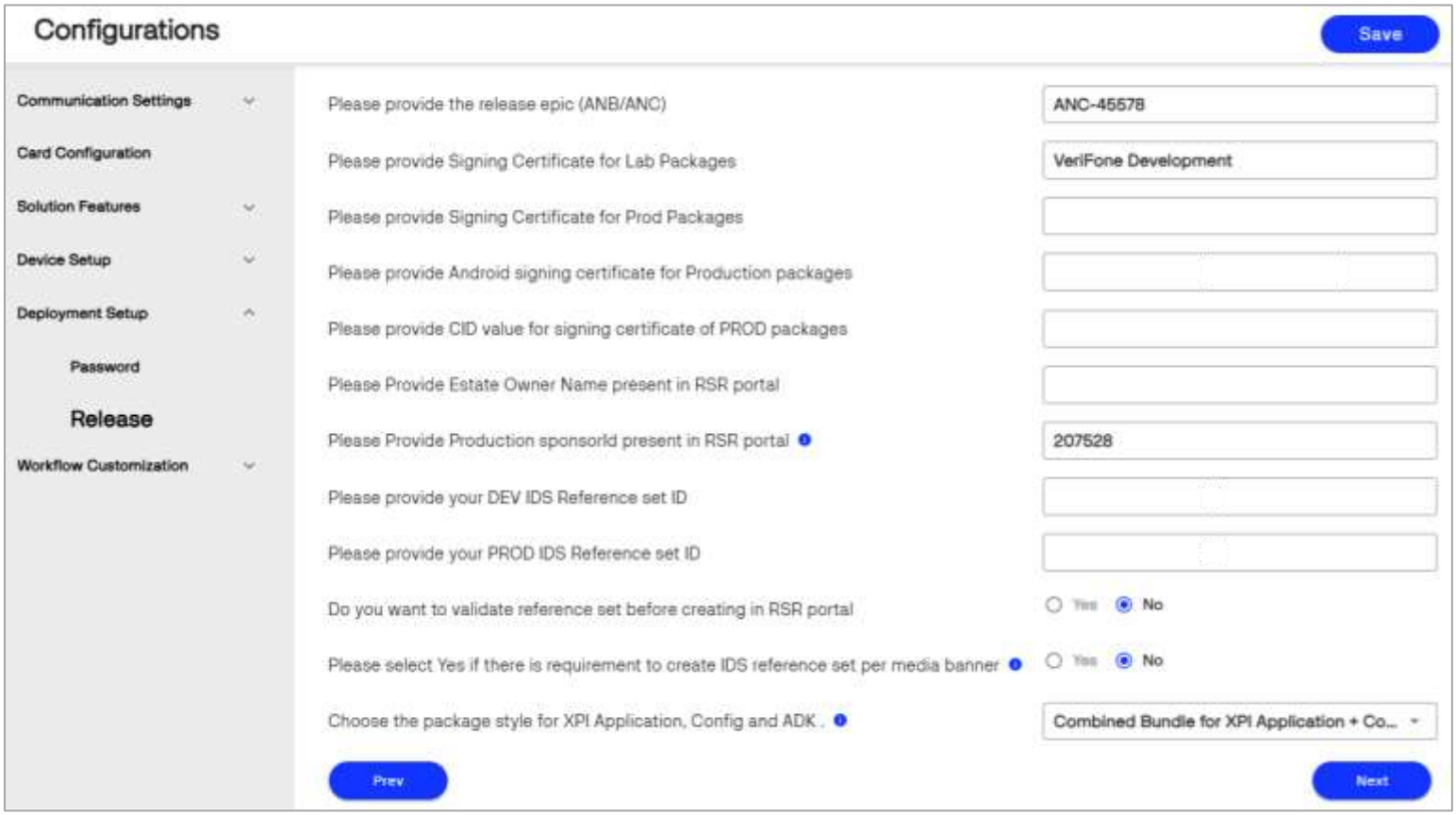


© Verifone Inc. All rights reserved.

Release

This section captures the details on notification, the deployment, the signing details for the customer and details on IDS Reference Set.

Refer to **Release** table in Deployment Setup section in Configuration Questionnaire for more description on release process requirement related field entries.

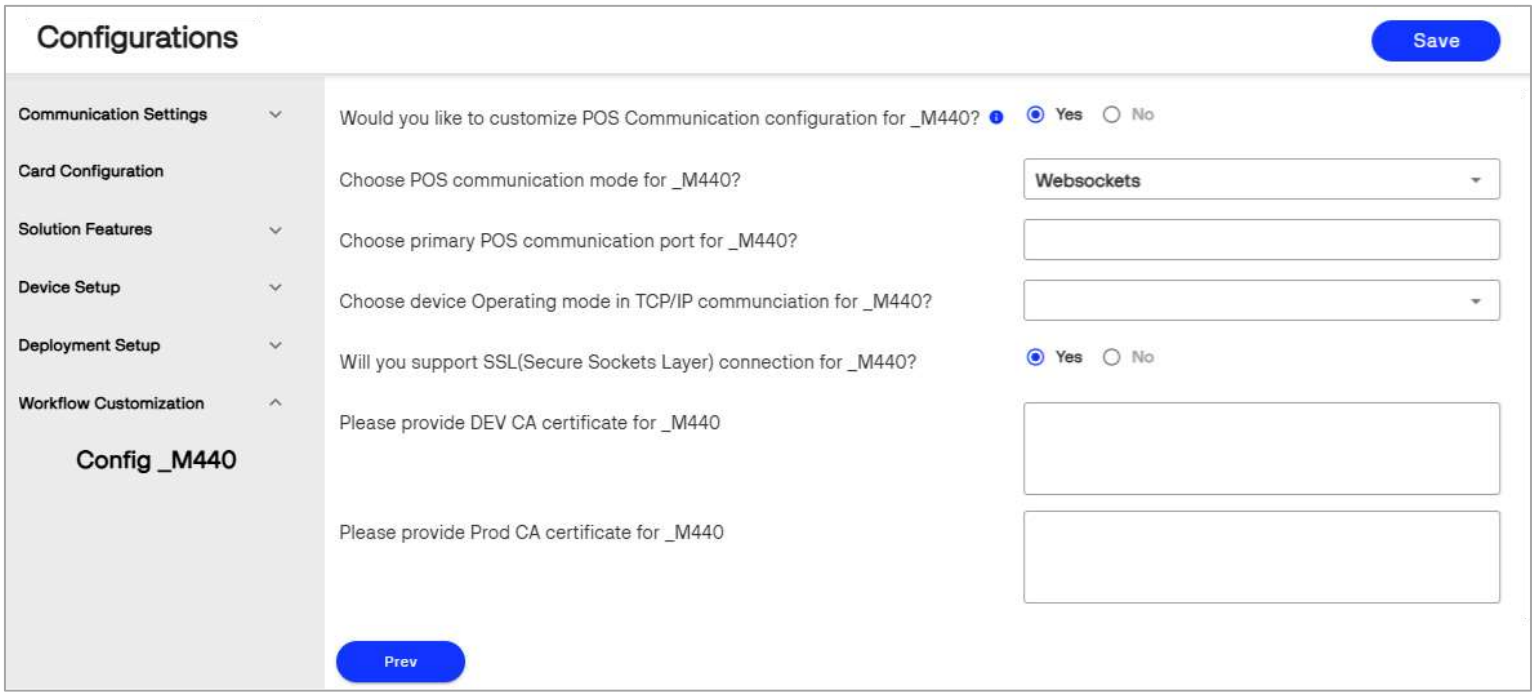


© Verifone Inc. All rights reserved.

Workflow Customization

Workflow Customization section captures details on any modifications the merchant wishes to implement concerning that workflow. Provide the details on customization and click **Save** to apply the changes.

Refer to Workflow Customization table in Configuration Questionnaire section for more description on customizing the workflow related field entries.



© Verifone Inc. All rights reserved.

BIN Data

NOTE	**BIN Data** tab is applicable for **SCA** application only.

BIN Data tab populated with the default BIN data which are added and customized based on the tenders. It is recommended to have the card ranges across the card types, should be distinct. There should not be overlapping card ranges across the card type to avoid the payment type selection screens typically for the Swipe transactions. For example, if the merchant wants to configure any gift card or private label card ranges, then the merchant can use this section to configure the required card range. This section provides the option to edit the existing card type, adding new card and delete any unnecessary card range.

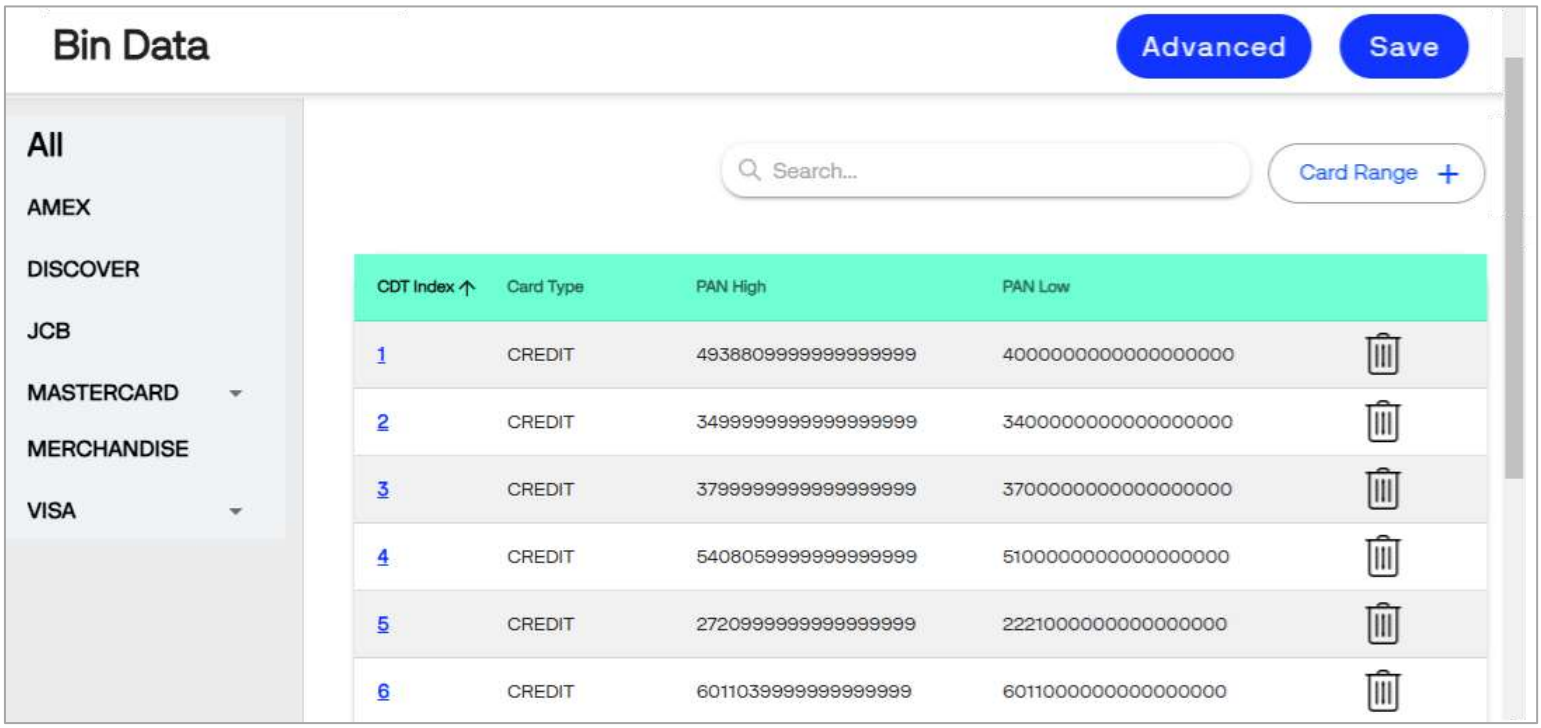
Edit Card Type

Editing card type can be performed in two different two modes: **Basic** and **Advance**

Basic Mode

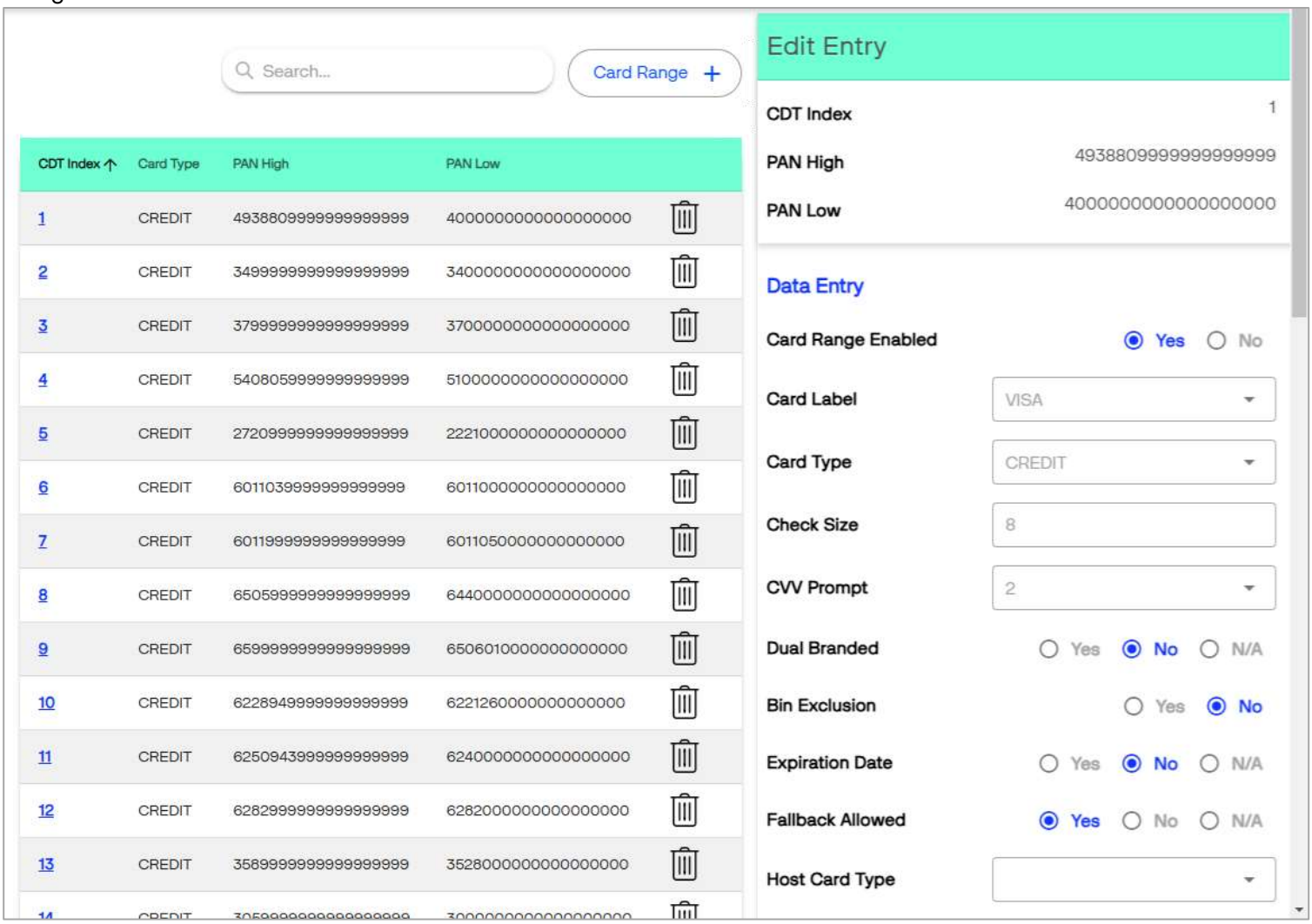
Basic view mode displays limited details on card type in a single page. Basic view allows the user to select single card type, at a time, to change in the Edit Entry screen option.

1. Click the **CDT Index** value to open the Edit Entry option for that particular card type.



© Verifone Inc. All rights reserved.

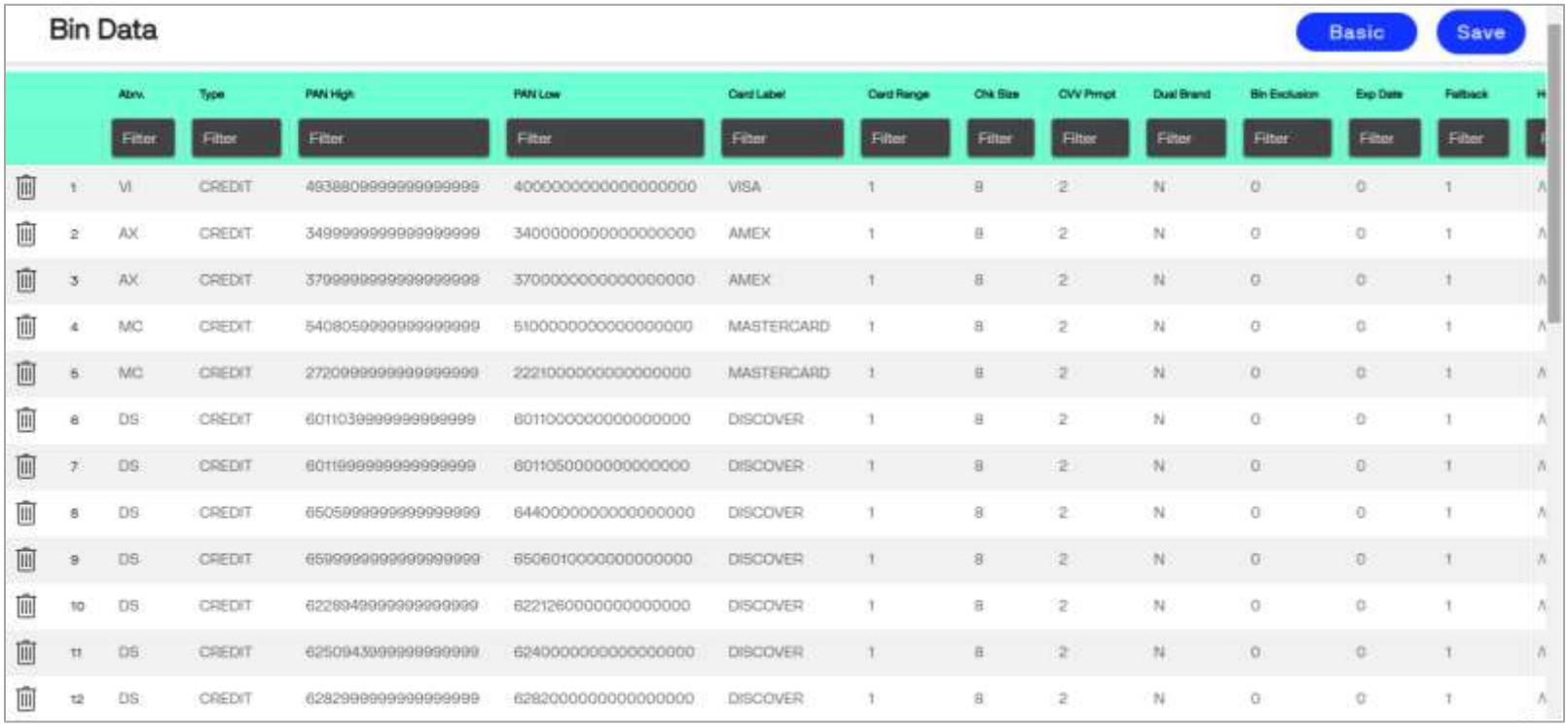
2. Edit Entry screen displayed for the selected CDT Index value. Make the necessary changes and click **Save** to apply the changes.



© Verifone Inc. All rights reserved.

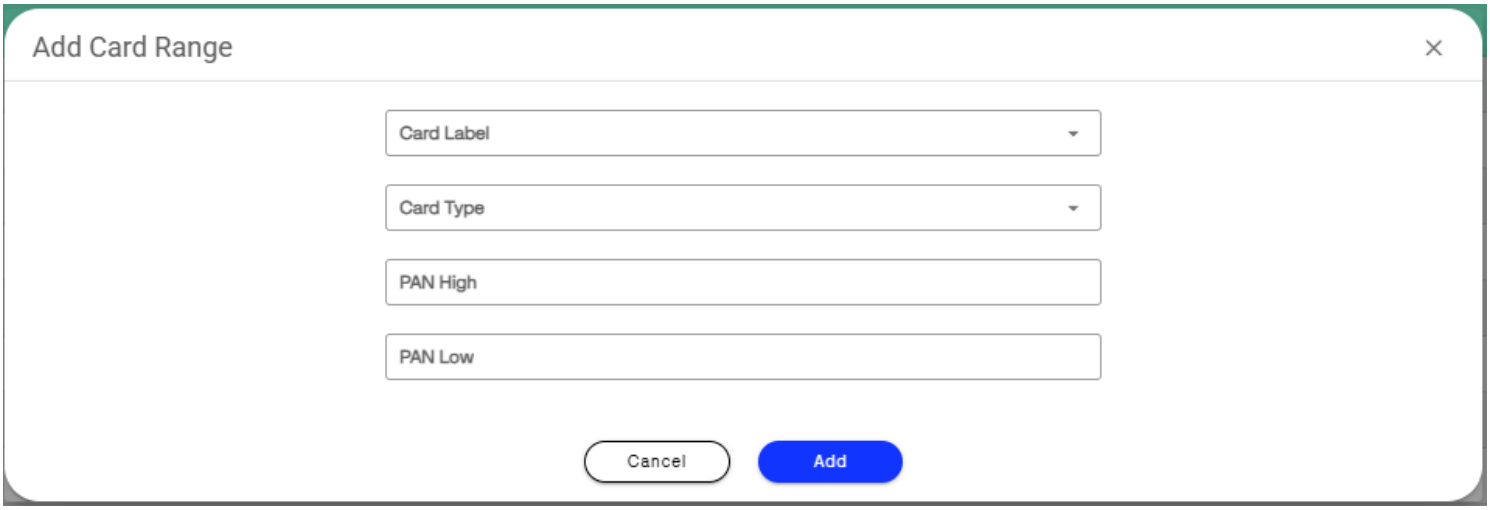
Advance Mode

Advance view mode allows the user to have Edit option for all the card types with their fields in a spreadsheet screen view. User can select any card to edit the necessary fields and click **Save** to apply the changes.



Add New Card Range

1. Click **Card Range +** for adding any new card range. Enter the details and click **Add**.



2. Enter the following details to add any new card range.

© Verifone Inc. All rights reserved.

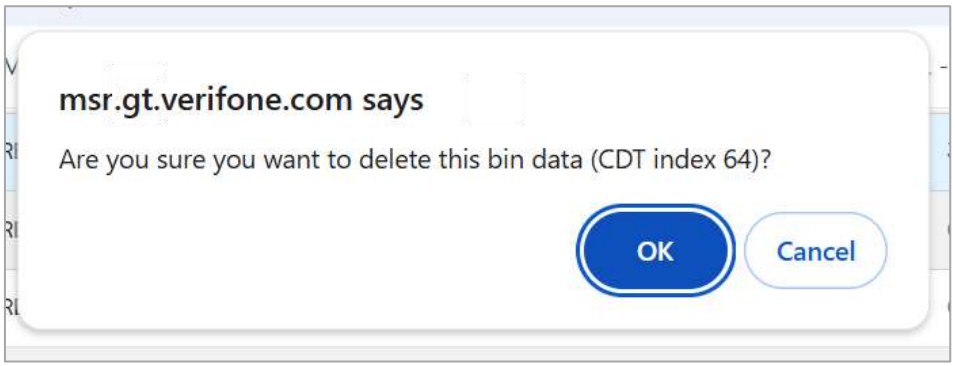
- Select the Card Label from the dropdown list, like AMEX, DEBIT etc.
- Select the Tender type from the dropdown list, like DEBIT, GIFT, EBT etc.
- Enter the PAN High range in the given textbox.
- Enter the PAN Low range in the given textbox.

3. Click **Add** to insert the new card type in BIN data list.

NOTE	It is recommended to validate and remove the data which are not appropriate with respect to the selected tenders, to avoid getting error messages when the build is triggered.

Delete Card Range

1. Click delete icon to remove the **Card Range** from the BIN data list. A notification displays for the confirmation.



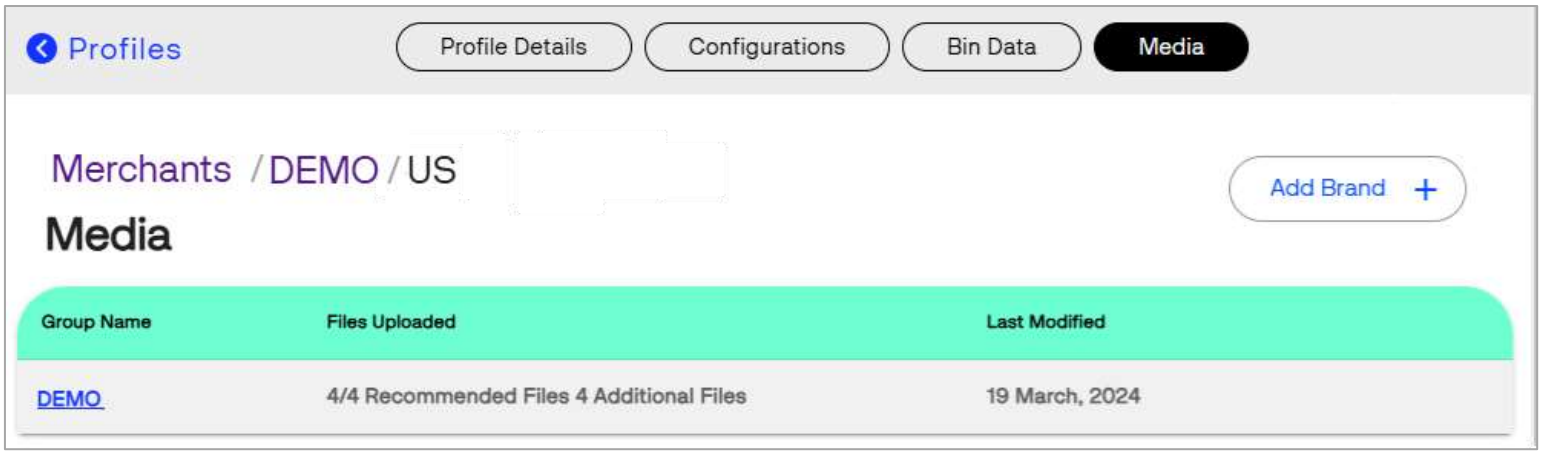
2. Click OK to remove the **Card Range.**

© Verifone Inc. All rights reserved.

Media

Media tab contains the placeholder for adding the required media files to be shown on the Idle screen, Welcome screen or the line-item screen for the device selected.

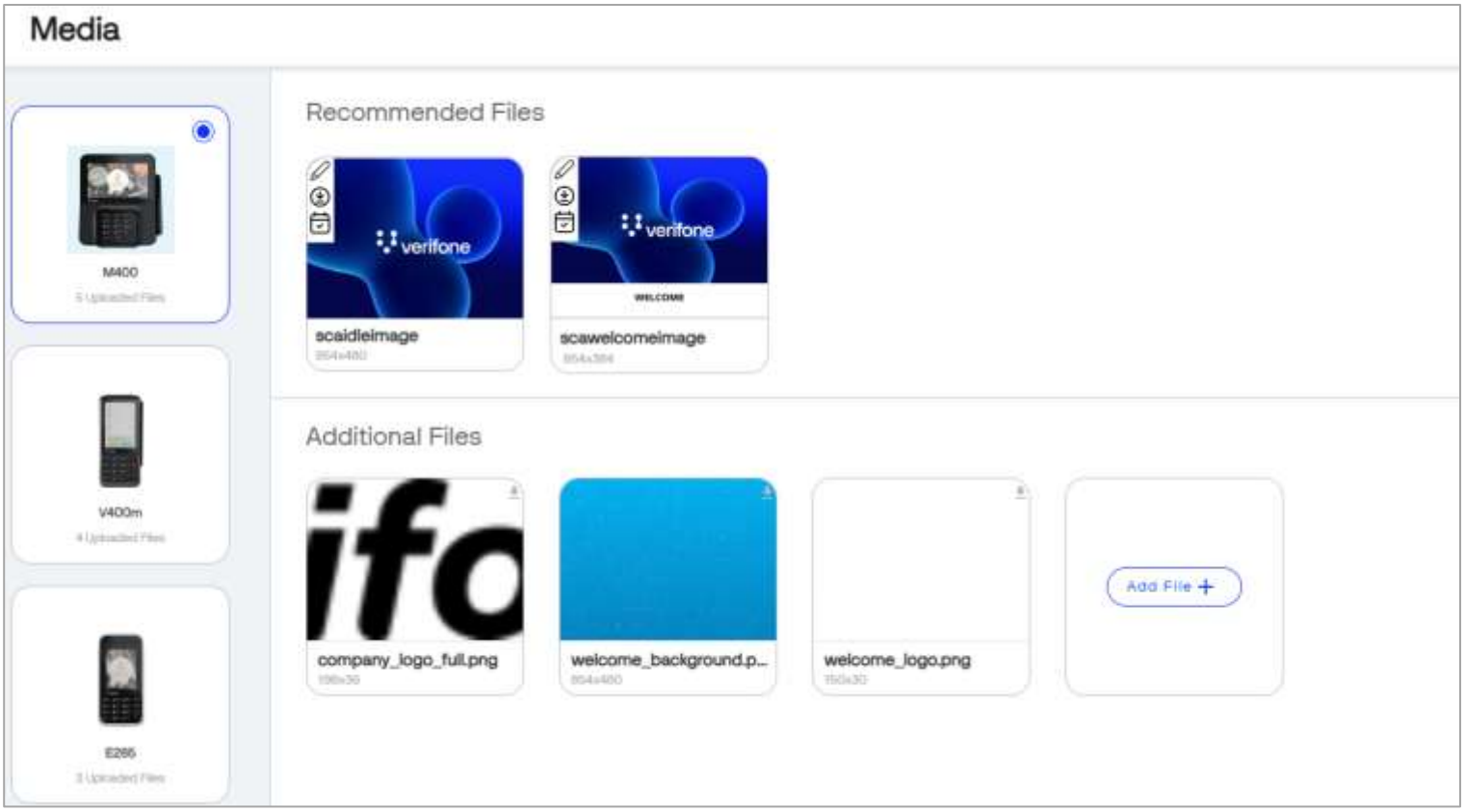
1. Click the **Media** Tab and select the group name form the given list.



2. Media page is displayed with the placeholder for adding the required media files. **Recommended fields** section is mandatory files to be provided, to avoid any error message while the build is being prompted. Other files can be entered in **Additional Files** section. Supported media file formats are PNG, GIF and AVI. If the customer uploads any other format, then then the application will not consider that image file and the device will display Verifone default media.

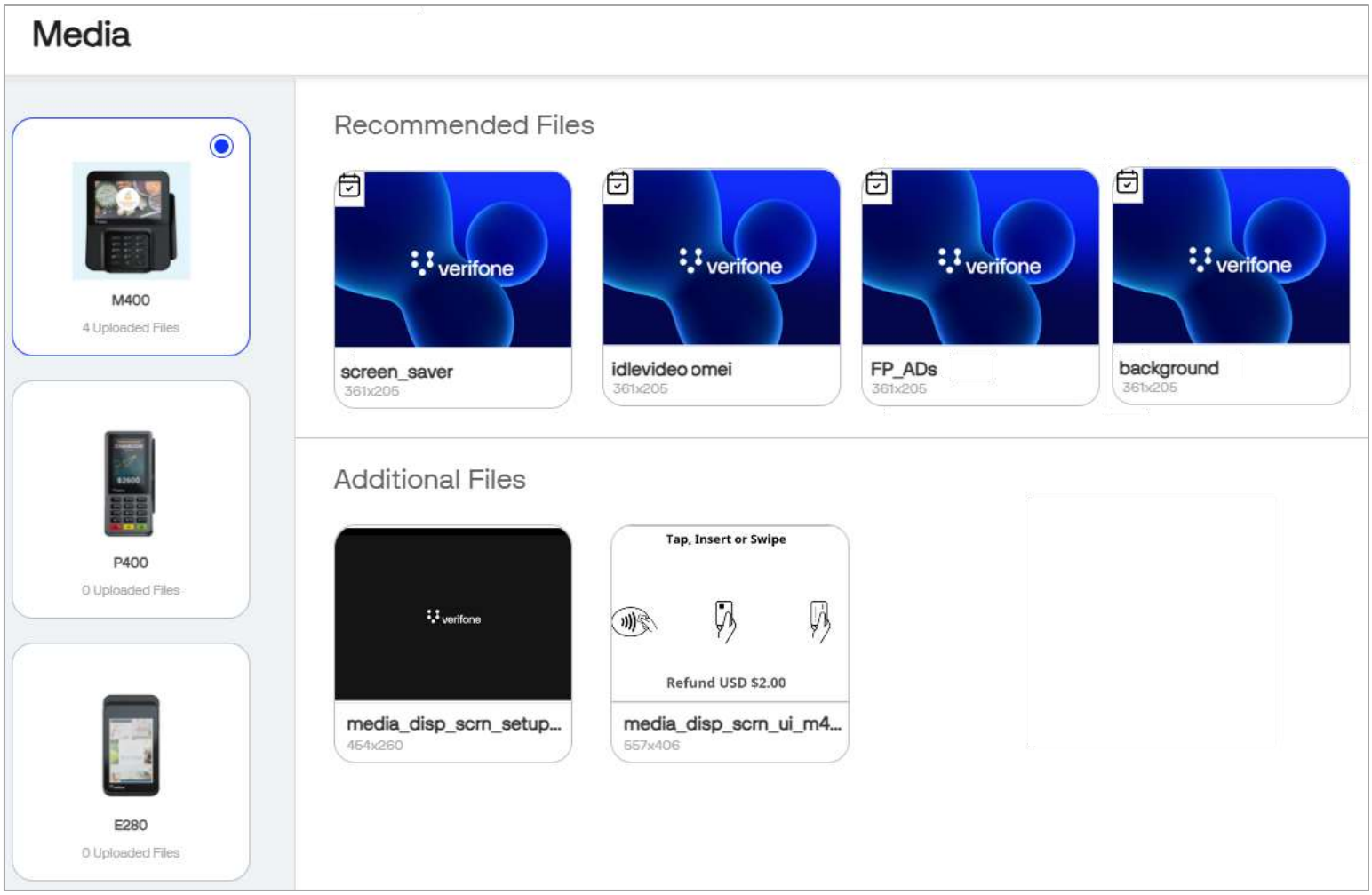
© Verifone Inc. All rights reserved.

SCA - Media Tab



© Verifone Inc. All rights reserved.

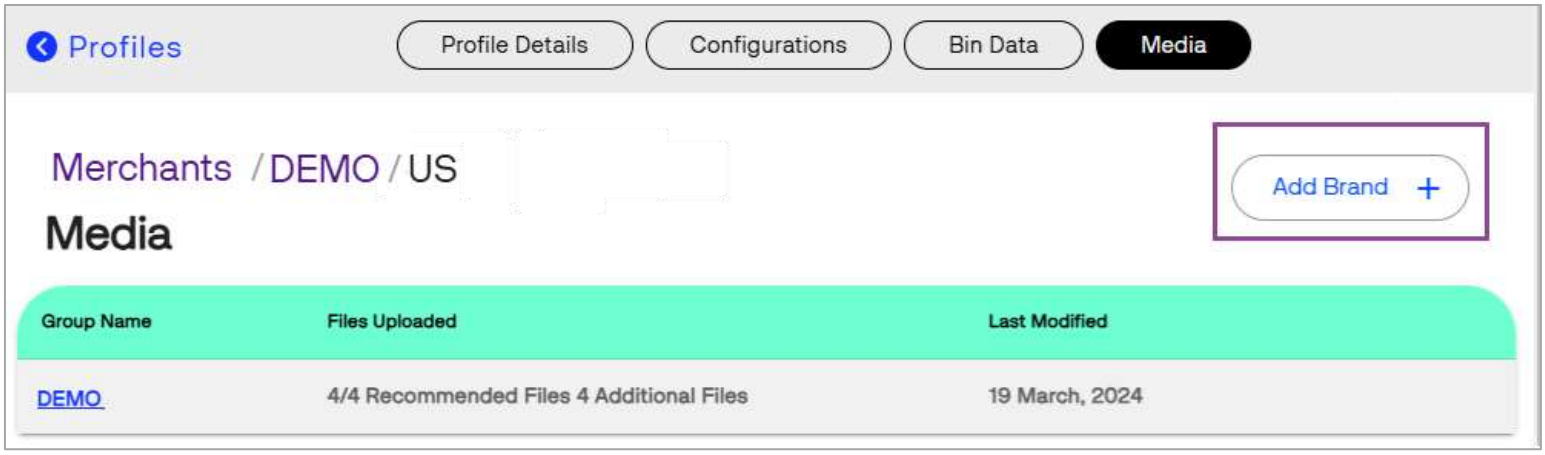
XPI - Media Tab



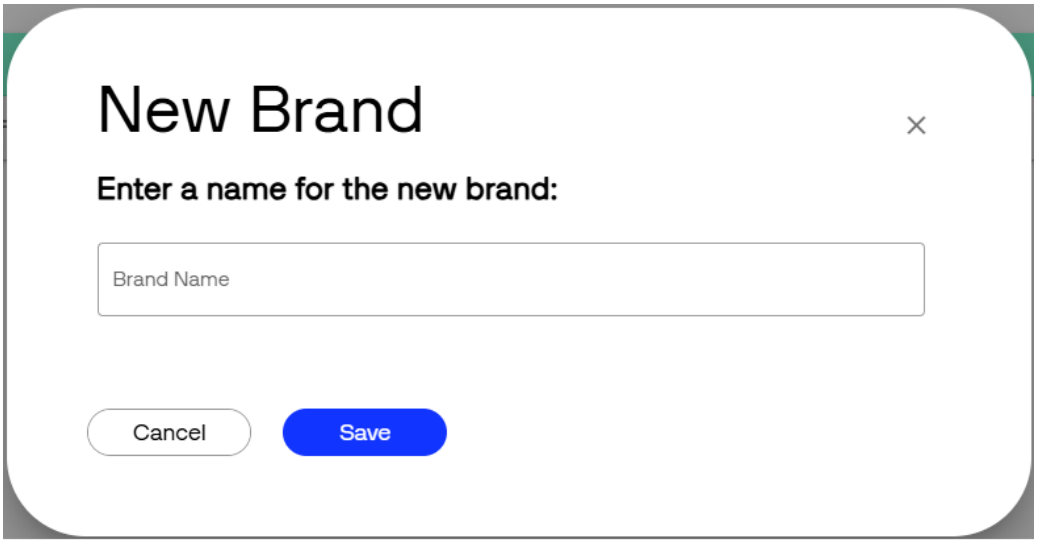
NOTE	Refer to Media Specification guide for more details on the screen resolution and supported file formats.

3. Select **Add Brand +** option to create a new group name to include separate set of media files for the same devices. For example, if a merchant has multiple banners of product in the estate and requires maintaining separate set of media files for each banner within the solution, then this portal provides the option of adding multiple brands for the media files each banner.

© Verifone Inc. All rights reserved.



4. Enter the brand name and click **Save**. The new brand name will be displayed under the Merchant group name and the user can provide the **Recommended** and **Additional files** for the new brand.

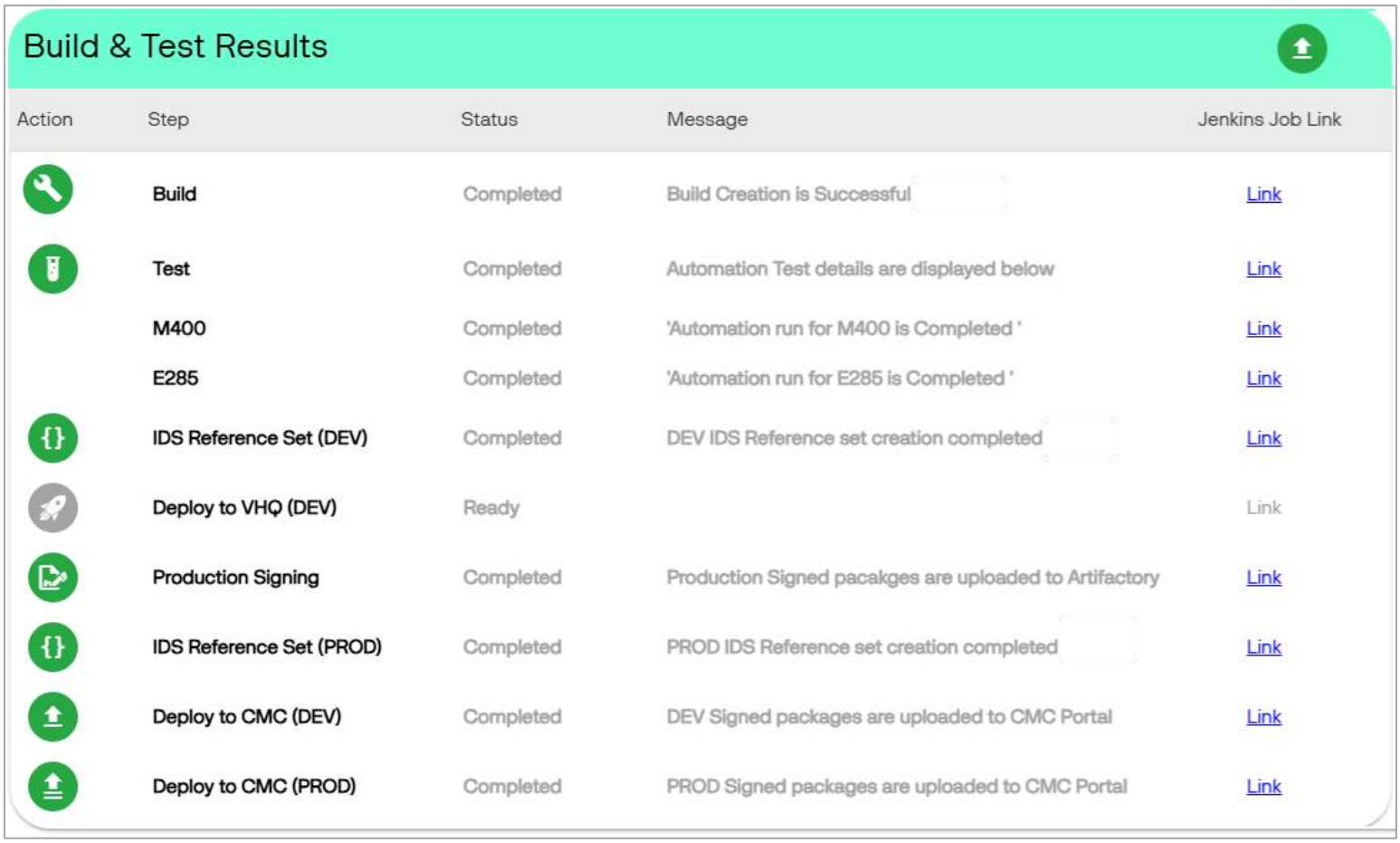


© Verifone Inc. All rights reserved.

Build and Test Results

With the necessary data collected using all the merchant solution configurations, now the portal is ready to build and test the payment application with the configured settings.

Build and test results section of the portal outlines the actions and steps, which are required to perform in an automated way to complete the deployment process.

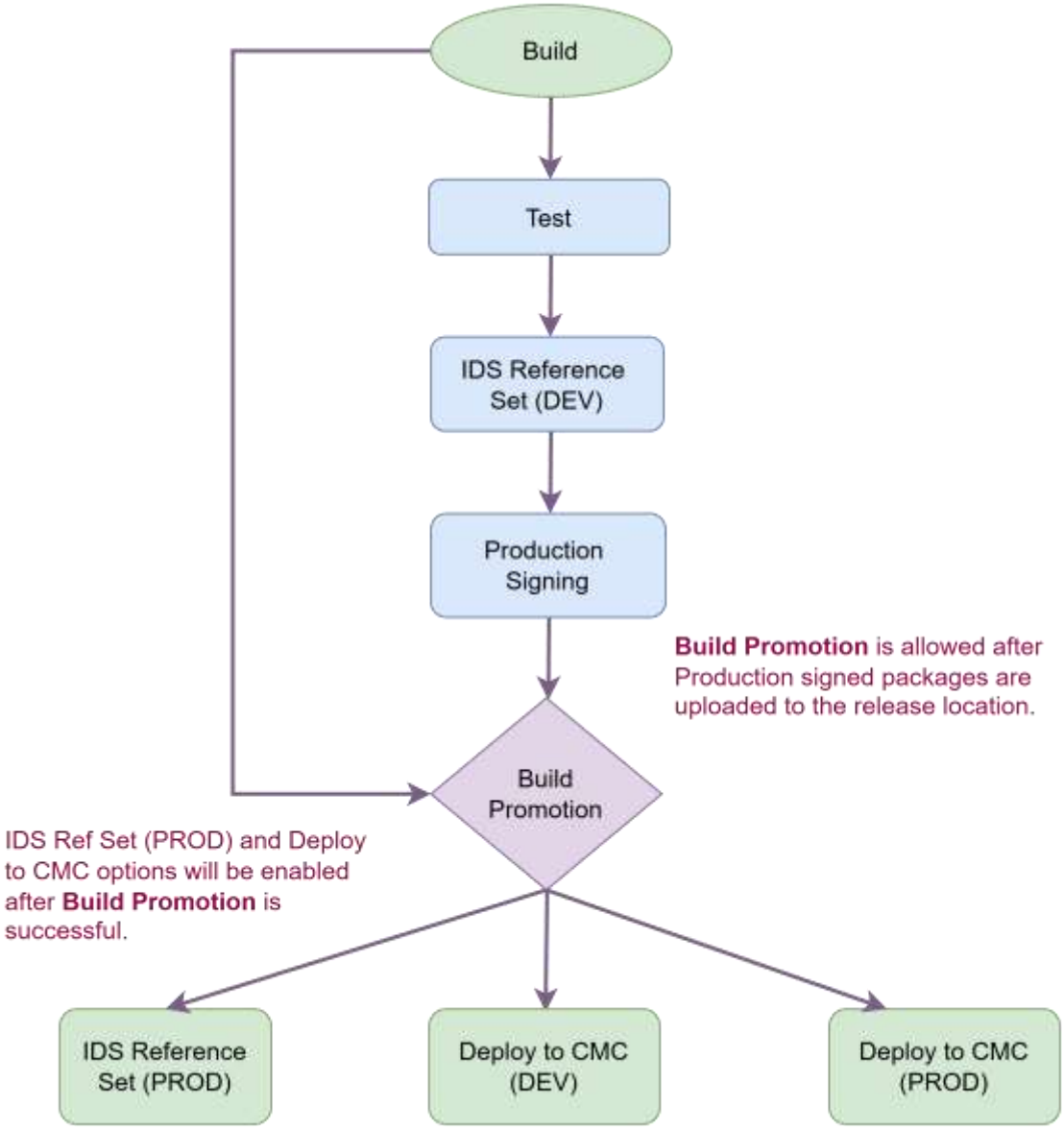


Build & Test Results

Action	Step	Status	Message	Jenkins Job Link
	Build	Completed	Build Creation is Successful	Link
	Test	Completed	Automation Test details are displayed below	Link
	M400	Completed	'Automation run for M400 is Completed '	Link
	E285	Completed	'Automation run for E285 is Completed '	Link
	IDS Reference Set (DEV)	Completed	DEV IDS Reference set creation completed	Link
	Deploy to VHQ (DEV)	Ready		Link
	Production Signing	Completed	Production Signed pacakges are uploaded to Artifactory	Link
	IDS Reference Set (PROD)	Completed	PROD IDS Reference set creation completed	Link
	Deploy to CMC (DEV)	Completed	DEV Signed packages are uploaded to CMC Portal	Link
	Deploy to CMC (PROD)	Completed	PROD Signed packages are uploaded to CMC Portal	Link

© Verifone Inc. All rights reserved.

The illustration on **Build and Test results** provides the steps to be performed sequentially.



NOTE	New merchants without a Sponsor ID will follow the flow up to **Deploy to CMC (DEV)**. The stages **Production Signing**, **IDS Reference Set (PROD)**, and **Deploy to CMC (PROD)** do not apply to these merchants.

© Verifone Inc. All rights reserved.

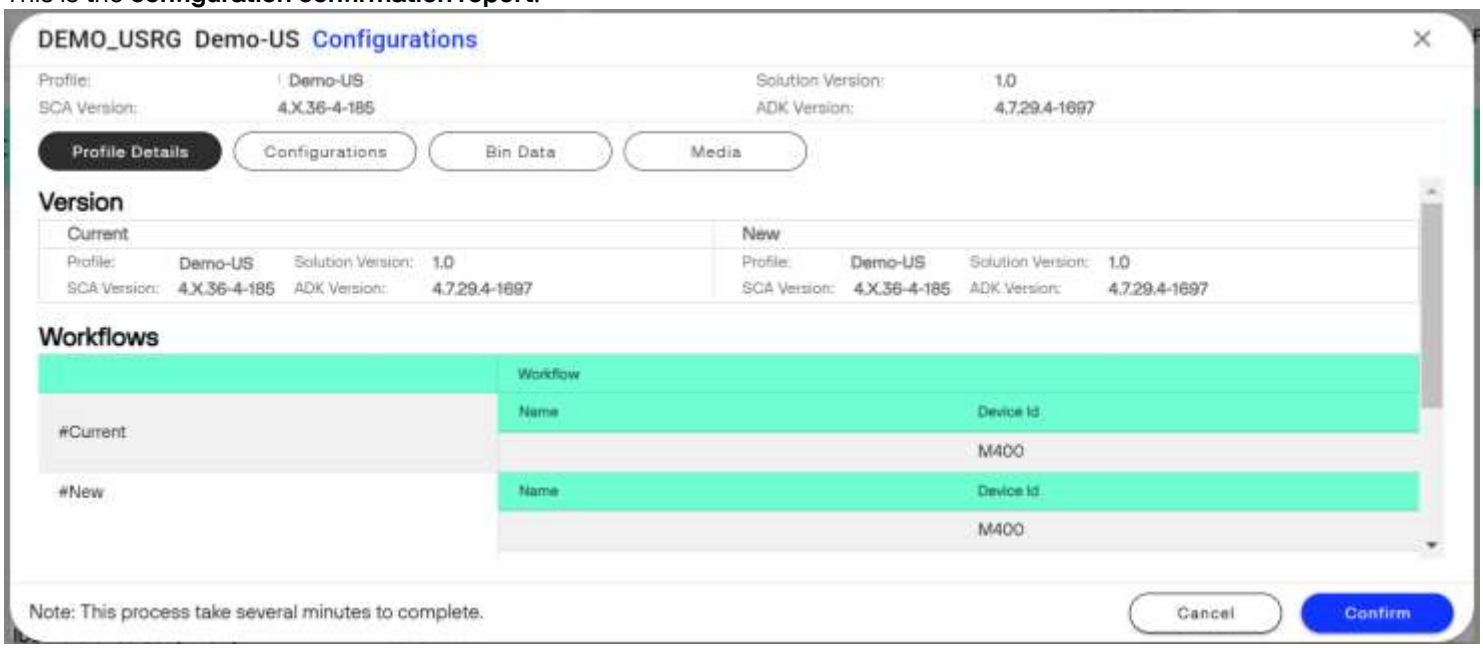
Build

The **Build** action icon is **enabled** and **ready** to trigger.	The **Build** action is in **progress**.	The **Build** action is **completed** successfully.	The **Build** action is **failed**.

Click the **Build** icon, which will be in ready to trigger status, to start building the configuration package and provides the stack of all the required components.

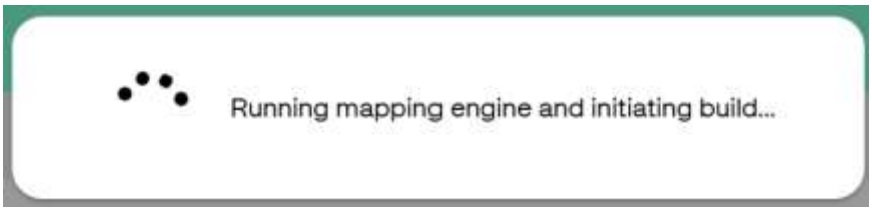
Once the **Build** icon is selected, the portal will fetch a Configuration confirmation report, with the overview of the selected configuration and change comparison.

This is the **configuration confirmation report**.

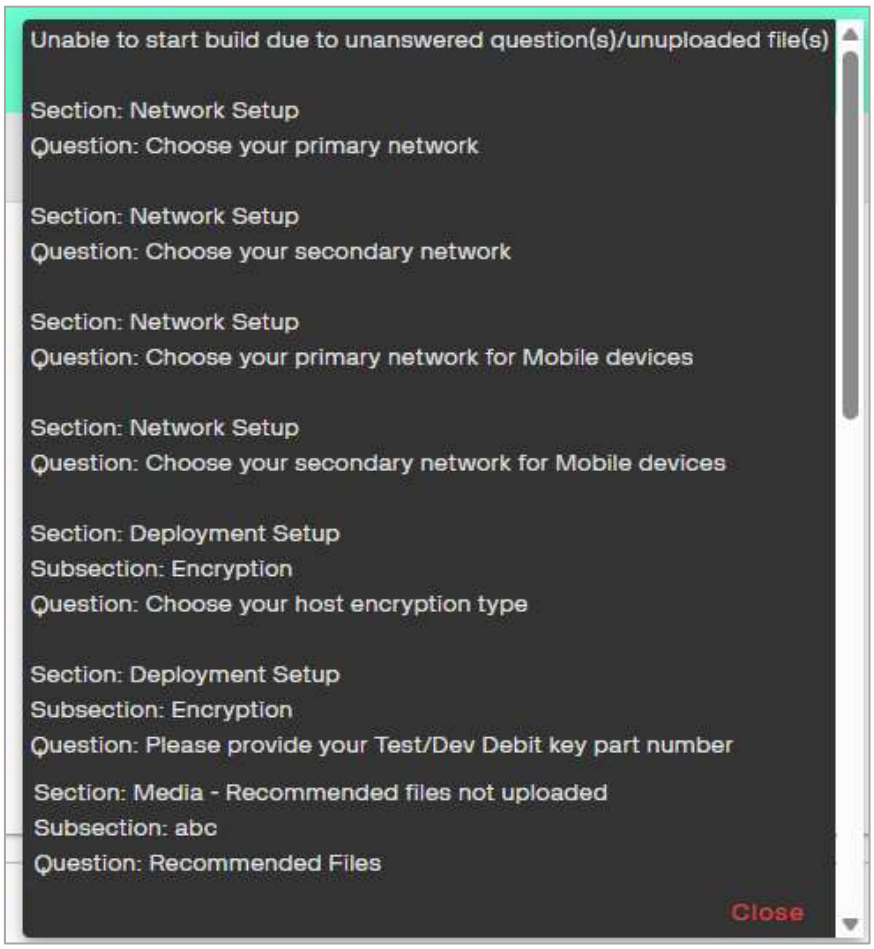


Upon confirming, the **Build** creation process starts as shown below.

© Verifone Inc. All rights reserved.



The portal might be unable to start the **Build** creation process due to some missing details regarding configurations. A list of those missing items is displayed, which is mandatory to provide details for the listed questions and re-trigger the **Build**.



Once the **Build** is successful, the Status column shows "**Completed**" with a message "**Build Creation is Successful.**" Refer to Status Message for Action Icons section for the listed status messages with respect to **Build**.

© Verifone Inc. All rights reserved.

Test

The **Test** action icon is **disabled**.	The **Test** action icon is **enabled** and **ready** to start.	The **Test** action is in **progress**.	The **Test** action is **completed** successfully.	The **Test** action is **failed**.

After the **Build** is successful, the **Test** icon will be **enabled** and **ready** to start. Click the **Test** icon to start the testing process, which will trigger the automation run of predetermined test cases on the device, which is present in Verifone Automation Lab, after loading the entire created stack. This test process will take several hours to complete the full test which is also based on the number of workflows are added.

Once the automation run is completed, it will generate the report, and the report will be shared in the given ticket. Test action section displays the workflows, and the status messages will appear foe each workflow separately.

Refer to Status Message for Action Icons section for the listed status messages with respect to **Test** action.

IDS Reference Set (DEV)

The **IDS Reference Set** action icon is **disabled**.	The **IDS Reference Set** action icon is **enabled** and **ready** to generate.	The **IDS Reference Set** action is in **progress**.	The **IDS Reference Set** action is **completed** successfully.	The **IDS Reference Set** action is **failed**.

IDS Reference Set icon will be enabled once the **Build** is successful, however it is recommended to start the action once **Test** result is completed. Click **IDS Reference Set (Dev)** icon and it would generate new version of the **Reference Set** for the development environment, which is used to deploy the devices from Verifone deployment center. This new version of the **Reference Set** will be published once it is successfully created.

Refer to Status Message for Action Icons section for the listed status messages regarding **IDS Reference Set (DEV)** action.

Deploy to VHQ (DEV)

	Click **Deploy to VHQ** icon to deploy the Build into VHQ instance. *Currently the Build is uploaded to the **NA ADC PROD** instance of the **VHQ Connect** server.* Refer to Status Message for Action Icons section for the listed status messages with respect to **Deploy to VHQ** action.

© Verifone Inc. All rights reserved.

Production Signing

The **Production Signing** action icon is **disabled**.	The **Production Signing** action icon is **enabled** and **ready** to start.	The **Production Signing** action is in **progress**.	The **Production Signing** is **completed** successfully.	The **Production Signing** action is **failed**.

Production File Signing (PFS) action is **enabled** once the **Build** is successful and available.

Click this icon to submit the **Build** for the production signing to either Verifone signing desk or the online signing portal. Once it is submitted, the status will be changed to the *"Production Signing request is submitted"* and it will continue monitoring the signed packages. When the signed packages are available, it will upload those packages to the internal Verifone server, and then it will also upload those packages to the CMC PROD.

NOTE	It is important that the status for **Production File Signing ticket** should be in **Delivered**, so that automation process can select the signed packages to upload them to the internal Verifone server. If the ticket status is Closed, then the automation process might miss to identify the signed packages to upload.

Refer to Status Message for Action Icons section for the listed status messages with respect to **Production File Signing** action.

Build Promotion

The **Build Promotion** action icon is **disabled**.	The **Build Promotion** action icon is **enabled** and **ready** to trigger.	The **Build Promotion** action is in **progress**.	The **Build Promotion** is **completed** successfully.	The **Build Promotion** action is **failed**.

Build Promotion action will be **enabled** and **ready** to trigger, once the Production Signing is complete and upload those packages to the internal Verifone server.

Click **Build Promotion** icon in the right corner of **Build and Test Results** screen as the **Build** has been completed the automated process of testing and internal testing by the user. It will be promoted to the release location on the Verifone server.

Refer to Status Message for Action Icons section for the listed status messages on **Build Promotion** action.

© Verifone Inc. All rights reserved.

Deploy to CMC (DEV)

The **Deploy to CMC (DEV)** action icon is **disabled**.	The **Deploy to CMC (DEV)** action icon is **enabled** and **ready** to start.	The **Deploy to CMC (DEV)** action is in **progress**.	The **Deploy to CMC (DEV)** is **completed** successfully.	The **Deploy to CMC (DEV)** action is **failed**.

Deploy to CMC (DEV) action will be **enabled** and **ready** to start, once the **Build Promotion** is completed.

Click **Deploy to CMC (DEV)** icon to upload the DEV packages into the CMC and share the downloadable link from the CMC on the ticket.

Refer to Status Message for Action Icons section for the listed status messages on **Deploy to CMC (DEV)** action.

IDS Reference Set (PROD)

The **IDS Reference Set (PROD)** action icon is **disabled**.	The **IDS Reference Set (PROD)** action icon is **enabled** and **ready** to trigger.	The **IDS Reference Set (PROD)** action is in **progress**.	The **IDS Reference Set** action **(PROD)** is **completed** successfully.	The **IDS Reference Set (PROD)** action is **failed**.

IDS Reference Set (PROD) action will be **enabled** and **ready** to start, once the **Build Promotion** is completed.

Click **IDS Reference Set (PROD)** icon and it would generate new version of the **Reference Set** for production environment, which is used to deploy the devices from Verifone deployment center. This new version of the reference set will be published once it is successfully created.

Refer to Status Message for Action Icons section for the listed status messages on **IDS Reference Set (PROD)** action.

© Verifone Inc. All rights reserved.

Deploy to CMC (PROD)

The **Deploy to CMC (PROD)** action icon is **disabled**.	The **Deploy to CMC (PROD)** action is in **progress**.	The **Deploy to CMC (PROD)** action is **completed** successfully.	The **Deploy to CMC (PROD)** action is **failed**.

Deploy to CMC (PROD) action icon status will change from **disabled** to **in progress**, when the signed packages are available. Once the production packages are available, it will automatically upload to the CMC portal for the production environment.

In case, if the particular job has failed to upload PROD Signed packages to CMC Portal, then click **Deploy to CMC (PROD)** icon to upload these PROD packages. After it is uploaded successfully, a downloadable link from the CMC portal is shared on the ticket.

Refer to Status Message for Action Icons section for the listed status messages on **Deploy to CMC (PROD)** action.

Jenkins Job Link

Link	This is the link for the Jenkins Job Console output report page, which is provided for each action. This is for Verifone internal users to troubleshoot if there is any error with any of the jobs. Click the link to view the Console output report for that particular action, analyse the report in occurrence of any error message and take the required action, if it is feasible. For further assistance, please reach out to MSR support team.

© Verifone Inc. All rights reserved.

Status Message for Action Icons

This table provides the possible messages, which are displayed for the Build and Test results status.

Actions	Messages	Comments
Build	Build Creation has failed. Build Creation in progress. Build Creation is cancelled. Build Creation is successful.	In case of Failed status message, it is recommended to analyse the failure reason, then take the necessary action (if related to configuration) and re- trigger the build. For further support, please reach out to MSR support team. In case of Cancelled status message, please reach out to MSR support team.
Test	Automation test execution is being triggered. Automation test execution has failed. Automation test execution is cancelled. Automation test details are displayed below	In case of Failed or Cancelled status message, please reach out to MSR support team.
Following messages on **Test action** are based on the **Workflow Models**, when the Automation test execution is completed:	• Automation run is not supported for model: (Device name) • Automation test execution is triggered successfully for model:(Device name) with ADKVersion:(version number) • Automation run is not supported for model:(Device name) with ADKVersion:(version number) • Automation run aborted. • Automation environment setup for (Model) is not present with this ADK:(version number) • (Model) Terminal Set Up is in progress for Automation Test Execution • (Model) Terminal Set Up is completed for Automation Test Execution • Automation Test Execution for (Model) is going to get started now. • Automation Test Execution for (Model) is in Progress • Automation Test Execution for (Model) is completed. • Automation Test Execution for (Model) is failed. • Automation Test Execution for (Model) is aborted.	
IDS Reference Set (DEV)	DEV IDS Reference set creation in progress. DEV IDS Reference set creation has failed. DEV IDS Reference set creation aborted. DEV IDS Reference set creation completed.	In case of Failed or Cancelled status message, please reach out to MSR support team.
Deploy to VHQ (DEV)	VHQ Packages upload in progress. Build Deployment to VHQ is completed. Build Deployment to VHQ has failed. Build Deployment to VHQ is aborted.	In case of Failed or Cancelled status message, please reach out to MSR support team.

© Verifone Inc. All rights reserved.

Actions	Messages	Comments
Production Signing	Production Signing request is in progress. Production Signing request is submitted. Production Signing request has failed. Production Signing request is aborted. Production signed packages upload to Artifactory has failed. Production signed packages upload to Artifactory is aborted. Production signed packages are uploaded to Artifactory.	In case of Failed or Cancelled status message, please reach out to MSR support team.
Build Promotion	Build Promotion from (Source Repo) to (Destination Repo) in progress Build promotion from (Source Repo) to (Destination Repo) is completed. Build promotion from (Source Repo) to (Destination Repo) is failed. Build promotion from (Source Repo) to (Destination Repo) is aborted.	In case of Failed or Cancelled status message, please reach out to MSR support team.
Deploy to CMC (DEV)	DEV Signed packages upload to CMC Portal in progress. DEV Signed packages upload to CMC Portal has failed. DEV Signed packages upload to CMC Portal is aborted. DEV Signed packages are uploaded to CMC portal.	In case of Failed or Cancelled status message, please reach out to MSR support team.
IDS Reference Set (PROD)	PROD IDS Reference set creation in progress. PROD IDS Reference set creation has failed. PROD IDS Reference set creation aborted. PROD IDS Reference set creation completed.	In case of Failed or Cancelled status message, please reach out to MSR support team.
Deploy to CMC (PROD)	PROD Signed packages upload to CMC Portal in progress. PROD Signed packages upload to CMC Portal has failed. PROD Signed packages upload to CMC Portal is aborted. PROD Signed packages are uploaded to CMC portal.	In case of Failed or Cancelled status message, please reach out to MSR support team.

© Verifone Inc. All rights reserved.

Custom Configuration Questionnaire

This section outlines the interactive questionnaire designed to capture all configurable aspects of the application. The Custom Configuration Questionnaire plays an essential role in collecting the information required to build a customised solution. The questionnaire is categorized based on application as – SCA and XPI – and within each category, it is further divided into multiple sections. These sections align with various setup configurations, payment flows, and other key application features, ensuring comprehensive coverage of all possible configuration options.

SCA Application

Application Setup

Questions	Given Values and Default	Description
Do you want to build a demo configuration?	Radio button: **Yes** **No** (Default)	Select the option if you want to run the application in a training mode/demo mode in your device.
Semi Integrated or Standalone?	Dropdown Options: **Standalone** **Semi Integrated** (Default)	Select the mode of Solution. **Semi-Integrated** model has a payment application that connects directly to the payment host on the terminal. The POS uses an API/command to request payment authorization via the payment application on the terminal. **Standalone** model has a payment application that connects directly to the payment host on the terminal. The payment authorization has been initiated by the cashier manually on the terminal.
Select your application type	Dropdown Options: **Retail** (Default) **Restaurant** **Pay at the Table** **Banking**	Select the application type for industries. **NOTE: Pay at the Table** and **Banking** types are supported for specific processors.
Which payment commands will you support?	Checkbox Options: **Sale**, **Refund**, **Void**, **Post Auth/Force**, **Pre-Auth**, **Pre-Auth Completion**, **Token Query**, **Balance Inquiry**	Select the required payment commands, which will be supported in the application.
Which Gift Management Commands Will You Use?	Checkbox Options: **Activate**, **Deactivate**, **Balance Inquiry**, **Add Value, Gift Close/Cashout**	Select the required Gift commands, which will be supported in the application. **NOTE:** This questionnaire appears, only if Gift tender type is being selected during Profile creation.
Which device commands do you want to support?	Check box Options: **Loyalty Capture**, **Customer Question**, **Customer Survey (5 or 10)**, **Charity Donation**, **Quick Credit**	Select the required device commands, which will be supported in the application. DEVICE commands are intended for non-payment purposes and are used outside of payment transactions.

© Verifone Inc. All rights reserved.

Questions	Given Values and Default	Description
	Application, **Customer Buttons**, **Display Message**, **Display Image**, **Get Card Data**, **Check Box**, **Signature Capture**, **Signature Capture Expanded**, **Lane Closed**	
Select application primary language	Dropdown Options: **English** (Default) **French** **Spanish**	Select the language to display on the device for the users to operate.

Payment Flow

Questions	Given Values	Description
Do you require support for Loyalty?	Radio button: **Yes** **No** (Default)	Select the option, if you want to capture customer loyalty details as part of the Sale transaction flow.
If you select **Yes**, then the following question will appear:		
Do you want prompt for both phone and card for loyalty?	Radio button: **Yes** **No** (Default)	Select the option, if you want to see both Phone and Card prompt for the Loyalty details as part of the Sale transaction flow.
Do you require support for Tip prompting?	Radio button: **Yes** **No** (Default)	Select the option, if you want to capture Tip from the customer as part of the sale transaction flow.
If you select **Yes**, then the following questions will appear:		
How long does the device need wait on the tip screen before getting timeout?	Default: **120**	Provide the time duration for the device to wait on the on the tip screen before it times out. The maximum length of duration is 500.
Do you want to support Tip prompting for Gift transactions?	Radio button: **Yes** **No** (Default)	Select the option, if you want to support prompting for Tip in Gift card transactions.
What Type of Tip Prompting would you like?	Dropdown Options: **Percentages** **Amounts**	Select the option, which you want to set for the Tip prompt.
If you select **Percentages**, then the Tip percentage prompts are displayed.		
Enter first Tip amount in pennies	Default: **10%**	Provide the first Tip percentage.
Enter second Tip amount in pennies	Default: **15%**	Provide the second Tip percentage.

© Verifone Inc. All rights reserved.

Questions		Given Values	Description
	Enter third Tip amount in pennies	Default: **20%**	Provide the third Tip percentage.
	Enter fourth Tip amount in pennies	Default: **25%**	Provide the fourth Tip percentage.
	Maximum tip percentage allowed		Set the maximum allowed Tip percentage.
	If you select **Amounts**, then the Tip amount in pennies prompts are displayed.		
	Enter first Tip amount in pennies	**<Textbox>**	Provide the first Tip amount.
	Enter second Tip amount in pennies	**<Textbox>**	Provide the second Tip amount.
	Enter third Tip amount in pennies	**<Textbox>**	Provide the third Tip amount.
	Enter fourth Tip amount in pennies	**<Textbox>**	Provide the fourth Tip amount.
	Enter maximum tip amount allowed in pennies	**<Textbox>**	Set the maximum allowed Tip amount.
	Any other tip use cases/scenarios required (adjustments, etc.)?	Radio button: **Yes** **No** (Default)	Select the option, if you want to configure any other required tip use cases/scenarios.
	If **Yes**, then the message to display **"Call XXXX at 000-0000 to help you get this set up".**		
	Do you want to enable Tip Adjust?	Dropdown Options: **Yes** **No** (Default)	Select the option, if you want to enable Tip adjustment.
Do you require support for Cash Back prompting?		Radio button: **Yes** **No** (Default)	Select the option, if you want to see Cashback prompt as part of the Sale transaction flow. **NOTE:** Cash Back prompt is applicable only if Debit tender is selected.
If you select **Yes**, then the following questions will appear:			
	Enter first Cashback amount in pennies		Set the first option for Cashback amount. If you enter 1000, then the amount would be a cashback of $10.00.
	Enter second Cashback amount in pennies		Set the second option for Cashback amount. If you enter 1000, then the amount would be a cashback of $10.00.
	Enter third Cashback amount in pennies		Set the third option for Cashback amount. If you enter 1000, then the amount would be a cashback of $10.00.
	Do you want provide option for user entered Cashback?	Radio button: **Yes** (Default) **No**	Select the option, if you want to provide an option to the customer to enter the cashback amount.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Do you have a Cashback Limit (customer cannot exceed)?	Radio button: **Yes** **No** (Default)	If you select Yes, then select the next option, if you have any limit on cashback to restrict the customer while entering the cashback amount.
Please enter the cash back limit in pennies	**<Textbox>**	If you select **Yes** for having cashback limit, then provide the cashback limit amount in cents. If you enter 10000, then the cashback limit would be amount of $100.00.
Do you want Cashback prompt to be password protected?	Radio button: **Yes** **No** (Default)	Select the option, if you want the application to prompt for entering a valid password upon exceeding the cashback limit.
Do you want to support Pay with Points (Premium Payback)?	Radio button: **Yes** **No** (Default)	Select the option, if you want support Pay with Points option, where the processor offers instant rewards to the cardholders on their current transaction directly through merchants as a discount on their purchase.
Do you require support for using multiple tenders for single transaction?	Radio button: **Yes** **No** (Default)	Select the option, if you want to see the split tender prompt as part of the Sale transaction flow.
Do you require support for displaying the 'Amount Confirmation' prompt on each transaction for customer to acknowledge amount being charged?	Radio button: **Yes** **No** (Default)	Select the option, if you want to enable the amount confirmation prompt as part of the Sale transaction flow.
Do you require support for Partial Authorization?	Radio button: **Yes** (Default) **No**	Select the option, if you want to support the Partial Authorization of the transaction.
If you select **Yes**, the following question will appear:		
Do you want the Terminal to display the Partial Authorization confirmation screen?	Radio button: **Yes** **No** (Default)	Select the option, if you want to take the Partial Authorization confirmation from the customer.
Do you want to support signature capture as part of transaction flow?	Radio button: **Yes** **No** (Default)	Select the option, if you want to capture the signature capture from the user as part of the sale transaction flow.
If you select **Yes**, the following question will appear:		
Dollar amount (whole dollar) over which signature must be obtained	**<Textbox>**	Set the transaction limit, where signature should be obtained when the limit exceeds. If you enter 2500, then the signature limit would be $25.00.
In what image format should the signature data be sent?	Dropdown Options: **BMP** **TIFF** **3BA** **PNG** (Default)	Select the image format that you would like to save the signature data. **NOTE:** TIFF file format is not supported on Android based devices.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
How do you want to handle invoice?	Dropdown Options: **Prompted on Terminal** **Auto Generated** (Default)	Select the option, if you want to generate the invoice with prompts on the terminal or auto generated.
Do you want password prompt for manual entry?	Radio button: **Yes** **No** (Default)	Select the option, if you want password prompt for manual entry transaction flow.

Card Configuration

Questions	Given Values	Description
Select your payment preference	Dropdown Options: **Neutral** **Debit Preferred** **Credit Preferred** **Credit Only**	These options are displayed based on the selected Tender. The option will set the EMV Configuration as per description. **Neutral** - Credit, Debit and no smart routing. Routing decision is based on PIN entry for US common debit. PIN bypass will be turned ON and security limit will be 0. **Debit Preferred -** Credit, Debit and no smart routing. Dual cards will select US Common, however will process as PIN transaction. There will be no PIN bypass and security limit will be 0. **Credit Preferred -** Credit, Debit and Smart routing. Dual cards with US common will select US common and send it as PIN less. Security limit will be set to very high for US Common debit. **Credit Only -** There will not be any pure Debit AIDs, and no keys on the device. US Common will process as PIN less and security limit will be 99999999.
Which AIDs do you want to support?	**Checkbox Options, example:** **A0000000031010[VISA CREDIT]** **A0000000032010[VISA CREDIT]** **A0000000033010[VISA DEBIT]** etc.	Select from the list of EMV AIDs, that you want to support/accept in your solution. **NOTE:** EMV AIDs will be displayed based on the selected payment preferences.
If US Common AIDs are present on the card, would you like to Auto Select those AIDs?	Radio button: **Yes** **No**	Select the option, for auto selecting the US Common AIDs over global AIDs, which are present on the card.
For EMV Insert, what do you want to set your limit to for verifying card? Enter amount in cents	Default: **99999999**	Set the CVM limit for EMV Contact mode of transaction. Example, setting the limit of 1000, means in case of any transaction below $10.00, no CVM will get applied and no PIN/Signature will be prompted. Following limits are recommended values, based on the above selected Payment Preferences, like: Neutral – 0 Debit Preferred – 0

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
		Credit Preferred – max 99999999 Credit Only – max 99999999
For EMV Contactless/Tap, what do you want to set your limit to for verifying card? Enter amount in cents	Default: **99999999**	Set the CVM limit for EMV Contactless mode of transaction. Example, setting the limit of 1000, means in case of any transaction below $10.00, no CVM will get applied and no PIN/Signature will be prompted. Following limits are recommended values, based on the above selected Payment Preferences, like: Neutral – 0 Debit Preferred – 0 Credit Preferred – max 99999999 Credit Only – max 99999999
What will be your configured Contactless Tap Limit? Enter amount in cents	Default: **99999999**	Set the maximum transaction limit for EMV Contactless transaction.
For card insertion failure, how many retries will you permit before returning an error?	Default: **3**	Set the number of retries for card insertion failure, that you want to allow before returning any error. The maximum limit is set to 3 times.
For card tap failure, how many retries will you permit before returning an error?	Default: **3**	Set the number of retries for card tap failure, that you want to allow before returning any error. The maximum limit is set to 3 times.
For card swipe failure, how many retries will you permit before returning an error?	Default: **2**	Set the number of retries for card swipe failure, that you want to allow before returning any error.
Do you want to update Payment Media from card data?	Radio button: **Yes** **No**	Select the option, if you want to prefer the card label value from the BIN table (PMEBIN.DB) over the value that returns in the Host response.
Select your address verification mode	Dropdown Options: **None** **Zip Only** **Address Only** **Both Address and Zip**	Select the option, if you want to have AVS prompts as part of the manual transaction flow. **None** – No prompts **Zip Only –** Prompt for zip code only. **Address Only -** Prompt for address only. **Both Address and Zip –** Prompt for both zip and address.
Do you want to validate CVV for manual entry transactions? Transaction will be voided if there is a mismatch	Radio button: **Yes** **No**	Select the option, if you want to application to honor the CVV validation result from the Host. In case of mismatch Transaction will be voided.
Do you want to allow CVV entry to be bypassed?	Radio button: **Yes** **No**	Select the option, if you want to allow the CVV prompt bypassed for the manual/keyed transactions.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Do you want to prompt expiry date for manual entry transactions?	Radio button: **Yes** **No**	Select the option, if you want to capture the expiry date in manual transactions.
Will you allow EMV cards to be swiped in case of insert or tap errors?	Radio button: **Yes** **No**	Select the option, if you wanted to allow the fall back to swipe in case of EMV chip read errors.
Will you allow EMV cards to be swiped if there is no suitable application on it?	Radio button: **Yes** **No**	Select the option, if you wanted to allow the fall back to swipe in case, there is no commonly supported application between terminal and EMV card.
Do you want to send accurate card entry mode to processor in an EMV fallback scenario?	Radio button: **Yes** **No**	Select the option, if there is a requirement to send accurate card entry mode as “FSwipe” to the Host for an EMV fallback transaction.

Solution Features

General

Questions	Given Values	Description
What should the type of media on the Idle Screen be?	Dropdown Options: **Image** (Default) **Animation** **Video**	Select the option for the type of media, that you want to display or run on the Idle Screen.
Will you support Line Item Display?	Radio button: **Yes** **No** (Default)	Select the option, if you want to support displaying the Line Items.
Select Line Item Mode	Dropdown Options: **Split Screen** **Full Screen**	Select the option for the mode of line items, if you opted for Line item display. **Split Screen** - Line-Item screen with advertisement area is displayed. **Full Screen** – Line-Item screen without advertisement

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
		area is displayed.
Will you support Swipe Ahead configuration?	Radio button: **Yes** (Default) **No**	Select the option, if you want to have the provision to card details before the amount is finalized. (Prior sending the payment transaction).
Do you want to support Barcode Scanning?	Radio button: **Yes** **No** (Default)	Select the option, if you want to support the Barcode Scanning.
Do you want to enable Card Tokenization?	Radio button: **Yes** **No** (Default)	Select the option, if you want to enable the card tokens for your solution.
If you select **Yes**, then following question will appear:		
Who should generate the tokens?	Dropdown Options: **PWC** **End Processor**	Select the option to decide the tokenization service source. **NOTE:** This question is applicable for SCA UGP and GSC processors only.
Do you want to disable tokens for Gift and Merchandise Credit?	Radio button: **Yes** **No** (Default)	Select the option, if you want to disable tokens for Gift and Merchandise Credit transaction.
Do you want to skip card prompt for voice approval after a declined sale transaction in the same session?	Radio button: **Yes** (Default) **No**	Select the option, if you want the application to store the card details from declined sale transaction and use the same for the post auth transaction (voice approval) that comes from the POS within the same session.
Do you want to enable CVV prompt for manual refund transactions?	Radio button: **Yes** **No** (Default)	Select the option, if you want to capture the CVV for manual/keyed refund transactions.
Do you want to enable CVV prompt for manual Token Query transactions	Radio button: **Yes** **No** (Default)	Select the option, if you want to capture the CVV for manual/keyed Token Query transactions.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Should we treat manual transactions by default as card present?	Radio button: **Yes** (Default) **No**	Select the option, if you want to send every keyed transaction as card present transaction to the processors.
Do you want terminal to initiate settlement at a specific time of the day?	Radio button: **Yes** **No** (Default)	Select the option, if you want device to initiate settlement request with the processors at a specific time of the day.
How do you want to detect duplicate transaction?	Dropdown Options: **Don't Match** (Default) **Match with Last Transaction** **Match with All Transaction**	Select the option, if you want to enable the duplicate check in the application. **Don't Match** – Do not enable duplicate check in the application. **Match with Last Transaction** – Duplicate check against the Last Transaction. **Match with All Transaction** - Duplicate check against all Transaction.
If you select **Match with Last Transaction** and **Match with All Transaction**, then the following question will appear:		
Do you want to enable the amount checking for duplicate transactions?	Radio button: **Yes** **No** (Default)	Select the option, if you want to enable the amount checking for duplicate application.
Do you want to show reversal processing UI on terminal ?	Radio button: **Yes** (Default) **No**	Select the option, if you want display reversal processing UI on terminal.
Will you support prompting for voice approval based on processor response?	Radio button: **Yes** **No** (Default)	Select the option, if you want to prompt for voice approval based on processor response.
Will you support two-piece solution ?	Radio button: **Yes** **No** (Default)	Select the option, if you want to support two-piece solution. Two-piece solution is Verifone Drive Thru solution which is used for minimizing the contact between Drive Thru customers and counter representatives during the payment process. Two-piece solution is applicable for Semi integrated and Standalone in a different format. **Semi Integrated Solution** - Two devices (UX and Engage) are used for this solution, where UX device will be with XPI and Engage device will be with SCA. **Standalone Solution** - Two devices (both Engage) are used for this solution, where EPP device will be with XPI and IPP device will be with SCA.
If you select **Yes**, then following question will appear for Standalone Solution:		

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Do you want to enable card readers for IPP and EPP on the two-piece solution.	Radio button: **Yes** **No** (Default)	Select the option, if you want to enable card readers for IPP and EPP on the two-piece solution.
Do you want to enable online refund indicator ?	Radio button: **Yes** (Default) **No**	Select the option, if you want to enable online refund indicator.
Choose the macing mode	Dropdown Options: **No MAC** (Default) **DUKPT MAC** **Interac MAC**	Select the MAC verification mode from the dropdown list.
Do you have requirement for non-Credit Debit transactions through RTS?	Dropdown Options: **None** (Default) **Only Check** **Only Private Label** **Both Check and Private Label**	
Do you have any custom TEST parameters to be set? Please enter a single key=value pair in each line below the [reg] line	Example: [reg]DEVICESECONDPORTENABLED=N	Enter the required parameter(s) with single key value, if you want to configure any other functionality, which is not mentioned as a part of the questionnaire.
Do you have custom PROD parameters that are different from the custom TEST parameters?	Radio button: **Yes** **No** (Default)	Select the option, if you want to have any functionality different in PROD compared to Lab configuration. If you select **No**, then custom TEST parameters, which is set, will be added to PROD configuration.
If you select **Yes**, then enter the following details:		
Please enter custom PROD parameters as a single key=value pair in each line below the [reg] line	<Textbox>	Enter the required PROD parameter(s), if you want to have any functionality different in PROD compared to Lab configuration.
Do you have any custom TEST parameters to be removed? Please enter a single key in each line	<Textbox>	Enter the required TEST parameter(s), if you need to remove due to not being supported by the selected solution. Proceeding with the parameters, which are not supported, will restrict the build generation process with an error message. The unsupported parameter name will be present in that error message.
Do you want to remove any PROD parameters that are different from those to be removed from TEST parameters mentioned above?	Radio button: **Yes** **No** (Default)	Select the option, if you need to remove any PROD parameters that are different from those to be removed from TEST parameters mentioned above. If you select **No**, then the custom TEST parameters from the above list, will be removed from PROD configuration.
If you select **Yes**, then enter the following details:		

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Please enter the PROD parameters as a single key value in each line, for example - reg/UGPPASSTHRUSUPPOR	<Textbox>	Enter the required PROD parameter(s), if you need to remove due to not being supported by the selected solution. Proceeding with the parameters, which are not supported, will restrict the build generation process with an error message. The unsupported parameter name will be present in that error message.
Will you support DCC (Dynamic Currency Conversion), allowing the customer to pay using their preferred currency?	Radio button: **Yes** **No** (Default)	Select the option, if you want to support DCC for the solution.
If you select **Yes**, then following question will appear:		
What is the DEV DCC Merchant ID?	**<Textbox>**	Provide the DCC Merchant ID for DEV environment.
What is the PROD DCC Merchant ID?	**<Textbox>**	Provide the DCC Merchant ID for PROD environment.
What is the DEV DCC Acquirer Name?	**<Textbox>**	Provide the DCC Acquirer Name for DEV environment.
What is the PROD DCC Acquirer Name?	**<Textbox>**	Provide the DCC Acquirer Name for DEV environment.
Enter the convenience margin (in percentage) for supporting dynamic currency conversion?	**<Textbox>**	Enter the convenience margin for supporting the dynamic currency conversion.

© Verifone Inc. All rights reserved.

Store and Forward

Questions	Given Values	Description
Will you support Store and Forward Configuration?	Radio button: **Yes** **No** (Default)	Select the option, if you want to support the Store and Forward feature. **Store and Forward** (**SAF**) - ability for payment application to approve the transaction with predefined eligibility check in case of communication errors with the Host.
Will you allow Refund to SAF?	Radio button: **Yes** (Default) **No**	Select the option if you want application to allow SAF for Refund transaction.
Will you allow Void to SAF?	Radio button: **Yes** **No** (Default)	Select the option, if you want application to allow SAF for Void Transaction.
Will you allow Gift Transactions to SAF?	Radio button: **Yes** **No** (Default)	Select the option, if you want application to allow SAF for Gift transaction.
Will you allow Gift Activate to SAF?	Radio button: **Yes** **No** (Default)	Select the option, if you want application to allow SAF for Gift card Activate transaction.
Will you allow Private Label Transactions to SAF?	Radio button: **Yes** **No** (Default)	Select the option, if you want application to allow SAF Private Label transaction.
Will you allow PreAuth to SAF?	Radio button: **Yes** **No** (Default)	Select the option, if you want application to allow SAF for Pre-Authorization transaction.
Will you allow Payment on Account transactions for PLCC/CBCC to be placed into SAF?	Radio button: **Yes** **No** (Default)	Select the option, if you want application to allow SAF for Payment on Account transactions for PLCC/CBCC.
Will you allow Completion to SAF?	Radio button: **Yes** **No** (Default)	Select the option, if you want application to allow SAF for Completion transaction.
What is the maximum transaction amount you would like to set for offline approval? Enter amount in pennies	Default: **25000**	Set the transaction offline floor limit.
Do you want to apply that same per transaction limit above to Refund transactions?	Radio button: **Yes** (Default) **No**	Select the option if you want application to apply the transaction offline floor limit check for refund transaction. Selecting **Yes** means the application will not approve the refund transaction if the amount is greater that transaction floor limit in case of offline scenario.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
What is the maximum value of offline approved transactions that may be in SAF at one time? Enter amount in pennies	Default: **500000**	Set the total transaction offline floor limit. This is the maximum value of the sum of all the eligible offline approved transactions at any point of time.
Will you allow SAF transaction to be sent to the processor at the same time as live online transactions?	Radio button: **Yes** **No** (Default)	Select the option, if the processing host is able to handle processing of online and forward of offline approved concurrently.
What is the total number of transactions that can be stored in the SAF queue on the device before sending to the processor (if set to 0 there will be no limit)	Default: **0**	Set the limit for the total number of transactions that can be approved offline by the application in case of communication error.
How many total days will you allow SAF transactions to remain in the SAF queue on the terminal? Once this limit is reached, no additional SAF transactions will get approved.	Default: **7**	Set the threshold of number of days that device can remind in offline mode continuously.
Do you want to allow retry of duplicate SAF Transactions?	Radio button: **Yes** **No** (Default)	Select the option, if you want to retry the forward of SAF transaction if it gets decline due to duplicate transaction.
How many total days will you allow processed (approved/declined) SAF transactions to remain on the terminal?	Default: **15**	Set the maximum days that you want to have processed SAF transaction remain on the device before it gets purged.
How many minutes do you want in between successive pings from the device to gateway?	Default: **2**	Set the SAF ping interval that determines the frequency of connectivity check with the host, once the device is in offline mode.
How many minutes do you want in between successive SAF transaction forwards?	Default: **5**	Set the SAF post interval that determines the frequency of forwarding of successive SAF transactions once the connection with the host is restored.
Do you want to enable SAF Throttling?	Radio button: **Yes** **No** (Default)	Select the option, if you want to throttle the SAF forwarding once the connection is restored. This is to ensure all the devices in the estate are not hitting the host at the same time, once the connection is restored.
How many times would you like to retry posting deferred transactions?	Default: **3**	Set the limit of retries to post the SAF transaction, which was marked as deferred (the transaction will be marked as deferred if there is an invalid result code in the host response).
Will you allow SAF of Online PIN transactions (chance of decline due to invalid PIN entered)?	Dropdown Options: **Disable** (Default) **Enable for Credit** **Enable for Credit and Autosel**	Select the option, if you want to allow offline approval of an EMV transaction with online PIN CVM.

© Verifone Inc. All rights reserved.

Commerce Platform

Questions	Given Values	Description
Will you support Alternative Payment Methods (APM's) configuration (i.e. Venmo, PayPal, etc.)?	Radio button: **Yes** **No** (Default)	Select the option, if you want to support Alternative Payment Methods.
Which APMs will you support?	Check box Options: **Paypal, Venmo, Klarna, Wechat, Alipay, Affirm**	If selected **Yes** in the previous question, then select the required APMs from the given list.
Will you support TruRating configuration?	Radio button: **Yes** **No** (Default)	Select the option, if you want to support for TruRating in your solution. **NOTE:** This requires engagement between merchant, TruRating and Verifone.
Please provide trurating version	Dropdown Options: **3.0.0** **3.2.0** (Default) **4.0.3**	If selected **Yes** in the previous question, then select the TruRating version to be configured, from the given list.

Wallet Services

Questions		Given Values	Description
Will you support Apple VAS or Google VAS?		Radio button: **Yes** **No** (Default)	Select the option, if you want to support wallet services like Apple VAS or Google VAS in your solution.
If you select **Yes**, then enter the following details:			
	Please enter Apple Pay URL	**<Textbox>**	Enter the Apple Pay URL.
	Please enter Apple Pay Merchant ID	**<Textbox>**	Enter the Apple Pay merchant ID.
	Please enter Google Wallet URL	**<Textbox>**	Enter the Google Wallet URL.
	Please enter Google Wallet Merchant ID	**<Textbox>**	Enter the Google Wallet merchant ID.

© Verifone Inc. All rights reserved.

Receipt Management

Questions	Given Values	Description
Do you require formatted Receipt Data field to be returned to the POS in the response message?	Radio button: **Yes** **No** (Default)	Select the option, if you want application to format the receipt and send it as Receipt_data field in POS response. **NOTE:** Receipt data generation would add additional processing time to the transaction. Hence, it is recommended to select No, if POS is formatting the receipt based on the various response fields.
Do you want a verbose receipt?	Radio button: **Yes** **No** (Default)	Select the option, if you want a verbose receipt.
Do you want to print Decline receipt?	Radio button: **Yes** **No** (Default)	Select the option, if you want to print the declined receipt too.
Do you want to print Error receipt?	Radio button: **Yes** **No** (Default)	Select the option, if you want to print the error receipt too.
What kind of masking would you like to use for account number in Receipts?	Default: **L6R4**	Set the format of the account number that you want to print on the receipt. Here, the format can be given as **LnRn** [where **n= single digit>0**]. Therefore, **L6R4** indicates left 6 right 4 unmasked.
Do you want to print Merchant copy of the receipt?	Radio button: **Yes** (Default) **No**	Select the option, if you want to print the merchant copy of the receipt.
Do you want to print Customer copy of the receipt? **(For Semi Integrated)**	Radio button: **Yes** **No** (Default)	Select the option, if you want to print the customer copy of the receipt.
Do you want to print Customer copy of the receipt? **(For Standalone)**	Dropdown Options: **Do not print** **Print** **Prompt** (Default)	Select the option, if you want to print the customer copy of the receipt.
Where do you want to print MID?	Dropdown Options: **Merchant Copy** **Customer Copy** **Both** (Default) **None**	Select the option, if you want to print MID on the receipt copy.
Where do you want to print TID?	Dropdown Options: **Merchant Copy** **Customer Copy** **Both** (Default) **None**	Select the option, if you want to print TID on the receipt copy.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Do you want to display unmasked PAN on receipt for ACTIVATE command?	Radio button: **Yes** **No** (Default)	Select the option, if you want to display unmasked PAN on receipt for Gift Activate command.
Enter Disclaimer First Line. Leave it blank to remove this disclaimer line from the receipt	**<Textbox>**	Enter the first line for the disclaimer, to print on the receipt.
Enter Disclaimer Second Line. Leave it blank to remove this disclaimer line from the receipt	**<Textbox>**	Enter the second line for the disclaimer, to print on the receipt.
Enter Disclaimer Third Line. Leave it blank to remove this disclaimer line from the receipt	**<Textbox>**	Enter the third line for the disclaimer, to print on the receipt.
Enter Disclaimer Fourth Line. Leave it blank to remove this disclaimer line from the receipt	**<Textbox>**	Enter the fourth line for the disclaimer, to print on the receipt.
Enter First Refund Policy Line. Leave blank to remove this refund line from the receipt	**<Textbox>**	Enter the first line mentioning the refund policy, to print on the receipt.
Enter Second Refund Policy Line. Leave blank to remove this refund line from the receipt	**<Textbox>**	Enter the second line mentioning the refund policy, to print on the receipt.

© Verifone Inc. All rights reserved.

Device Setup

Display

Questions	Given Values	Description
How long should the terminal display error screens (in seconds)?	Default: **3**	Set the time duration in seconds, you want to display the error screens as part of the payment transaction flow on the device.
How long should the terminal wait (in seconds) for customer input?	Default: **120**	Set the time duration in seconds, for the device to capture the customer inputs as part of the payment transaction flow.
What color do you want to display LaneClosed text in?	Dropdown Options: **Red** **Green** **Blue** **Black** (Default)	Select the color of the text to display for the LaneClosed command processing.
What size do you want to display LaneClosed text in?	**<Textbox>**	Set the font size of the LaneClosed command text to display.
Do you have any custom message to be displayed on terminal as part of transaction flow?	Radio button: **Yes** **No** (Default)	Select the option if you want to customize any of the display prompts as part of the transaction flow.
Please enter custom message pairs [key=value] below the corresponding language	**<Textbox>**	This captures the customized text in the form of key value pairs. **NOTE:** Please consult Verifone technical representative to know the corresponding key values for the prompts that you want to customize.
Do you have any custom message to be printed as part of receipt?	Radio button: **Yes** **No** (Default)	Select the option if you want to customize any of the receipt data fields to be printed as part of receipt.
If you select **Yes**, then the following question will appear:		
Please enter custom message to be printed as part of receipt in pairs [key=value] below the corresponding language	**<Textbox>**	This captures the customized receipt data field in the form of key value pairs. **NOTE:** Please consult Verifone technical representative to know the corresponding key values for the receipt data that you want to customize.

© Verifone Inc. All rights reserved.

Sound

Questions	Given Values	Description
What percentage would you like to set system volume to?	Default: **100**	Set the system volume in percentage, maximum value is 100%.
Would you like to be notified of every successful swipe?	Radio button: **Yes** **No** (Default)	Select the option, if you want to set a notification tone for every successful swipe.
What percentage would you like to set remove card tone volume to?	Default: **100**	Set the volume in percentage for remove card tone, maximum value is 100%.

Software

Questions	Given Values	Description
What time do you want your terminal configured to reboot everyday?	Default: **03:00:00**	Set the time in 24hr format for the device to honour the mandatory PCI reboot.
Please provide the name of the device you wish to configure on the payment device	Default: **POINTSCA**	Set a name of the device, that you want to use as identifier for the device.
Does customer need anti skimmer tool ?	Radio button: **Yes** **No** (Default)	Select the option, if you want to include anti skimmer software as part of your solution. **NOTE:** Anti skimmer probe is needed to detect the skimmer activities on the device.
After how much time (in seconds) should the terminal go into standby mode on battery?	Default: **15**	Set the time duration in seconds for the battery device to go into standby mode.
After how much time (in seconds) should the terminal go into sleep mode on battery?	Default: **5**	Set the time duration in seconds for the battery device to go into sleep mode.
After how much time (in seconds) should the terminal go into deep sleep mode on battery?	Default: **120**	Set the time duration in seconds for the battery device to go into deep sleep mode.
After how much time (in seconds) should the terminal go into standby mode on Linepowered?	Default: **15**	Set the time duration in seconds for the Linepowered device to go into standby mode.
After how much time (in seconds) should the terminal go into sleep mode on Linepowered?	Default: **-1**	Set the time duration in seconds for the Linepowered device to go into sleep mode.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
After how much time (in seconds) should the terminal go into deep sleep mode on Linepowered?	Default: **-1**	Set the time duration in seconds for the Linepowered device to go into deep sleep mode.

Network Setup

Questions	Given Values	Description
Do you want network configuration prompt on the LAB device?	Dropdown Options **Yes** (Default) **No**	Select the option, if you want to view the network configuration option on the Lab device. This is applicable to only M440 and M424 devices.
Choose your primary network	Dropdown Options: **Ethernet** **WiFi** **IP Over USB** **IP Over Bluetooth** **GPRS**	Select the primary network.
Choose your secondary network	Dropdown Options: **Ethernet** **WiFi** **IP Over USB** **IP Over Bluetooth** **GPRS** **None**	Select the secondary network if there is any requirement.
Choose your primary network for Mobile devices	Dropdown Options: **WiFi** **IP Over USB** **IP Over Bluetooth** **GPRS**	Select the primary network for your mobile device, like e280, e285, e235 and v400.
Choose your secondary network for Mobile devices	Dropdown Options: **WiFi** **IP Over USB** **IP Over Bluetooth** **GPRS** **None**	Select the secondary network for your mobile devices if there is any requirement.
Do you support PROXY network in your environment?	Radio button: **Yes** **No** (Default)	Select the option, if you want to have PROXY network in your environment.
If you select Yes, then following questions will appear:		
Please provide Proxy URL	**<Textbox>**	Provide the proxy URL.
Please provide Proxy Port	**<Textbox>**	Provide the port number

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Please provide Proxy SSID	**<Textbox>**	Set the SSID.
Ethernet		
What kind of network do you want to configure for ethernet (Static or DHCP)?	Radio button: **Static** **DHCP** (default)	Select either of the network type.
If you select **Static** Network, then following questions will appear:		
How will you configure static IP details on the terminal ?	Dropdown Options: **Manual at store** **Same across all Devices** **Unique IP per Device**	Select the option from the dropdown list. **Manual at store** - Network setting will be performed in Store location manually. **Same across all Devices** - Same network settings will be applied to all the devices in the estate. **Unique IP per Device** - Setting up different Static IPs per device.
Enter IP Address for Ethernet network	**<Textbox>**	Provide IP Address for the Ethernet network.
Enter Network Mask for Ethernet network	**<Textbox>**	Provide Network Mask for the Ethernet network.
Enter Gateway for Ethernet network	**<Textbox>**	Provide Gateway for the Ethernet network
Enter first DNS for Ethernet network	**<Textbox>**	Provide DNS1 for the Ethernet network
Enter second DNS for Ethernet network	**<Textbox>**	Provide DNS2 for the Ethernet network
Is this network configurations holds good for production?	Radio button: **Yes** (default) **No**	Select the option, if the same network configuration is applied to PROD environment. Select **Yes** to apply the settings in PROD and **No** to provide the details for PROD.
WiFi		
What kind of network do you want to configure for WIFI(Static or DHCP)?	Radio button: **Static** **DHCP** (default)	Select either of the network type.
If you select **Static** Network, then the following questions will appear:		
How will you configure static IP details on the terminal ?	Dropdown Options: **Manual at store** **Same across all Devices** **Unique IP per Device**	Select the option from the dropdown list. **Manual at store -** Network setting will be performed in Store location manually. **Same across all Devices** - Same network settings will be applied to all the devices in the estate.

© Verifone Inc. All rights reserved.

Questions		Given Values	Description
			Unique IP per Device - Setting up different Static IPs per device.
	Enter IP Address for WiFi network	**<Textbox>**	Provide IP Address for the WiFi network.
	Enter Network Mask for WiFi network	**<Textbox>**	Provide Network Mask for the WiFi network.
	Enter Gateway for WiFi network	**<Textbox>**	Provide Gateway for the WiFi network
	Enter first DNS for WiFi network	**<Textbox>**	Provide DNS1 for the WiFi network
	Enter second DNS for WiFi network	**<Textbox>**	Provide DNS2 for the WiFi network
	Enter SSID for WiFi network?	**<Textbox>**	Provide the SSID for your WiFi network.
	Is the WiFi network hidden?	Radio button: **Yes** **No** (Default)	Select the option, if you want to the SSID.
	What is the key management protocol for WiFi network?	Dropdown Options: **PSK** (Default) **EAP**	Select the key management protocol from the given list.
	Enter Password for WiFi network?	**<Textbox>**	Provide the password for your WiFi network.
	If you select **EAP** key management protocol, then the following questions will appear:		
	Enter Password for WiFi network?		Provide the password for your WiFi network.
	What is the EAP type for WiFi network?	Dropdown Options: **PEAP** **TLS** (Default)	Select the option from the dropdown list. As of this version only **TLS** is supported.
	Enter EAP Identity for WiFi network	**<Textbox>**	Provide the EAP Identity for WiFi network.
	Enter EAP Password for WiFi network	**<Textbox>**	Provide the EAP Password for WiFi network. This is applicable, if you select either of the following: **PEAP** as EAP type / configure static IP - **Manual at store**.
	Upload EAP CA certificate file for WiFi network		Upload the EAP CA certificate file.
	Upload EAP client certificate file for WiFi network		Upload the EAP client certificate file.
	Upload EAP private key file for WiFi network		Upload EAP private key file for WiFi network.
	Enter password for EAP private key file if it exists	**<Textbox>**	Provide the password for EAP private key file.

© Verifone Inc. All rights reserved.

Questions		Given Values	Description
	Do you want to configure Additional WiFi network?	Radio button: **Yes** **No** (Default)	Select the option, if you want to configure additional WiFi network. If you select **Yes**, then the application supports **five additional networks** for WiFi and the required questions from **SSID level** are repeated.
IP Over USB			
What kind of network do you want to configure for IP Over USB (Static or DHCP)?		Radio button: **Static** **DHCP** (default)	Select either of the network type.
If you select **Static** Network, then following questions will appear:			
	How will you configure static IP details on the terminal ?	Dropdown Options: **Manual at store** **Same across all Devices** **Unique IP per Device**	Select the option from the dropdown list. **Manual at store** - Network setting will be performed in Store location manually. **Same across all Devices** - Same network settings will be applied to all the devices in the estate. **Unique IP per Device** - Setting up different Static IPs per device.
	Enter IP Address for IP Over USB network	**<Textbox>**	Provide IP Address for the IP Over USB network.
	Enter Network Mask for IP Over USB network	**<Textbox>**	Provide Network Mask for the IP Over USB network.
	Enter Gateway for IP Over USB network	**<Textbox>**	Provide Gateway for the IP Over USB network
	Enter first DNS for IP Over USB network	**<Textbox>**	Provide DNS1 for the IP Over USB network
	Enter second DNS for IP Over USB network	**<Textbox>**	Provide DNS2 for the IP Over USB network
	Is this network configurations holds good for production?	Radio button: **Yes** (default) **No**	Select the option, if the same network configuration is applied to PROD environment. Select **Yes** to apply the settings in PROD and **No** to provide the details for PROD.

© Verifone Inc. All rights reserved.

Deployment Setup

Terminal

Questions	Given Values	Description
Where will terminal onboarding occur?	Dropdown Options: **At VFI deployment** **At Customer Location**	Select the option, where the terminal onboarding happens.
Would you like to skip $1 test sale as part of setup?	Radio button: **Yes** **No** (Default)	Select the option, if you want to skip $1 preamble sale as part of the deployment flow.
Please provide the DEV PWC Client ID	**<Textbox>**	Provide the PWC Client ID for development environment. **NOTE:** This is applicable, if you select SCA Flex processors.
Please provide the PROD PWC Client ID if one exists	**<Textbox>**	Provide the PWC Client ID for production environment. **NOTE:** This is applicable, if you select SCA Flex processors.
How will MID/TID be set in the terminal?	Dropdown Options: **Manually at deployment** **Manually at customer location** **At customer depot** **Via POS using SET_PARM** **Via VHQ**	Select the option to set MID/TID in the device from the dropdown list. **NOTE:** If you select **Via VHQ**, then it is recommended to set AUTOPREAMBLE=Y to trigger changes on the device.
If you select **Manually at deployment** or **Manually at customer location**, then the following questions will appear:		
Please provide Merchant ID length	**<Textbox>**	Provide the Merchant ID length. **NOTE:** For SCA Direct Fiserv, the maximum allowed length is 16 characters and for SCA Direct WorldPay, the maximum allowed length is 13 characters.
Please provide Terminal ID length	**<Textbox>**	Provide the Terminal ID length. **NOTE:** For SCA Direct Fiserv, the maximum allowed length is 8 characters and for SCA Direct WorldPay, the maximum allowed length is 3 characters.
Do you want to skip Lane ID prompt during merchant setup?	Radio button: **Yes** **No** (Default)	Select the option, if you do not want to see the Lane ID prompt during Merchant set up.
If you select **No**, then the following question will appear:		
Please provide LaneID length	**<Textbox>**	Provide the Lane ID length. **NOTE:** For SCA Direct Fiserv and WorldPay, the maximum allowed length is 3 characters.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Please provide DEV TA Brand Name		Provide the TA Brand Name for development environment. **NOTE:** This is applicable for SCA Direct Fiserv processors.
Please provide PROD TA Brand Name		Provide the TA Brand Name for production environment. **NOTE:** This is applicable for SCA Direct Fiserv processors.
Please provide DEV TA Domain Name		Provide the TA Domain Name for development environment. **NOTE:** This is applicable for SCA Direct Fiserv processors.
Please provide PROD TA Domain Name		Provide the TA Domain Name for production environment. **NOTE:** This is applicable for SCA Direct Fiserv processors.
Please provide DEV TA Token Type		Provide the TA Token Type for development environment. **NOTE:** This is applicable for SCA Direct Fiserv processors.
Please provide PROD TA Token Type		Provide the TA Token Type for production environment. **NOTE:** This is applicable for SCA Direct Fiserv processors.
Please provide GroupID	Dropdown Options: **Nashville** **Buy Pass** **Omaha**	Select the platform group ID from the dropdown list. **NOTE:** This is applicable for SCA Direct Fiserv processors.
Please select Rapid Connect ID (TPPID)	Dropdown Options: For VSP (US) Encryption Type: **RVE048** **RVE056** **RVE090** (Default) For TRA(US) Encryption Type: **RVE063** **RVE067** **RVE091** (Default) For VSP(CAN) Encryption Type: **RVE059** **RVE076** (Default) For TRA(CAN) Encryption Type: **RVE066**(Default)	Select the Rapid Connect ID from the dropdown list. **NOTE:** This is applicable for SCA Direct Fiserv processors.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
	For ADE(US) Encryption Type: **RVE111** (Default) For NOE(US) Encryption Type: **RVE048** **RVE063** **RVE090** (Default)	
Please provide Merchant category code		Provide the merchant category code. **NOTE:** This is applicable for SCA Direct Fiserv processors.
Please provide PPCL MerchantID	Default: 43005657945	Provide PPCL Merchant ID **NOTE:** This is applicable for SCA Direct Fiserv processors.
Please provide Host username	**<Textbox>**	Provide the Host username. **NOTE:** This is applicable for SCA Direct Chase processors.
Please provide host password	**<Textbox>**	Provide the Host password. **NOTE:** This is applicable for SCA Direct Chase processors.
Where will the terminal be provisioned?	Dropdown Options: **Verifone deployment** (Default) **Partner deployment**	Select the deployment provisioning option for the device from the dropdown list.

© Verifone Inc. All rights reserved.

Password

Questions	Given Values	Description
Please provide your System Mode Password	Default: 1668321	Set the system mode password, that you want to set it on device.
Please provide your Production password key part number		Provide the Production password key part number
Upload Production password certificate file		Upload the certificate file for production password. This detail should be available in BRD document.
Please provide your Test/Dev password key part number	Default: **A-KEYTST-VFI-UPWD**	Provide the Dev password key part number.
Upload DEV password certificate file		Upload the certificate file for dev password. This detail should be available in BRD document.
Do you want to provide other system Mode passwords?	Radio button: **Yes** **No** (Default)	Select the option, if you want to set password for other users on the device.
If you select **Yes** for system Mode passwords, then answer the following questions:		
Please provide your Level1 Password	**<Textbox>**	Set the password for level 1.
Please provide your Level2 Password	**<Textbox>**	Set the password for level 2.
Please provide your Maintenance Password	**<Textbox>**	Set the password for level maintenance.
Is the above System Mode Password holds good for DEV environment?	Radio button: **Yes** (Default) **No**	Select the option, if you want to set the same PROD devices password for the Lab devices.
If No for Dev Environment Please provide your DEV System Mode Password	Default: **1668321**	Set the system mode password for the Lab devices.
Please provide your Com Control Password (CCP)	Default: **200331**	Set the password to access the Com Control Panel on the device.
Please provide your SCA Configuration Menu Password	Default: **166831**	Set the password to access the SCA Configuration Menu on the device.

© Verifone Inc. All rights reserved.

Encryption

Questions	Given Values	Description
Choose your host encryption type	Dropdown Options: **For SCA Direct Fiserv US:** VSP ADE TRA AES DUKPT No Encryption **For SCA Direct Fiserv CA:** VSP TRA **For SCA Flex (UGP)** VSP ADE **For SCA GreenBox, SCA Direct Worldpay and SCA Direct Worldpay Petro:** ADE **(Default)** No Encryption **For SCA Direct Chase:** VSP **For SCA Direct TSYS:** Voltage No Encryption	Select the encryption type from the given list. The list displays the Encryption types based on the selected processors.
Where would you like the decryption to happen?	Dropdown Options: **At PWC** **At End Processor**	Select the option to choose the source of the decryption service.
Do you want to exclude any card ranges from encryption?	Radio button: **Yes** **No** (Default)	Select the option, if you want to support BIN exclusion in your solution.
Following questions will appear, only for **VSP** encryption type:		
Please upload the DEV VCL settings file		Upload the VCL settings file for DEV environment. Maximum length is 2048.
Please upload the Prod VCL settings file		Upload the VCL settings file for PROD environment. Maximum length is 2048.
Do you want to support extended vclsettings file?	Radio button: **Yes** **No** (Default)	Select the option, if you want to support extended vclsettings file.
If you select **Yes**, then following questions will appear:		
Please upload the Extended DEV VCL settings file		Upload the Extended DEV VCL settings file.

© Verifone Inc. All rights reserved.

Questions		Given Values	Description
	Please upload the Extended PROD VCL settings file		Upload the Extended PROD VCL settings file.
	Enter the bin exclusion contents of DEV kmailin.tgx	**<Textbox>**	Provide the BIN exclusion contents of DEV kmailin.tgx. Maximum length is 2048.
	Enter the bin exclusion contents of PROD kmailin.tgx	**<Textbox>**	Provide the BIN exclusion contents of PROD kmailin.tgx. Maximum length is 2048.
	Do you want to exclude any custom card ranges in CAMCRYPTO.BIN?	Radio button: **Yes** **No** (Default)	Select the option, if you want to exclude any custom card ranges from the CAMCRYPTO.BIN.
	Enter the custom BIN exclusion data to append to CAMCRYPTO.BIN		If you select **Yes**, then enter the custom BIN to append to CAMCRYPTO.BIN.
	If you select **Yes** for excluding any card ranges from encryption, then following questions will appear:		
	Enter first excluded PAN Range [Low-High]	**<Textbox>**	Provide the PAN Range for the card, Low and High. If you have multiple card ranges to exclude, then enter the PAN ranges below. This application supports 15 entries for PAN ranges.
Following questions will appear, for **VSP** and **ADE** encryption type:			
	Please enter DEV Encryption Key ID	**<Textbox>**	Set the encryption key part number for DEV environment.
	Please enter PROD Encryption Key ID	**<Textbox>**	Set the encryption key part number for PROD environment.
Please provide your Test/Dev Debit key part number		**<Textbox>** Example: **A-KEYTST-PAY-03**	Set the debit key part number for DEV environment.
Please provide your Production Debit key part number		**<Textbox>** Example: **A-KEYRBU-PNS-03**	Set the debit key part number for PROD environment.
Which key slot should be used for DUKPT key injection on Test terminals?		Dropdown Options: **0** (Default) **1** **2**	Select the key slot, that you want debit keys to be installed on lab devices.
Which key slot should be used for DUKPT key injection on Production terminals?		Dropdown Options: **0** (Default) **1** **2**	Select the key slot, that you want debit keys to be installed on production devices.

© Verifone Inc. All rights reserved.

POS

Questions	Given Values	Description
How will the POS interface with SCA?	Dropdown Options: **Direct to SCA** **PSDK** **POSCloud**	Select the option from the given POS interface list: **Direct to SCA** - POS uses SCI protocols to connect the SCA application directly. **PSDK** - POS uses PSDK APIs to connect SCA application. **POSCloud** - POS uses POSCloud APIs to connect SCA application. SCA application uses WebSockets to connect POSCloud.
Enter the name of your POS Integrator	**<Textbox>**	Set a name for the POS integrator.
How will SCA communicate with the POS?	Dropdown Options: **TCP/IP** **IP Over USB** **IP Over Bluetooth** **Serial Over Bluetooth** **Websocket**	Select the network option from the given list for SCA application to communicate with POS.
If you select **Serial Over Bluetooth**, the following question will appear:		
Enter Service Name for Bluetooth Communication	**<Textbox>**	Set the service name for the lab Bluetooth connection.
Enter Serial Port for Bluetooth Communication	**<Textbox>**	Enter the serial port number for the lab Bluetooth Communication of the payment device.
What is the primary port for POS communication?	Default: **5015**	Provide the primary port number on which the payment application will be listening.
What is the secondary port for POS communication?	Default: **5016**	Provide the secondary port number on which the payment application will be listening.
Will you allow the terminal to automatically connect to POS without entering a pairing PIN?	Radio button: **Yes** **No** (Default)	Select the option, if you want to skip the terminal pairing PIN entry during the registration process with the POS.
Will you allow the terminal to send unsolicited messages to POS during transactions?	Radio button: **Yes** **No** (Default)	Select the option, if you want the terminal to send unsolicited messages to POS during transactions.
Does your POS require SCA to strip sentinels before sending track data?	Radio button: **Yes** **No**	Select the option if you want terminal to strip the sentinels of the track data as part of Get Card Data command processing.
Do you want detailed card entry mode in POS response?	Radio button: **Yes** **No**	Select the option, if you want to see the below detailed card entry mode in the CARD_ENTRY_MODE field of the POS response. **Values:** Chip Read – Contact Chip Read – Contactless Mag Stripe – Contactless

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
		Manual Mag Stripe – Fallback Mag Stripe – Swipe
What kind of masking would you like to use for account number in POS response?	Default: **L6R4**	Set the format of the masked account number that you want to receive in ACCT_NUM field in POS response. Here, the format can be given as **LnRn** [where **n= single digit>0**]. Therefore, **L6R4** indicates left 6 right 4 unmasked.
Do you want to send unmasked PAN in POS response for Non-PCI cards?	Radio button: **Yes** **No** (Default)	Select the option if you want to receive unmasked PAN for Non-PCI cards in ACCT_NUM field in POS response.

VHQ

Questions	Given Values	Description
Will VHQ be utilized for estate management?	Radio button: **Yes** **No**	Select the option, if you want to utilize VHQ service for your estate management. **NOTE:** For more details about VHQ, please reach out to Verifone Sale representative.
Please select DEV VHQ Server	Dropdown Options: **VHQ Test US3** **VHQ Connect** **VHQ QA APAC** **VHQ NA VerifoneHQ** **Custom**	Select the DEV VHQ Server instance from the given list. VHQ Test US3 - https://vhqtest.us3.vfivcs.com/ VHQ Connect - https://vhq.connect.verifone.com/ VHQ QA APAC - https://qa.apac.verifonehq.net/ VHQ NA VerifoneHQ - https://vhqna.verifonehq.net/ Custom - If VHQ is hosted on-premise by the customer.
Please provide the DEV VHQ Customer ID	**<Textbox>**	Enter the DEV VHQ customer ID.
Please select the PROD VHQ Server	Dropdown Options: **VHQ Test US3** **VHQ Connect** **VHQ QA APAC** **VHQ NA VerifoneHQ** **Custom**	Select the PROD VHQ Server instance from the given list. VHQ Test US3 - https://vhqtest.us3.vfivcs.com/ VHQ Connect - https://vhq.connect.verifone.com/ VHQ QA APAC - https://qa.apac.verifonehq.net/ VHQ NA VerifoneHQ - https://vhqna.verifonehq.net/ Custom - If VHQ is hosted on-premise by the customer.
Please provide the PROD VHQ Customer ID	**<Textbox>**	Enter the PROD VHQ customer ID.
How often do you want the devices to ping VHQ (in seconds)?	Default: **300**	Enter the duration in seconds, the device is required to send its heartbeat to VHQ server.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
How often do you want Mobile devices to ping VHQ (in seconds)?	Default: **3600**	Enter the duration in seconds, the Mobile device (e285, e280, 235 and v400) is required to send its heartbeat to VHQ server.
Enter maintenance window start time (in HHMM)	Default: **0300**	Set the time to start the maintenance window and the time format is 24 hrs.
Enter maintenance window end time (in HHMM)	Default: **0800**	Set the end time for the maintenance window and the time format is 24 hrs.
Would you like to restrict maintenance to a few days of the week?	Radio button: **Yes** **No** (Default)	Select the option, if you want to restrict the maintenance window to few days of the week. If selected **Yes**, then the list of days is displayed from Sunday to Saturday. Check the necessary days for the maintenance.
How will you perform VHQ downloads?	Dropdown Options: **Manual Download** **Reference Sets**	Select the option, if you want to perform VHQ downloads manually or using the reference sets.
Would You Like to Reboot the Device after Parameter Download	Radio button: **Yes** **No**	Select the option, if you want to reboot the device upon successful parameter download. It is recommended to select **Yes**.
Please provide your DEV IDS Reference set ID	**<Textbox>**	Provide existing DEV deployment Reference set ID. New customer can skip this field. **NOTE:** Please reach out to Verifone technical representative for more details.
Please provide your PROD IDS Reference set ID	**<Textbox>**	Provide existing PROD deployment Reference set ID. New customer can skip this field. **NOTE:** Please reach out to Verifone technical representative for more details.
Do you want to prompt for VHQ Device ID on the terminal?	Radio button: **Yes** **No**	Select the option if you want to capture the VHQ Device ID on the device as part of installation process for the purpose of onboarding.

© Verifone Inc. All rights reserved.

Release

Questions	Given Values	Description
Please provide the release epic (ANB/ANC)	**<Textbox>**	Provide the release ticket, which will be tracked internally to deliver the solution. **NOTE:** This is for internal use.
Please provide Signing Certificate for Lab Packages	**Default -** VeriFone Development	Enter the name of the signing Certificate that is used to sign the lab packages. The value for this filed is Case sensitive.
Please provide Signing Certificate for Prod Packages		Enter the name of the signing certificate that is used to sign the PROD packages. The value for this filed is Case sensitive.
Please provide Android signing certificate for Production packages	**<Textbox>**	Enter the name of the online signing certificate that is used to sign the Android specific PROD packages. The value for this filed is Case sensitive. **NOTE:** Reach out to Verifone representative if want to the values for this field.
Please provide CID value for signing certificate of PROD packages	**<Textbox>**	Enter the CID value of the production signing certificate. This field is applicable, only if the Host Encryption type is selected as ADE. **NOTE:** Reach out to Verifone representative if want to the values for this field.
Please Provide Estate Owner Name present in RSR portal	**<Textbox>**	Enter the Estate owner name present in deployment portal (RSR portal). **NOTE:** Reach out to Verifone representative if want to the values for this field.
Please Provide Production sponsorId present in RSR portal	**<Textbox>**	Enter the production sponsor certificate ID present in deployment portal (RSR portal). **NOTE:** Reach out to Verifone representative if want to the values for this field.
Please select Yes if there is requirement to create IDS reference set per media banner	Radio button: **Yes** **No**	Select the option, if you want to create multiple deployment reference sets for each media banner

© Verifone Inc. All rights reserved.

Workflow Customization

Questions	Given Values	Description
Would you like to customize device name on the payment device (Workflows)?	Radio button: **Yes** **No** (Default)	Select the option, if you want to provide a customized device name for the payment device.
If you select **Yes**, then enter the following detail:		
Please provide the name of the device you wish to configure on the payment device (Workflows)	**<Textbox>**	Set a name of the device, that you want to use as identifier for the device.
Would you like to customize SCA communication with the POS configuration for (Workflows)?	Radio button: **Yes** **No** (Default)	Select the option, if you want to customize the POS communication channel.
If you select **Yes**, then enter the following detail:		
How will SCA communicate with the POS for the device (Workflows)	Dropdown Options: **TCP/IP** **Serial (RS232)** **Serial Over USB** **Serial Over Bluetooth** **Websockets**	Select the POS communication mode for the device from the given list.
If you select **Serial Over Bluetooth**, then enter the following details:		
Enter Service Name for Bluetooth Communication for the device (Workflows)	**<Textbox>**	Set a name for Bluetooth Communication for the payment device.
Enter Serial Port for Bluetooth Communication of the device (Workflows)	**<Textbox>**	Enter the serial port number for Bluetooth Communication of the payment device.
Would you like to customize Language configuration for (Workflows)?	Radio button: **Yes** **No** (Default)	Select the option, if you want to customize the Language for this device.
Select application primary language for (Workflows)	Dropdown Options: **English** (Default) **French** **Spanish**	If you select **Yes**, then select the preferred primary language from the list.
Select application secondary language for (Workflows)	Dropdown Options: **English** **French** **Spanish** **None** (Default)	Select the preferred secondary language from the list.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Would you like to customize Tip configuration for {New Workflow}?	Radio button: **Yes** **No** (Default)	Select the option, if you want to to customize Tip configuration for this device.
Do you require support for Tip prompting for (Workflows)?	Radio button: **Yes** **No** (Default)	If you select **Yes**, then select the option, if you want to to support Tip prompting for this device.
If you select **Yes**, then the following questions will appear:		
How long does the device need wait on the tip screen before getting timeout?	Default: **120**	Provide the time duration for the device to wait on the on the tip screen before it times out. The maximum length of duration is 500.
What Type of Tip Prompting would you like?	Dropdown Options: **Percentages** **Amounts**	Select the option, which you want to set for the Tip prompt. If you select **Percentages**, then the Tip percentage prompts are displayed. If you select **Amounts**, then the Tip amount in pennies prompts is displayed.
First Tip percentage/ Enter first Tip amount in pennies	**<Textbox>**	Provide the first Tip percentage or amount.
Second Tip percentage/ Enter second Tip amount in pennies	**<Textbox>**	Provide the second Tip percentage or amount.
Third Tip percentage/ Enter third Tip amount in pennies	**<Textbox>**	Provide the third Tip percentage or amount.
Fourth Tip percentage/ Enter fourth Tip amount in pennies	**<Textbox>**	Provide the fourth Tip percentage or amount.
Maximum tip percentage allowed/ Enter maximum tip amount allowed in pennies	**<Textbox>**	Set the maximum allowed Tip percentage or amount.
Do you want to support Tip prompting for Gift transactions?	Radio button: **Yes** **No** (Default)	Select the option, if you want to support prompting for Tip in Gift card transactions.
Would you like to customize Cashback configuration for (Workflows)?	Radio button: **Yes** **No** (Default)	Select the option, if you want to customize the cashback configurations.
Do you require support for Cashback prompting for (Workflows)?	Radio button: **Yes** **No**	Select the option, if you want to see Cash Back prompt as part of the Sale transaction flow. **NOTE:** Cash Back prompt is applicable only if Debit tender is selected.
If you select **Yes**, then the following questions will appear:		

© Verifone Inc. All rights reserved.

Questions		Given Values	Description
	Enter first Cashback amount in cents for (Workflows)	**<Textbox>**	Provide first option to enter cashback amount in cents.
	Enter second Cashback amount in cents for (Workflows)	**<Textbox>**	Provide second option to enter cashback amount in cents.
	Enter third Cashback amount in cents for (Workflows)	**<Textbox>**	Provide third option to enter cashback amount in cents.
	Do you want provide option for user entered Cashback for (Workflows)	Radio button: **Yes** **No**	Select the option, if you want to provide an option to the customer to enter the cashback amount.
	Do you have a Cashback Limit (customer cannot exceed) for (Workflows)	Radio button: **Yes** **No**	If you select Yes, then select the next option, if you have any limit on cashback to restrict the customer while entering the cashback amount.
	Please enter the cash back limit in cents for (Workflows)	**<Textbox>**	If you select **Yes** for having cashback limit, then provide the cashback limit amount in cents.
Would you like to customize card configurations for (Workflows)?		Radio button: **Yes** **No** (Default)	Select the option, if you want to customize the card configurations.
If you select **Yes**, then the following questions will appear:			
	Do you require support for co-branded EMV cards for Private Label transactions for (Workflows)?	Radio button: **Yes** **No** (Default)	Select the option, if you want to support co-branded EMV cards for Private Label as part of your transactions.
	Which AIDs do you want to use for EMV Private Label cards for (Workflows)?	**Checkbox Options, example:** **A0000000031010 [VISA CREDIT]** **A0000000032010 [VISA CREDIT]** **A0000000033010 [VISA DEBIT]** **A0000000980840 [VISA DEBIT]** **A0000000041010 [MASTERCARD CREDIT]** **A0000000042203 [MASTERCARD DEBIT]** **CUSTOM** etc.	Select from the list of EMV AIDs, that you want to support/accept in your solution. Select from the list of EMV AIDs, that you want to support/accept in your solution. **NOTE:** Supported list of AIDs will appear based on selected preferred payment, like: **US Debit Preferred** **US Credit Preferred** **US Credit Only** **US Debit Only** **US Neutral** **CA** (This is for Canada as selected as country.)
	Enter all the custom private label AIDs for (Workflows)		If you select CUSTOM AIDs option, then enter all custom AIDs for the Private level card.
Select your payment preference for (Workflows)		Dropdown Options: **Neutral** (Default) **Debit Preferred** **Credit Preferred**	Select the payment preference from the dropdown list. Refer to Card Configuration table for more description.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Select your payment preference for (Workflows)?	Dropdown Options: **Credit Preferred** (Default) **Credit Only**	
Which AIDs do you want to support (Workflows)?	**Checkbox Options, example:** **A0000000031010[VISA CREDIT]** **A0000000032010[VISA CREDIT]** **A0000000033010[VISA DEBIT]** etc.	Select from the list of EMV AIDs, that you want to support/accept in your solution. **NOTE:** Supported list of AIDs will appear based on selected preferred payment. **US Debit Preferred** (Default AIDs) - A0000000031010 [VISA CREDIT], A0000000032010 [VISA CREDIT], A0000000033010 [VISA DEBIT], A0000000980840 [VISA DEBIT], A0000000041010 [MASTERCARD CREDIT], A0000000042203 [MASTERCARD DEBIT], A0000000043060 [MASTERCARD DEBIT] **US Credit Preferred** (Default AIDs) - A0000000031010 [VISA CREDIT], A0000000032010 [VISA CREDIT], A0000000033010 [VISA DEBIT], A0000000980840 [VISA CREDIT], A0000000041010 [MASTERCARD CREDIT], A0000000042203 [MASTERCARD CREDIT], A0000000043060 [MASTERCARD DEBIT] **US Credit Only** (Default AIDs) - A0000000031010 [VISA CREDIT], A0000000032010 [VISA CREDIT], A0000000041010 [MASTERCARD CREDIT] **US Debit Only** (Default AIDs) - A0000000033010 [VISA DEBIT], A0000000980840 [VISA DEBIT], A0000000042203 [MASTERCARD DEBIT], A0000000043060 [MASTERCARD DEBIT] **US Neutral** (Default AIDs) - A0000000031010 [VISA CREDIT], A0000000032010 [VISA CREDIT], A0000000033010 [VISA DEBIT], A0000000980840 [VISA US COMMON DEBIT], A0000000041010 [MASTERCARD CREDIT], A0000000042203 [MASTERCARD US COMMON DEBIT], A0000000043060 [MASTERCARD DEBIT] **CA** (Default AIDs) - This is for Canada as selected as country. A0000000031010 [VISA CREDIT], A0000000032010 [VISA CREDIT], A0000000041010 [MASTERCARD CREDIT], A00000002501 [AMEX CREDIT], A0000000651010 [JCB CREDIT], A0000002771010 [INTERAC DEBIT]
If US Common AIDs are present on the card, would you like to Auto Select those AIDs?	Radio button: **Yes** (Default) **No**	Select the option, for auto selecting the US Common AIDs over global AIDs, which are present on the card.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
For EMV Insert, what do you want to set your limit to for verifying card? Enter amount in cents for (Workflows)	Default: **99999999**	Set the CVM limit for EMV Contact mode of transaction. Example, setting the limit of 1000, means in case of any transaction below $10.00, no CVM will get applied and no PIN/Signature will be prompted. Following limits are recommended values, based on the above selected Payment Preferences, like: Neutral – 0 Debit Preferred – 0 Credit Preferred – max 99999999 Credit Only – max 99999999
For EMV Contactless/Tap, what do you want to set your limit to for verifying card for (Workflows)? Enter amount in cents	Default: **99999999**	Set the CVM limit for EMV Contactless mode of transaction. Example, setting the limit of 1000, means in case of any transaction below $10.00, no CVM will get applied and no PIN/Signature will be prompted. Following limits are recommended values, based on the above selected Payment Preferences, like: Neutral – 0 Debit Preferred – 0 Credit Preferred – max 99999999 Credit Only – max 99999999
What will be your configured Contactless Tap Limit for (Workflows)? Enter amount in cents	Default: **99999999**	Set the maximum transaction limit for EMV Contactless transaction.
For EMV Insert, what do you want to set your limit to for verifying Debit card for (Workflows)? Enter amount in cents		Set the CVM limit for EMV Contact mode of transaction for the Debit AIDs.
For EMV Contactless/Tap, what do you want to set your limit to for verifying Debit card for (Workflows)? Enter amount in cents		Set the CVM limit for EMV Contactless mode of transaction for the Debit AIDs.
What will be your configured Contactless Tap Limit for Debit cards for (Workflows)? Enter amount in cents		Set the maximum transaction limit for EMV Contactless transaction for the Debit AIDs.
For EMV Insert, what do you want to set your limit to for verifying USCommonAID card for (Workflows)? Enter amount in cents	Default: **99999999**	Set the CVM limit for EMV Contact mode of transaction for the given US Common Debit AIDs.
For EMV Contactless/Tap, what do you want to set your limit to for verifying USCommonAID card for (Workflows)? Enter amount in cents	Default: **99999999**	Set the CVM limit for EMV Contactless mode of transaction for the given US Common Debit AIDs.
What will be your configured Contactless Tap Limit for USCommonAID's? Enter amount in cents for (Workflows)	Default: **99999999**	Set the maximum transaction limit for EMV Contactless transaction for the given US Common Debit AIDs.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Would you like to enable Debit for (Workflows)?	Radio button: **Yes** **No** (Default)	Select the option, if you want to enable Debit tender type as part of transaction.
Would you like to customize Preamble configuration for (Workflows)?	Radio button: **Yes** **No** (Default)	Select the option, if you want to customize the set-up configuration.
Where will terminal onboarding occur for (Workflows)?	Dropdown Options: **At VFI deployment** **At Customer Location**	Select the option, where the terminal onboarding happens.
Would you like to customize CustomParamters configuration for (Workflows)?	Radio button: **Yes** **No** (Default)	Select the option, if you want to customize the CustomParamters configuration.
Do you have any customized custom TEST parameters to be set for (Workflows)? Please enter a single key=value pair in each line below the [reg] line ?	Example: [reg]DEVICESECONDPORTENABLED=N	Enter the required parameter(s) with single key value, if you want to configure any other functionality, which is not mentioned as a part of the questionnaire.
Do you have customized custom PROD parameters that are different from the customized custom TEST parameters (Workflows)?	Radio button: **Yes** **No** (Default)	Select the option, if you want to have any functionality different in PROD compared to Lab configuration.
Please enter customized custom PROD parameters as a single key=value pair in each line below the [reg] line for Cred-Only_P630	**<Textbox>**	Enter the required PROD parameter(s), which you need to add as a single key=value pair in each line below the [reg] line.
Would you like to customize IDS reference set configuration for (Workflows)?	Radio button: **Yes** **No** (Default)	Select the option, if you want to customize the IDS reference set configuration the new Workflow selected. If this is set to **No**, then no new IDS reference set will be created for new Workflow selected.
If you select **Yes**, then the following questions will appear:		
Please provide your DEV IDS Reference set ID for (Workflows)	**<Textbox>**	Provide existing DEV deployment Reference set ID for the new Workflow selected. **NOTE:** Please reach out to Verifone technical representative for more details.
Please provide your PROD IDS Reference set ID for (Workflows)	**<Textbox>**	Provide existing PROD deployment Reference set ID for the new Workflow selected. **NOTE:** Please reach out to Verifone technical representative for more details.

© Verifone Inc. All rights reserved.

XPI Application

Communication Settings

POS

Questions	Given Values and Default	Description
Please Enter the name of your POS Integrator	**<Textbox>**	Set a name for the POS integrator.
Please provide POS Integrator platform	Dropdown Options: **Windows** **Linux** **Android** **iOS**	Select the POS Integrator platform from the given list.
Please choose the type of connector	Dropdown Options: **Orange Cable** **Blue Cable** **USB Type A to Type B**	Select the type of connector cable from the given list. **NOTE:** This is applicable to Neo (VOS3) devices only with the following conditions: • Cable type is not applicable for WiFi network interface • Orange cable is not applicable for IP over USB interface • Blue Cable is not applicable for Ethernet network interface
Choose POS communication mode?	Dropdown Options: **TCP/IP** **Serial (RS232)** **Serial Over USB** **Serial Over Bluetooth** **Websockets**	Select the network connection for POS to communicate with the device from the given list.
If you select **TCP/IP** or **Websockets** as POS communication mode, then the following questions will appear:		
Choose primary port for POS communication?	Default: **12345**	Provide the primary port number on which the payment application will be listening.
Choose device Operating mode in TCP/IP communication?	Dropdown Options: **Server** (default) **Client**	Select the option to set the operating mode for the device.
If you select **Client**, then the following questions will appear:		
Please provide DEV Primary connection URL	**< Textbox >**	Provide the primary connection URL for DEV environment.
Please provide PROD Primary connection URL	**< Textbox >**	Provide the primary connection URL for PROD environment.

© Verifone Inc. All rights reserved.

Questions		Given Values and Default	Description
	Please provide DEV Primary connection Port	**< Textbox >**	Provide the primary connection port for DEV environment. **NOTE:** If you do not enter the port details, then the application will consider the primary port for POS communication.
	Please provide PROD Primary connection Port	**<Textbox>**	Provide the primary connection port for PROD environment. **NOTE:** If you do not enter the port details, then the application will consider the primary port for POS communication.
	Please provide DEV Secondary connection URL	**<Textbox>**	Provide the secondary connection URL for DEV environment.
	Please provide PROD Secondary connection URL	**<Textbox>**	Provide the secondary connection URL for PROD environment.
	Please provide DEV Secondary connection Port	**<Textbox>**	Provide the secondary connection port for DEV environment. **NOTE:** If you do not enter the port details, then the application will consider the primary port for POS communication.
	Please provide PROD Secondary connection Port	**<Textbox>**	Provide the secondary connection port for PROD environment. **NOTE:** If you do not enter the port details, then the application will consider the primary port for POS communication.
	Will you support SSL (Secure Sockets Layer) connection ?	Radio button: **Yes** **No** (default)	Select the option if you want to support for SSL connection between POS and the device.
	If you select **Yes** for SSL support, then the following questions will appear:		
	Will you support device Authex Keys for SSL connection ?	Radio button: **Yes** **No** (default)	Select the option if you want to support device Authex Keys for SSL connection.
	Would you like to make client authentication mandatory while using a device in server mode? ?	Radio button: **Yes** **No** (default)	Select the option if you want client authentication while using a device in server mode.
	If you select **No** for device **Authex Keys** for SSL connection support, then the following questions will appear:		
	Please provide DEV CA certificate		Upload the CA certificate for DEV environment (in PEM format). Maximum length is 100000.

© Verifone Inc. All rights reserved.

Questions		Given Values and Default	Description
	Please provide Prod CA certificate		Upload the CA certificate for PROD environment (in PEM format). Maximum length is 100000.
	Please provide DEV public key certificate ?		Upload the device certificate for DEV environment (in PEM format). Maximum length is 100000.
	Please provide Prod public key ?		Upload the device certificate for PROD environment (in PEM format). Maximum length is 100000.
	Please provide DEV Private key ?		Upload the private key for DEV environment (in PEM format).
	Please provide Prod Private key ?		Upload the private key for PROD environment (in PEM format).
	Will encryption be applied to the private key ?	Radio button: **Yes** **No** (default)	Select the option, if you want private keys to be encrypted.
	If you select **Yes** for encryption for the private key, then the following questions will appear:		
	Please provide Dev SSL passphrase Key part number?	**<Textbox>**	Provide the SSL passphrase Key part number for DEV environment.
	Please provide Prod SSL passphrase Key part number?	**<Textbox>**	Provide the SSL passphrase Key part number for PROD environment.
	Please provide Dev Customer Reference data?	**<Textbox>**	Provide the Customer Reference identifier for DEV environment.
	Please provide Prod Customer Reference data?	**<Textbox>**	Provide the Customer Reference identifier for PROD environment.
Please choose the baudrate		**Dropdown Options**: 300 600 1200 2400 4800 9600 19200 38400 57600 115200 (Default) 460800 921600 1000000 1152000 1500000	Select the baudrate from the given list. **NOTE:** This option is displayed for the following conditions: • If Serial Over USB communication mode and Orange Cable connector type is selected, then it is applicable for Neo devices (VOS3) except UX700-UWB. • Serial Over USB communication mode with USB Type A to Type B connector is applicable UX700-UWB device only. • Baudrate – 460800, 921600, 1000000, 1152000 and 1500000 are not applicable for Engage devices (VOS2).

© Verifone Inc. All rights reserved.

VHQ

Questions	Given Values	Description
Will VHQ be utilized for estate management?	Radio button: **Yes** (default) **No**	Select the option, if you want to utilize VHQ service for your estate management. **NOTE:** For more details about VHQ, please reach out to Verifone Sale representative.
Please select DEV VHQ Server	Dropdown Options: **VHQ Test US3** **VHQ Connect** **VHQ QA APAC** **VHQ NA VerifoneHQ** **Custom**	Select the DEV VHQ Server instance from the given list. VHQ Test US3 - https://vhqtest.us3.vfivcs.com/ VHQ Connect - https://vhq.connect.verifone.com/ VHQ QA APAC - https://qa.apac.verifonehq.net/ VHQ NA VerifoneHQ - https://vhqna.verifonehq.net/ Custom - If VHQ is hosted on-premise by the customer.
If you select **Yes** Custom for DEV VHQ Server, then the following question will appear:		
Please select Custom DEV VHQ Server	**<Textbox>**	Provide custom DEV VHQ Server details.
Please provide the DEV VHQ Customer ID	**<Textbox>**	Enter the DEV VHQ customer ID.
Please select the PROD VHQ Server	Dropdown Options: **VHQ Test US3** **VHQ Connect** **VHQ QA APAC** **VHQ NA VerifoneHQ** **Custom**	Select the PROD VHQ Server instance from the given list. VHQ Test US3 - https://vhqtest.us3.vfivcs.com/ VHQ Connect - https://vhq.connect.verifone.com/ VHQ QA APAC - https://qa.apac.verifonehq.net/ VHQ NA VerifoneHQ - https://vhqna.verifonehq.net/ Custom - If VHQ is hosted on-premise by the customer.
If you select **Yes** Custom for DEV VHQ Server, then the following question will appear:		
Please select Custom PROD VHQ Server	**<Textbox>**	Provide custom PROD VHQ Server details.
Please provide the PROD VHQ Customer ID	**<Textbox>**	Enter the PROD VHQ customer ID.
How often do you want the devices to ping VHQ (in seconds)?	Default: **900**	Enter the duration in seconds, the device is required to send its heartbeat to VHQ server.
How often do you want Mobile devices to ping VHQ (in seconds)?	Default: **3600**	Enter the duration in seconds, the Mobile device (e285, e280, 235 and v400m) is required to send its heartbeat to VHQ server.
Enter maintenance window start time (in HHMM)	Example: **0200**	Set the time to start the maintenance window and the time format is 24 hrs.
Enter maintenance window end time (in HHMM)	Example: **2300**	Set the end time for the maintenance window and the time format is 24 hrs.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Would you like to restrict maintenance to a few days of the week?	Radio button: **Yes** **No** (Default)	Select the option, if the restriction in maintenance to a few days of the week is required. If selected **Yes**, then the list of days is displayed from Sunday to Saturday. Check the necessary days for the maintenance.
How will you perform VHQ downloads?	Dropdown Options: **Manual Download** **Reference Sets**	Select the option, if you want to perform VHQ downloads manually or using the reference sets.

Network Setup

Questions	Given Values and Default	Description
Choose Communication Network Interface ?	Dropdown Options: **WiFi** **Ethernet** **IP Over USB** **IP Over Bluetooth** **No Network**	Select the communication network interface from the given list. Select **No Network** option, if there is no need for the device to connect to network.
Choose Communication Network Interface for Mobile Devices	Dropdown Options: **WiFi** **IP Over USB** **IP Over Bluetooth** **No Network**	Select the communication network interface from the given list for connecting Mobile Devices like, e280, e285, e235 and v400. Select **No Network** option, if there is no need for the device to connect to network.
Would you like to configure 802.1x authentication for network interface on Mobile device ?	Radio button: **Yes** **No** (Default)	Select the option, if you want to configure 802.1x authentication for network interface on Mobile devices. Refer to 802.1x Authentication for Network Interface for more details. **NOTE:** For Mobile devices, this configuration is applicable with WiFi network only.
If you select **YES** want to configure 802.1x authentication for network interface, then the following questions will appear:		
Please enter the DEV key part number required for WiFi 802.1x authentication on this device	**<Textbox>**	Provide the key part number for DEV environment.
Please enter the PROD key part number required for WiFi 802.1x authentication on this device	**<Textbox>**	Provide the key part number for PROD environment.
WiFi		
If you select **TCP/IP** or **Websockets** as POS communication mode or **VHQ** for estate management, then the following questions will appear:		

© Verifone Inc. All rights reserved.

Questions		Given Values and Default	Description
Would you like to configure 802.1x authentication for network interface ?		Radio button: **Yes** **No** (Default)	Select the option, if you want to configure 802.1x authentication for WiFi network. Refer to 802.1x Authentication for Network Interface for more details.
If you select **YES** to configure 802.1x authentication for network interface, then the following questions will appear:			
	Please enter the DEV key part number required for ethernet 802.1x authentication on this device.	**<Textbox>**	Provide the key part number for DEV environment.
	Please enter the PROD key part number required for ethernet 802.1x authentication on this device.	**<Textbox>**	Provide the key part number for PROD environment.
What kind of network do you want to configure for WIFI (Static or DHCP)?		Radio button: **Static** **DHCP** (default)	Select either of the network type.
If you select **Static** Network, then the following questions will appear:			
	How will you configure static IP details on the terminal ?	Dropdown Options: **Manual at store** **Same across all Devices** **Unique IP per Device**	Select the option from the dropdown list. **Manual at store -** Network setting will be performed in Store location manually. **Same across all Devices** - Same network settings will be applied to all the devices in the estate. **Unique IP per Device** - Setting up different Static IPs per device.
	Enter IP Address for WiFi network	**<Textbox>**	Provide IP Address for the WiFi network.
	Enter Network Mask for WiFi network	**<Textbox>**	Provide Network Mask for the WiFi network.
	Enter Gateway for WiFi network	**<Textbox>**	Provide Gateway for the WiFi network
	Enter first DNS for WiFi network	**<Textbox>**	Provide DNS1 for the WiFi network
	Enter second DNS for WiFi network	**<Textbox>**	Provide DNS2 for the WiFi network
	Enter SSID for WiFi network?	**<Textbox>**	Provide the SSID for your WiFi network.
	Is the WiFi network hidden?	Radio button: **Yes** **No** (Default)	Select the option, if you want to the SSID.
	What is the key management protocol for WiFi network?	Dropdown Options: **PSK** (Default) **EAP**	Select the key management protocol from the given list.

© Verifone Inc. All rights reserved.

Questions		Given Values and Default	Description
	Enter Password for WiFi network?	**<Textbox>**	Provide the password for your WiFi network.
	If you select **EAP** key management protocol, then the following questions will appear:		
	Enter Password for WiFi network?		Provide the password for your WiFi network.
	What is the EAP type for WiFi network?	Dropdown Options: **PEAP** **TLS** (Default) **TTLS**	Select the option from the dropdown list. As of this version only **TLS** is supported.
	Enter EAP Identity for WiFi network	**<Textbox>**	Provide the EAP Identity for WiFi network.
	Upload EAP CA certificate file for WiFi network		Upload the EAP CA certificate file.
	Upload EAP client certificate file for WiFi network		Upload the EAP client certificate file.
	Upload EAP private key file for WiFi network		Upload EAP private key file for WiFi network.
	Enter password for EAP private key file if it exists	**<Textbox>**	Provide the password for EAP private key file.
	Do you want to configure Additional WiFi network?	Radio button: **Yes** **No** (Default)	Select the option, if you want to configure additional WiFi network. If you select **Yes**, then the application supports five additional networks for WiFi and the required questions from SSID level are repeated.
Ethernet			
If you select **TCP/IP** or **Websockets** as POS communication mode or **VHQ** for estate management, then the following questions will appear:			
Would you like to configure 802.1x authentication for network interface ?		Radio button: **Yes** **No** (Default)	Select the option, if you want to configure 802.1x authentication for WiFi network. Refer to 802.1x Authentication for Network Interface for more details.
If you select **YES** to configure 802.1x authentication for network interface, then the following questions will appear:			
	Please enter the DEV key part number required for ethernet 802.1x authentication on this device.	**<Textbox>**	Provide the key part number for DEV environment.
	Please enter the PROD key part number required for ethernet	**<Textbox>**	Provide the key part number for PROD environment.

© Verifone Inc. All rights reserved.

Questions	Given Values and Default	Description
802.1x authentication on this device.		
What kind of network do you want to configure for ethernet (Static or DHCP)?	Radio button: **Static** **DHCP** (default)	Select either of the network type.
How will you configure static IP details on the terminal ?	Dropdown Options: **Manual at store** **Same across all Devices** **Unique IP per Device**	Select the option from the dropdown list. **Manual at store** - Network setting will be performed in Store location manually. **Same across all Devices** - Same network settings will be applied to all the devices in the estate. **Unique IP per Device** - Setting up different Static IPs per device.
Enter IP Address for Ethernet network	**<Textbox>**	Provide IP Address for the Ethernet network.
Enter Network Mask for Ethernet network	**<Textbox>**	Provide Network Mask for the Ethernet network.
Enter Gateway for Ethernet network	**<Textbox>**	Provide Gateway for the Ethernet network
Enter first DNS for Ethernet network	**<Textbox>**	Provide DNS1 for the Ethernet network
Enter second DNS for Ethernet network	**<Textbox>**	Provide DNS2 for the Ethernet network
Is this network configurations holds good for production?	Radio button: **Yes** (default) **No**	Select the option, if the same network configuration is applied to PROD environment. Select **Yes** to apply the settings in PROD and **No** to provide the details for PROD.
IP Over USB		
What kind of network do you want to configure for IP Over USB (Static or DHCP)?	Radio button: **Static** **DHCP** (default)	Select either of the network type.
If you select **Static** Network, then following questions will appear:		
How will you configure static IP details on the terminal ?	Dropdown Options: **Manual at store** **Same across all Devices** **Unique IP per Device**	Select the option from the dropdown list. **Manual at store** - Network setting will be performed in Store location manually. **Same across all Devices** - Same network settings will be applied to all the devices in the estate. **Unique IP per Device** - Setting up different Static IPs per device.
Enter IP Address for IP Over USB network	**<Textbox>**	Provide IP Address for the IP Over USB network.

© Verifone Inc. All rights reserved.

Questions		Given Values and Default	Description
	Enter Network Mask for IP Over USB network	**<Textbox>**	Provide Network Mask for the IP Over USB network.
	Enter Gateway for IP Over USB network	**<Textbox>**	Provide Gateway for the IP Over USB network
	Enter first DNS for IP Over USB network	**<Textbox>**	Provide DNS1 for the IP Over USB network
	Enter second DNS for IP Over USB network	**<Textbox>**	Provide DNS2 for the IP Over USB network

Card Configuration

Questions	Given Values	Description
Choose Kernel Version	Dropdown Options: **V3 Kernel Version** **V4 Kernel Version** **V4.5 Kernel Version** **V5 Kernel Version**	Select the EMV CTLS Kernel Version from the given list, that your solution has been certified with.
Which AIDs do you want to support?	Checkbox Options, example: **A0000000031010[VISA CREDIT]** **A0000000032010[VISA CREDIT]** **A0000000033010[VISA DEBIT]** etc.	Select from the list of EMV AIDs, that you want to support/accept in your solution.
For EMV Insert, what do you want to set your limit to for verifying card? Enter amount in cents	Default: **99999999**	Set the CVM limit for EMV Contact mode of transaction. Example, setting the limit of 1000, means in case of any transaction below 10$, no CVM will get applied and no PIN/Signature will be prompted.
For EMV Contactless/Tap, what do you want to set your limit to for verifying card? Enter amount in cents	Default: **99999999**	Set the CVM limit for EMV Contactless mode of transaction. Example, setting the limit of 1000, means in case of any transaction below 10$, no CVM will get applied and no PIN/Signature will be prompted.
What will be your configured Contactless Tap Limit? Enter amount in cents	Default: **99999999**	Set the maximum transaction limit for EMV Contactless transaction.
Would you like to customize Credit card EMV Insert and Contactless/Tap limits per scheme for card verification? Put the amount in cents.	Radio button: **Yes** **No** (default)	Select the option if you want to set the EMV limits per card scheme.
If you select **Yes**, then the following questions will appear:		

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
What limit would you like to configure for the EMV Insert card verification for {Card Scheme}? Put the amount in cents.		Set the CVM limit for EMV Contact mode of transaction for the given card scheme. Example, setting the limit of 1000, means in case of any transaction below $10.00, no CVM will get applied and no PIN/Signature will be prompted.
What limit would you like to configure for the EMV Contactless/Tap card verification for {Card Scheme}? Put the amount in cents.		Set the CVM limit for EMV Contactless mode of transaction for the given card scheme. Example, setting the limit of 1000, means in case of any transaction below $10.00, no CVM will get applied and no PIN/Signature will be prompted.
For EMV Insert, what do you want to set your limit to for verifying Debit card? Enter amount in cents		Set the CVM limit for EMV Contact mode of transaction for the Debit AIDs.
For EMV Contactless/Tap, what do you want to set your limit to for verifying Debit card? Enter amount in cents		Set the CVM limit for EMV Contactless mode of transaction for the Debit AIDs.
What will be your configured Contactless Tap Limit for Debit cards? Enter amount in cents		Set the maximum transaction limit for EMV Contactless transaction for the Debit AIDs.
Would you like to customize Debit card EMV Insert and Contactless/Tap limits per scheme for card verification? Put the amount in cents.	Radio button: **Yes** **No** (Default)	Select the option if you want to set the EMV limits for Debit AIDs per card scheme.
If you select **Yes**, then the following questions will appear:		
What limit would you like to configure for the EMV Insert card verification for {Card Scheme}? Put the amount in cents.		Set the CVM limit for EMV Contact mode of transaction for the given Debit AIDs.
What limit would you like to configure for the EMV Contactless/Tap card verification for {Card Scheme}? Put the amount in cents.		Set the CVM limit for EMV Contactless mode of transaction for the given Debit AIDs.
For EMV Insert, what do you want to set your limit to for verifying USCommonAID card? Enter amount in cents	Default: **99999999**	Set the CVM limit for EMV Contact mode of transaction for the given US Common Debit AIDs.
For EMV Contactless/Tap, what do you want to set your limit to for verifying USCommonAID card? Enter amount in cents	Default: **99999999**	Set the CVM limit for EMV Contactless mode of transaction for the given US Common Debit AIDs.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
What will be your configured Contactless Tap Limit for USCommonAID's? Enter amount in cents	Default: **99999999**	Set the maximum transaction limit for EMV Contactless transaction for the given US Common Debit AIDs.
For card insertion failure, how many retries will you permit before returning an error?	Default: **3**	Set the number of retries for card insertion failure, that you want to allow before returning any error. The maximum limit is set to 3 times.
For card tap failure, how many retries will you permit before returning an error?	Default: **3**	Set the number of retries for card tap failure, that you want to allow before returning any error. The maximum limit is set to 3 times.
For card swipe failure, how many retries will you permit before returning an error?	Default: **2**	Set the number of retries for card swipe failure, that you want to allow before returning any error.
Do you want to allow pin to be bypassed?	Radio button: **Yes** (Default) **No**	Select the option, if you want to enable the PIN bypass in PIN based transaction.
Do you want to disable contactless Mode ?	Radio button: **Yes** **No** (Default)	Select the option, if you want to disable the contactless mode on the device.
Do you want to disable Quick chip support ?	Radio button: **Yes** **No** (Default)	Select the option, if you want to disable the Quickchip for EMV transaction processing.
Would you like to configure additional EMV tags that are anticipated in the C31/F30 response for contactless transactions ?	**<Textbox>**	Set the EMV tags, that you want to receive in C31/F30 response for EMV contactless transactions.
Would you like to configure additional EMV tags that are anticipated in the C31/F30 response for contact transactions ?	**<Textbox>**	Set the EMV tags, that you want to receive in C31/F30 response for EMV contact transactions.

© Verifone Inc. All rights reserved.

Solution Features

General

Questions	Given Values	Description
Select application primary language	Dropdown Options: **English** (Default) **French** **Spanish**	Select the language to display on the device for the users to operate.
Which API commands will you support?	Checkbox Options: **D41** **C19** **S20** **I02** **S66** **S77** Default: **C19, S20, D41**	Select the required XPI commands, which will be supported in the application.
Choose Silent payment mode commands for Card read screen	Checkbox Options: **C30/F30** **S20** **D41**	Select the required XPI commands, that you want application not to display Card Read screen, so that POS have control of the UI.
Choose Silent Payment mode commands for Please wait screen	Checkbox Options: **C30/F30** **S20** **D41**	Select the required XPI commands, that you want application not to display Please Wait screen, so that POS have control of the UI.
Would you like to enable support for silent card removal (I02)?	Radio button: **Yes** **No** (Default)	Select the option, if you want application not to display card removal prompt during the I02 (Card Removal) command processing.
Does 72 command need to silently reset the state ?	Radio button: **Yes** **No** (Default)	Select the option, if you want application not to display any prompt during the 72 (Reset) command processing.
Would you like formname to be added in Formevent?	Radio button: **Yes** **No** (Default)	Select the option, if you want Formname to be included in the XEVT (FormEvent) response. **NOTE:** Refer to Form Processors Specification guide for more details on this command.
Would you like to enable the Application Selection Flow?	Radio button: **Yes** **No** (Default)	Select the option, if you want user to select the particular AID on the device, if the card has multiple AIDs on it.
Do you want POS systems to control Application Selection ?	Radio button: **Yes** **No** (Default)	Select the option, if you want POS to control the selection of particular AID, if the card has multiple AIDs on it.
If you select **Yes**, then the following question will appear:		

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Is Recursive U01 needs to be enabled ?	Radio button: **Yes** **No** (Default)	Select the option, if you want POS to process the U01 command. **NOTE:** U01 command is used to let POS decide which AIDs to be excluded from the candidate list. Please reach out to Verifone Sale representative for more details.
Is pre-event notification required ?	Radio button: **Yes** **No** (Default)	Select the option, if you want to enable the notification tag used in U02 command.
Is post-event notification required ?	Radio button: **Yes** **No** (Default)	Select the option, if you want to enable the notification tag used in U02 command.
Will you support WIC ?	Radio button: **Yes** **No** (Default)	Select the option, if you want to accept WIC cards in your solution.
Do you have any custom TEST parameters to be set? Please enter a single key=value pair in each line below the [reg] line	Example: [reg] AMTFMT=CnsnnnsnnN.NN	Enter the required parameter(s) with single key value, if you want to configure any other functionality, which is not mentioned as a part of the questionnaire.
Do you have custom PROD parameters that are different from the custom TEST parameters?	Radio button: **Yes** **No** (Default)	Select the option, if you want to have any functionality different in PROD compared to Lab configuration. If you select **No**, then custom TEST parameters, which is set, will be added to PROD configuration.
If you select **Yes**, then enter the following details:		
Please enter custom PROD parameters as a single key=value pair in each line below the [reg] line	<Textbox>	Enter the required PROD parameter(s), if you want to have any functionality different in PROD compared to Lab configuration.
Do you have any custom parameters to be removed? Please enter a single key value in each line, for example - reg/SACOM	**<textbox>**	Enter the required parameter(s) with single key value, if you need to remove due to not being supported by the selected solution. Proceeding with the parameters, which are not supported, will restrict the build generation process with an error message. The unsupported parameter name will be present in that error message.
Do you want to remove any PROD parameters that are different from those to be removed from TEST parameters mentioned above?	Radio button: **Yes** **No** (Default)	Select the option, if you need to remove any PROD parameters that are different from those to be removed from TEST parameters mentioned above. If you select **No**, then the custom TEST parameters from the above list, will be removed from PROD configuration.

© Verifone Inc. All rights reserved.

Questions		Given Values	Description
If you select **Yes**, then enter the following details:			
	Please enter the PROD parameters as a single key value in each line, for example - reg/SACOM	<Textbox>	Enter the required PROD parameter(s), if you need to remove due to not being supported by the selected solution. Proceeding with the parameters, which are not supported, will restrict the build generation process with an error message. The unsupported parameter name will be present in that error message.
Choose the macing mode		Dropdown Options: **No MAC** (Default) **DUKPT MAC** **Interac MAC**	Select the MAC verification mode from the dropdown list.

Wallet/MiFare Services

Questions		Given Values	Description
Will you support Apple VAS or Google VAS?		Radio button: **Yes** **No** (Default)	Select the option, if support for Apple VAS or Google VAS configuration is required.
If **VAS support is required**, then the following questions will appear:			
	Please enter Apple Pay URL	**<Textbox>**	Enter the Apple Pay URL.
	Please enter Apple Pay Merchant ID	**<Textbox>**	Enter the Apple Pay merchant ID.
	Please enter Google Wallet URL	**<Textbox>**	Enter the Google Wallet URL.
	Please enter Google Wallet Merchant ID	**<Textbox>**	Enter the Google Wallet merchant ID.
	Please enter DEV Encryption Key ID for wallet services	**<Textbox>**	Provide the encryption key ID for wallet services, required for DEV environment.
	Please enter PROD Encryption Key ID for wallet services	**<Textbox>**	Provide the encryption key ID for for wallet services, required for PROD environment.
Do you want to enable MIFARE support for card acceptance ?		Radio button: **Yes** **No** (Default)	Select the option if you want to support/accept MIFARE card taps with Contactless mode in your solution.

© Verifone Inc. All rights reserved.

Commerce Platform

Questions	Given Values	Description
Will you support Alternative Payment Methods (APM's) configuration (i.e. Venmo, PayPal, etc.)?	Radio button: **Yes** **No** (Default)	Select the option, if you want to support Alternative Payment Methods.
Which APMs will you support?	Check box Options: **Paypal, Venmo, Klarna, Wechat, Alipay, Affirm**	If selected **Yes** in the previous question, then select the required APMs from the given list.

UI/UX Configuration

Questions	Given Values	Description
Do you want XPI to control idle display ?	Radio button: **Yes** (Default) **No**	Select the option, if you want application to control the Idle screen display on the device.
If you select **Yes**, then the following questions will appear:		
What should the type of media on the Idle Screen be?	Dropdown Options: **Disable** **Text** **Image** **Video**	Select the option for the type of media, that you want to display or run on the Idle Screen.
Please Provide first text to be displayed on the IDLE Screen	Example: **WELCOME**	Set the first line text to display on the device screen.
Please Provide Second text to be displayed on the IDLE Screen	**<Textbox>**	Set the second line text to display on the device screen.
Please Provide third text to be displayed on the IDLE Screen	**<Textbox>**	Set the third line text to display on the device screen.
Please Provide fourth text to be displayed on the IDLE Screen	**<Textbox>**	Set the fourth line text to display on the device screen.
Do you want to disable Advertisement Screen ?	Radio button: **Yes** **No** (Default)	Select the option, if you do not want application to display the Advertisement Screen on the device.

© Verifone Inc. All rights reserved.

Encryption

Questions	Given Values	Description
Choose your host encryption type	Dropdown Options: **ADE** **VSP** **VSP (AESDUKPT)** **PKI** **Voltage** **ACI** **PKE** **TRA** **NOE** (Default)	Select the host encryption type from the dropdown list. Based on the encryption type selected, the following questions will appear.
Would you like to encrypt secure data input command (Z55) ?	Radio button: **Yes** **No** (Default)	Select the option, if you want to encrypt the secure data input, using Z55 command.
If you select **Yes**, then the following question will appear:		
Please select encryption type for encrypting secure prompts	Dropdown Options: **ADE** **PKI**	Select the encryption type for the secure data input prompts.
If you select **ADE**, then the following questions will appear:		
Please Provide the DEV Encryption Key IDs for encrypting secure prompts	**<Textbox>**	Provide the encryption key ID for DEV environment, for encrypting secure prompts.
Please Provide the PROD Encryption Key IDs for encrypting secure prompts	**<Textbox>**	Provide the encryption key ID for PROD environment, for encrypting secure prompts.
Please provide your Test/Dev Debit key part number	**<Textbox>**	Provide the Dev Debit key part number. **NOTE:** Please reach out to Verifone technical representative for more details.
Please provide your Production Debit key part number	**<Textbox>**	Provide the production Debit key part number. **NOTE:** Please reach out to Verifone technical representative for more details.
Which key slot should be used for DUKPT key injection on Test terminals?	Dropdown Options: **0** (Default) **1** **2**	Select the Key slot in the Test device, you want to use for for DUKPT key injection.
Which key slot should be used for DUKPT key injection on Production terminals?	Dropdown Options: **0** (Default) **1** **2**	Select the Key slot in the PROD device, you want to use for for DUKPT key injection.
If you select **ADE** or **ACI** or **VSP (AESDUKPT)** encryption type, then then the following questions will appear:		
Please enter DEV Encryption Ky ID	**<Textbox>**	Provide the encryption key ID for DEV environment.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Please enter PROD Encryption Key ID	**<Textbox>**	Provide the encryption key ID for PROD environment.
Do you want to exclude any card ranges from encryption?	Radio button: **Yes** **No** (Default)	Select the option, if you want to exclude any card ranges from the encryption.
If you select **Yes**, then the following questions will appear:		
Enter first excluded PAN Range [Low-High]	**<Textbox>**	Provide the PAN Range for the card, Low and High. If you have multiple card ranges to exclude, then enter the PAN ranges below. This application supports 15 entries for PAN ranges.
Do you want to exclude any custom card ranges in CAMCRYPTO.BIN?	Radio button: **Yes** **No** (Default)	Select the option, if you want to exclude any custom card ranges from the CAMCRYPTO.BIN.
Enter the custom BIN exclusion data to append to CAMCRYPTO.BIN		If you select **Yes**, then enter the custom BIN to append to CAMCRYPTO.BIN.
If you select **VSP** encryption type, then then the following questions will appear:		
Please upload the DEV VCL settings file		Upload the VCL settings file for DEV environment. Maximum length is 2048.
Please enter DEV Encryption Key ID		Provide the encryption key ID for DEV environment.
Please upload the Prod VCL settings file		Upload the VCL settings file for PROD environment. Maximum length is 2048.
Please enter PROD Encryption Key ID		Provide the encryption key ID for PROD environment.
Do you want to exclude any card ranges from encryption?	Radio button: **Yes** **No** (Default)	Select the option, if you want to exclude any card ranges from the encryption.
If you select **Yes**, then following questions will appear:		
Enter the bin exclusion contents of DEV kmailin.tgx	**<Textbox>**	Provide the BIN exclusion contents of DEV kmailin.tgx.
Enter the bin exclusion contents of PROD kmailin.tgx	**<Textbox>**	Provide the BIN exclusion contents of PROD kmailin.tgx.
Do you want to support extended vclsettings file?	Radio button: **Yes** **No** (Default)	Select the option, if you want to support extended vclsettings file.
If you select **Yes**, then following questions will appear:		
Please upload the Extended DEV VCL settings file		Upload the Extended DEV VCL settings file.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Please upload the Extended PROD VCL settings file		Upload the Extended PROD VCL settings file.
If you select **PKI** or **Voltage** or **PKE** or **TRA** encryption type, then then the following questions will appear:		
Do you want to exclude any card ranges from encryption?	Radio button: **Yes** **No** (Default)	Select the option, if you want to exclude any card ranges from the encryption.

Device Setup

Display

Questions	Given Values	Description
How long should the terminal wait (in seconds) for customer input?	Default: **299**	Set the time duration in seconds, for the device to capture the customer inputs as part of the payment transaction flow.
Do you want to Set device time using Android Time Service ?	Radio button: **Yes** (Default) **No**	Select the option, if you want to use the Android Time Service to set the device. **NOTE:** This is applicable for M440 and M424 devices.
What color do you want to display for status bar on android devices ?	Default: **#0055CC**	Set the color code for the Status bar to be displayed on M440 and M424 devices.
What color do you want to specify for signature capture ?	Dropdown Options: **Black** (Default) **Blue** **Red**	Select the color option, that you want to see the signature to appear on the screen.

Sound

Questions	Given Values	Description
What percentage would you like to set system volume to?	Default: **100**	Set the system volume in percentage, maximum value is 100%.
Would you like audible notification for successful swipe?	Radio button: **Yes** **No** (Default)	Select the option, if you want to set a notification tone for every successful swipe.
What percentage would you like to set remove card tone volume to?	Default: **75**	Set the volume in percentage for remove card tone, maximum value is 100%.

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Do you want to disable beep on key press ?	Radio button: **Yes** **No** (Default)	Select the option, if you want to disable beep on key press.

Software

Questions	Given Values	Description
What time do you want your terminal configured to reboot everyday?	Default: **03:00:00**	Set the time in 24hr format for the device to honour the mandatory PCI reboot.
Does customer need anti skimmer tool ?	Radio button: **Yes** **No** (Default)	Select the option, if you want to include anti skimmer software as part of your solution. **NOTE:** Anti skimmer probe is needed to detect the skimmer activities on the device.
After how much time (in seconds) should the terminal go into standby mode on battery?	Default: **15**	Set the time duration in seconds for the battery device to go into standby mode.
After how much time (in seconds) should the terminal go into sleep mode on battery?	Default: **-1**	Set the time duration in seconds for the battery device to go into sleep mode.
After how much time (in seconds) should the terminal go into deep sleep mode on battery?	Default: **30**	Set the time duration in seconds for the battery device to go into deep sleep mode.
After how much time (in seconds) should the terminal go into standby mode on Linepowered?	Default: **15**	Set the time duration in seconds for the Linepowered device to go into standby mode.
After how much time (in seconds) should the terminal go into sleep mode on Linepowered?	Default: **-1**	Set the time duration in seconds for the Linepowered device to go into sleep mode.
After how much time (in seconds) should the terminal go into deep sleep mode on Linepowered?	Default: **-1**	Set the time duration in seconds for the Linepowered device to go into deep sleep mode.
Do you want to disable keypad backlight ?	Radio button: **Yes** **No** (Default)	Select the option, if you want to disable the backlight for keypad.

© Verifone Inc. All rights reserved.

Deployment Setup

Password

Questions	Given Values	Description
Please provide your System Mode Password	Default: **1668321**	Set the system mode password, that you want to set it on device.
Please provide your Production password key part number		Provide the Production password key part number
Upload Production password certificate file		Upload the certificate file for production password. This detail should be available in BRD document.
Please provide your Test/Dev password key part number	Default: **A-KEYTST-VFI-UPWD**	Provide the Dev password key part number.
Upload DEV password certificate file		Upload the certificate file for dev password. This detail should be available in BRD document.
Do you want to provide other system Mode passwords?	Radio button: **Yes** **No** (Default)	Select the option, if you want to set password for other users on the device.
If you select **Yes**, then the following questions will appear:		
Please provide your Level1 Password	**<Textbox>**	Set the password for level 1.
Please provide your Level2 Password	**<Textbox>**	Set the password for level 2.
Please provide your Maintenance Password	**<Textbox>**	Set the password for level maintenance.
Is the above System Mode Password holds good for DEV environment?	Radio button: **Yes** (Default) **No**	Select the option, if you want to set the same PROD devices password for the Lab devices.
If you select **No** for Dev Environment, then the following questions will appear:		
Please provide your DEV System Mode Password	Default: **1668321**	Set the system mode password for the Lab devices.
Please provide your Com Control Password (CCP)	Default: **200331**	Set the password to access the Com Control Panel on the device.

© Verifone Inc. All rights reserved.

Release

Questions	Given Values	Description
Please provide the release epic (ANB/ANC)	**<Textbox>**	Provide the registered ticket details, used to receive all reports on the release.
Please provide Signing Certificate for Lab Packages	**Default -** VeriFone Development	Enter **VeriFone Development**. This is Case sensitive.
Please provide Signing Certificate for Prod Packages	**<Textbox>**	Enter the name of the signing certificate that is used to sign the PROD packages. The value for this filed is Case sensitive.
Please provide Android signing certificate for Production packages	**<Textbox>**	Enter the name of the online signing certificate that is used to sign the Android specific PROD packages. The value for this filed is Case sensitive. **NOTE:** Reach out to Verifone representative if want to the values for this field.
Please provide CID value for signing certificate of PROD packages	**<Textbox>**	Enter the CID value of the production signing certificate. This field is applicable, only if the Host Encryption type is selected as ADE. **NOTE:** Reach out to Verifone representative if want to the values for this field.
Please Provide Estate Owner Name present in RSR portal	**<Textbox>**	Enter the Estate owner name present in deployment portal (RSR portal). **NOTE:** Reach out to Verifone representative if want to the values for this field.
Please Provide Production sponsorId present in RSR portal	**<Textbox>**	Enter the production sponsor certificate ID present in deployment portal (RSR portal). **NOTE:** Reach out to Verifone representative if want to the values for this field.
Please provide your DEV IDS Reference set ID		Provide existing DEV deployment Reference set ID. New customer can skip this field. **NOTE:** Please reach out to Verifone technical representative for more details.
Please provide your PROD IDS Reference set ID		Provide existing PROD deployment Reference set ID. New customer can skip this field. **NOTE:** Please reach out to Verifone technical representative for more details.
Do you want to validate reference set before creating in RSR portal	Radio button: **Yes** (Default) **No**	Select the option, if you want to validate the reference set before creating in deployment portal (RSR portal).

© Verifone Inc. All rights reserved.

Questions	Given Values	Description
Please select Yes if there is requirement to create IDS reference set per media banner	Radio button: **Yes** **No** (Default)	Select the option, if you have requirement to create IDS reference set per media banner. **NOTE:** This is applicable if there are multiple media banners under media section
Choose the package style for XPI Application, Config and ADK .	Dropdown Options: • Separate Bundles for XPI Application, Config and ADK • Combined Bundle for XPI Application + Config, Separate ADK bundle • Combined Bundle for XPI Application + Config, Separate Config Only bundle, ADK Bundle • Combined Bundle for XPI App+Config+ADK • Combined Bundle for XPI App+Config+ADK, Separate Config Only bundle	Select the option on how the packages of XPI software stack needs to be delivered. **NOTE:** In case of M440/M424 devices, all engage packages which are part of android build will be combined and combining the android package is not supported.

© Verifone Inc. All rights reserved.

Workflow Customization

Questions	Given Values	Description
Would you like to customize POS Communication configuration for the device (Workflows)?	Radio button: **Yes** **No** (Default)	Select the option, if customized device name on the payment device is required.
If you select **Yes**, then answer the following questions:		
Choose POS communication mode for the device (Workflows)?	Dropdown Options: **TCP/IP** **Serial (RS232)** **Serial Over USB** **Serial Over Bluetooth** **Websockets**	If selected **Yes** for the previous question, then choose a POS communication mode for the device from the dropdown list.
If you select **TCP/IP** or **Websockets,** then answer the following questions:		
Choose primary POS communication port for the device (Workflows)	Default: **12345**	Provide the primary port number on which the payment application will be listening.
Choose device Operating mode in TCP/IP communication for the device (Workflows)	Dropdown Options: **Server** **Client**	Select the option to set the operating mode for the device.
If you select **Client**, then answer the following questions:		
Please provide DEV Primary connection URL for the device (Workflows)		Provide the primary connection URL for DEV environment.
Please provide Prod Primary connection URL for the device (Workflows)		Provide the primary connection URL for PROD environment.
Please provide DEV Primary connection Port for the device (Workflows)		Provide the primary connection port for DEV environment. **NOTE:** If you do not enter the port details, then the application will consider the primary port for POS communication.
Please provide Prod Primary connection Port for the device (Workflows)		Provide the primary connection port for PROD environment. **NOTE:** If you do not enter the port details, then the application will consider the primary port for POS communication.
Please provide DEV Secondary connection URL for the device (Workflows)		Provide the secondary connection URL for DEV environment.
Please provide Prod Secondary connection URL for the device (Workflows)		Provide the secondary connection URL for PROD environment.
Please provide DEV Secondary connection Port for the device (Workflows)		Provide the secondary connection port for DEV environment.

© Verifone Inc. All rights reserved.

Questions		Given Values	Description
			NOTE: If you do not enter the port details, then the application will consider the primary port for POS communication.
	Please provide Prod Secondary connection Port for the device (Workflows)		Provide the secondary connection port for PROD environment. **NOTE:** If you do not enter the port details, then the application will consider the primary port for POS communication.
	Will you support SSL(Secure Sockets Layer) connection for the device (Workflows)	Radio button: **Yes** **No** (Default)	Select the option if you want to support for SSL connection between POS and the device.
	If you select **Yes**, then the following questions will appear:		
	Please provide DEV CA certificate for the device (Workflows)		Upload the CA certificate for DEV environment (in PEM format). Maximum length is 100000.
	Please provide Prod CA certificate for the device (Workflows)		Upload the CA certificate for PROD environment (in PEM format). Maximum length is 100000.
	Please provide DEV public key certificate for the device (Workflows)?		Upload the device certificate for DEV environment (in PEM format). Maximum length is 100000.
	Please provide Prod public key for the device (Workflows)?		Upload the device certificate for PROD environment (in PEM format). Maximum length is 100000.
	Please provide DEV Private key for the device (Workflows) ?		Upload the private key for DEV environment (in PEM format).
	Please provide Prod Private key for the device (Workflows)?		Upload the private key for PROD environment (in PEM format).
	Will encryption be applied to the private key for the device (Workflows)?	Radio button: **Yes** **No** (default)	Select the option, if you want private keys to be encrypted.
	If you select **Yes** for encryption for the private key, then the following questions will appear:		
	Please provide Dev SSL passphrase Key part number for the device (Workflows)?	**<Textbox>**	Provide the SSL passphrase Key part number for DEV environment.
	Please provide Prod SSL passphrase Key part number for the device (Workflows)?	**<Textbox>**	Provide the SSL passphrase Key part number for PROD environment.
	Please provide Dev Customer Reference data for the device (Workflows)?	**<Textbox>**	Provide the Customer Reference identifier for DEV environment.
	Please provide Prod Customer Reference data for the device (Workflows)?	**<Textbox>**	Provide the Customer Reference identifier for PROD environment.

© Verifone Inc. All rights reserved.

Questions		Given Values	Description
	Would you like to make client authentication mandatory while using a device in server mode for the device (Workflows) ?	Radio button: **Yes** **No** (default)	Select the option if you want client authentication while using a device in server mode.
Would you like to customize Encryption configuration for the device (Workflows)?		Radio button: **Yes** **No** (Default)	Select the option if you want to customize the Encryption configuration.
Choose your host encryption type for the device (Workflows)		Dropdown Options: **ADE** **VSP** **VSP (AESDUKPT)** **PKI** **Voltage** **ACI** **PKE** **TRA** **NOE** (Default)	Select the host encryption type from the dropdown list.
Based on the encryption type selected, the following questions will appear:			
	Please upload the DEV VCL settings file for the device (Workflows)		Please upload the DEV VCL settings file
	Please enter DEV Encryption Key ID for the device (Workflows)		Please enter DEV Encryption Key ID
	Please upload the Prod VCL settings file for the device (Workflows)		Please upload the Prod VCL settings file
	Please enter PROD Encryption Key ID for the device (Workflows)		Please enter PROD Encryption Key ID
	Do you want to support extended vclsettings file for the device (Workflows) ?	Radio button: **Yes** **No** (Default)	Select the option, if you want to support extended vclsettings file.
	Please upload the Extended DEV VCL settings file for (Workflows).		Upload the Extended DEV VCL settings file.
	Please upload the Extended PROD VCL settings file for (Workflows)		Upload the Extended PROD VCL settings file.
	Do you want to exclude any card ranges from encryption for (Workflows) ?	Radio button: **Yes** **No** (Default)	Select the option, if you want to exclude any card ranges from the encryption.
	Enter the bin exclusion contents of DEV kmailin.tgx for (Workflows)	**<Textbox>**	Provide the BIN exclusion contents of DEV kmailin.tgx.
	Enter the bin exclusion contents of PROD kmailin.tgx for (Workflows)	**<Textbox>**	Provide the BIN exclusion contents of PROD kmailin.tgx.

© Verifone Inc. All rights reserved.

Questions		Given Values	Description
	Enter first excluded PAN Range [Low-High] for (Workflows)	**<Textbox>**	Provide the PAN Range for the card, Low and High. If you have multiple card ranges to exclude, then enter the PAN ranges below. This application supports 15 entries for PAN ranges.
	Do you want to exclude any custom card ranges in CAMCRYPTO.BIN for (Workflows)?	Radio button: **Yes** **No** (Default)	Select the option, if you want to exclude any custom card ranges from the CAMCRYPTO.BIN.
	Enter the custom BIN exclusion data to append to CAMCRYPTO.BIN for (Workflows)		If you select **Yes**, then enter the custom BIN to append to CAMCRYPTO.BIN.
Will you support DUKPT PIN for (Workflows)?		Radio button: **Yes** **No** (Default)	Select the option, if you want to support DUKPT PIN.
Please provide your Test/Dev Debit key part number for (Workflows)		**<Textbox>**	Provide the Dev Debit key part number. **NOTE:** Please reach out to Verifone technical representative for more details.
Please provide your Production Debit key part number for (Workflows)		**<Textbox>**	Provide the production Debit key part number. **NOTE:** Please reach out to Verifone technical representative for more details.
Which key slot should be used for DUKPT key injection on Test terminals for (Workflows)?		Dropdown Options: **0** (Default) **1** **2**	Select the Key slot in the Test device, you want to use for for DUKPT key injection.
Which key slot should be used for DUKPT key injection on Production terminals for (Workflows)?		Dropdown Options: **0** (Default) **1** **2**	Select the Key slot in the PROD device, you want to use for for DUKPT key injection.
Would you like to customize IDS reference set configuration for (Workflows)?		Radio button: **Yes** **No** (Default)	Select the option, if you want to customize the IDS reference set configuration the new Workflow selected. If this is set to **No**, then no new IDS reference set will be created for new Workflow selected.
If you select **Yes**, then the following questions will appear:			
	Please provide your DEV IDS Reference set ID for (Workflows)	**<Textbox>**	Provide existing DEV deployment Reference set ID for the new Workflow selected. **NOTE:** Please reach out to Verifone technical representative for more details.
	Please provide your PROD IDS Reference set ID for (Workflows)	**<Textbox>**	Provide existing PROD deployment Reference set ID for the new Workflow selected. **NOTE:** Please reach out to Verifone technical representative for more details.

© Verifone Inc. All rights reserved.

Getting Help

This section addresses common questions and queries related to the application mostly on login assistance and usage.

Refer to the below **Frequently Asked Questions** (Know Before You Ask) for quick answers to specific issues. If you do not find the relevant information you are looking for here, please reach out to the Support team (Who's Here to Help) for further assistance.

Know Before You Ask

Q:	How can I gain access to JSD or Okta credentials if I currently do not have them?
A:	**JSD (Jira Service Desk):** Please reach out to Verifone Representative for assistance. **Okta:** Raise an IT request for **Okta SSO** access for **OK-AC-APP-BRD-PROD** group.

Q:	If I forgot my password, whom should I contact for assistance?
A:	**JSD Credentials:** Please reach out to Verifone Service Desk for assistance.

Q:	What should I do if I encounter issues with accessing Okta?
A:	Please reach out to your IT Administrators on the issue that you encountered.

Q:	What should I do if my user role has not been assigned in the MSR portal?
A:	Please reach out to Vinnoth Kumar and Praveen PVS for to have Admin role.

Q:	How can I delete a profile from the MSR portal?
A:	It is not possible to delete a profile directly from the MSR portal, due to the portal system restrictions. Please reach out to the MSR Portal team for further assistance.

Q:	Whom should I contact if any link in Build and Test Result section, is not working?
A:	Please reach out to your MSR Portal team for the assistance.

© Verifone Inc. All rights reserved.

Q:	Whom should I contact if Jenkins link in Build and Test Result section, is not working?
A:	Please reach out to your IT Administrators for the assistance.

Q:	Can I edit details in the Profile tab directly?
A:	No, most details are generated from the inputs provided while creating the Profile and cannot be edited directly here.

Q:	Can I modify configurations after completing the questionnaire?
A:	Yes, configurations can be updated before the build is generated.

Q:	What types of media files can be uploaded?
A:	Typically, image files (e.g., PNG, JPG) for branding, logos; specific requirements may apply.

Q:	Where do these media files appear in the application?
A:	Media files are used in device workflows and user interfaces, depending on the configuration.

Q:	Where do these media files appear in the application?
A:	Media files are used in device workflows and user interfaces, depending on the configuration.

Q:	When should I generate a build?
A:	The build proceeds to testing, production signing, and then deployment stages.

Q:	What steps should be taken if there is a mismatch between the cloned and parent merchant profiles?
A:	Validate the cloned profile against the parent profile to identify any mismatches and resolve any discrepancies before proceeding with the next required activities. For further assistance, please reach out to MSR Portal team.

Q:	Will upgrading a solution affect my existing configurations?
A:	In most cases, configurations are retained, but it's recommended to review and validate them post-upgrade for compatibility.

© Verifone Inc. All rights reserved.

Q:	Can I roll back to a previous version if the upgrade fails?
A:	Rollback options depend on your platform's capabilities; it's advised to back up configurations before upgrading.

Q:	Can I edit the configuration after it's submitted?
A:	Yes, configurations can be updated before generating a new build. However, a new build is required to reflect the changes.

Q:	What gets copied when a merchant profile is cloned?
A:	Typically, application settings, configuration selections, BIN data, and media files are duplicated. Sensitive or unique identifiers may need manual adjustment.

Q:	Can I modify a cloned profile before deployment?
A:	Yes, cloned profiles can be fully customized after duplication, allowing flexibility before build and deployment.

Q:	What happens after the build is created?
A:	The build proceeds to testing, production signing, and then deployment stages.

© Verifone Inc. All rights reserved.

Who's Here to Help

For the further assistance on any issues, please contact the **MSR Portal Support** team, catering in multiple levels.

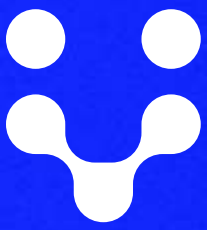
Level 1	Any issues related to the website hosting.	**Global Tools Team**
Level 2	UI and Portal functionality related issues	**NA Automaton Team**
Level 3	Questionnaire and mapping, maintaining the standard configuration details.	**NA Automaton Team**
Level 4	Automated (Build and Test) Release jobs related issues.	**NA Automaton Team**

© Verifone Inc. All rights reserved.

Verifone

North America Development
The Royal Center Four
11700 Great Oaks Way, Suite 210
Alpharetta, GA 30022

www.verifone.com



Thank you!

We are the payments architects who truly understand commerce.

As payment architects we shape ecosystems for online and in-person commerce experiences, including all the tools you need... from gateways and acquiring to fraud management, tokenization and reporting.

As commerce experts, we are here for you and your business. With our payment devices, our systems & solutions and our support. Everywhere. Anytime. So that your customers feel enabled, recognized and well taken care of, even beyond their expectations.

Verifone. Creating omni-commerce solutions that simply shape powerful customer experiences.