



https://verifone.cloud/docs/sca-functional-specification/config_params

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Configuration Parameters

This section is designed for developers and integrators, intended to provide details on the configuration and the list of parameters, to integrate POS systems and Verifone Engage devices to SCA 4.0 / Engage platform.

The purpose of Configuration Parameters section is to define the general parameters from PropertiesData.xml file, configuration menu, EMV parameters, those are necessary for the configuration of the payment device and the application to perform the functionalities.

Setup Details

SCA application setup requires the following packages to be downloaded and installed in the device. In case of a new device,

1. Download ADK package
2. Download SCA full package
3. Download SCA configuration package

The above mentioned packages can be downloaded from VHQ location or by using NetLoader. In case of updating only SCA application, instead of the full ADK package, the ADK Upgrader need to install. The component in the package includes PME, CAM, NAFG Library, VLF and the ADK.

Defining Terminologies for Configuration

Terminologies	Definitions
CREDIT CONVERSION	Credit conversion is an option, where the processors will convert the signature request to a PIN less debit request depending on certain criteria in the transaction request.

For EMV Configuration

Terminologies	Definitions
CREDIT PREFERRED	Credit+Debit+Smart Routing. [Dual cards with US common will select US common and send it as PINLESS. Security limit will be set to very high for US Common debit].
CREDIT ONLY	NO pure Debit AIDs, NO keys on the device, US Common will go as PINLESS and security limit will be 999999.

The following sections describe the details of all the configurations supported by Verifone SCA.

SCA Application Parameters

Parameters are stored locally in `config usr1` on Engage devices (press 1-5-9 and enter system password). `Config usr1` looks in `TranslateConfig.xml` file and updates `properties.db` accordingly. Therefore, when one uses a variable in a DLD or from VeriCentre, the name used will be in `TranslateConfig.xml`, whereas if one updates a setting directly via the Configuration menu it would be in `properties.db`.

Note

Designation of STANDALONE or STANDALONE ONLY indicates parameter supported only in the standalone environment.

PropertiesData.xml File

The `PropertiesData.xml` file contains all parameters necessary to configure the payment device (with the exception of the EMV INI configuration files).

The `TranslateConfig.xml` file contains a subset of the parameters contained in `PropertiesData.xml`. If users desire access through system mode, VeriCentre, or direct download (.dld) to the parameters in `PropertiesData.xml`, then the parameters must be included in `TranslateConfig.xml`; otherwise, users will need to change/update values directly in `PropertiesData.xml`.

When downloaded to the device, the `propertiesData.xml` file is put into SQLite database (`properties.db`), this contains:

- Host
- Merchant
- Devices
- Interfaces
- Currencies
- DCC Parameters
- Application Parameters
- OptFlags
- Deployment
- Card
- UDT
- Authorization
- Shift
- Store and Forward
- Surcharge
- Barcode

General Parameters

This section describes all the parameters from `TranslateConfig.xml` files with values and default values, those are common across all solutions.

- [AppConfig Parameters](#)
- [Application Parameters](#)
- [Authorization Parameters](#)
- [Barcode Parameters](#)
- [Bluetooth Parameters](#)
- [Commerce Platform Parameters](#)
- [Currencies Parameters](#)
- [DCC Parameters](#)
- [Deployment Parameters](#)
- [Device/PINPad Parameters](#)
- [Hosts Parameters](#)
- [Interfaces Parameters](#)
- [Merchant Parameters](#)
- [OptFlags Parameters](#)
- [Other Parameters](#)
- [Card Range Table \(PMEBIN.db\) Parameters](#)
- [Settlement Parameters](#)
- [Shift Parameters](#)
- [Store and Forward Parameters](#)
- [Surcharge Parameters](#)
- [Transaction Logging](#)
- [UDT Parameters](#)
- [VHQ Parameters](#)
- [WebSocket Parameters](#)
- [APM CP Application Parameters](#)

Host Specific Parameters

This section describes the parameters with values and default values, those are specific to the solutions.

- [Chase Parameters \(CHHC and CHCS\)](#)
- [FDRC Parameters](#)
- [GSC Parameters](#)
- [TSYS Parameters](#)
- [UGP Parameters](#)
- [Worldpay Parameters](#)

Additional Configuration Details

- [Configuration Menu](#)
- [EMV and INI Files Configurations](#)
- [User Defined Catalog Configurations](#)

- [Using Keyword “NULL”](#)
- [Parameters Not Configurable with SET_PARM](#)