Parameter Management

The **Parameter Management** feature makes it easier to configure, edit, download and manage the values of application parameters. You can define, configure values and download the application (including OS) parameters to the devices. The applications on the device comprises of a set of executable and configuration files which store the application parameters.

Parameter Management includes:

- **Setup/definition phase** that involves setting up all pre-requisite configurations to enable *Parameter Management*.
  - Configuration of software packages and applications.
  - Importing parameter definitions for the applications.
  - Importing parameter form view files for the applications.
  - Configuring parameter templates for the applications.
- **Configuration phase** that involves identifying the parameters (and their values) that need to manage for specific devices. It includes:
  - Assigning software packages to devices.
  - Assigning application parameter templates to devices.
  - Configuring the parameter values for specific applications for specific devices as required.

- **Downloads/Synchronize phase**: VHQ evaluates and builds the list of parameters in the appropriate format and downloads them to the device.

> VHQ supports parameter downloads only using automated downloads.

The VHQ full parameter downloads take place:

- When a package is assigned to a device for the first time.
- When existing Package 1.0 is being replaced by Package 2.0 (whenever package assignment is changed, full parameters will be downloaded).

VHQ supports the internationalization of parameter values to end users that cannot understand language, currency or data formats that are currently used in VHQ. This feature gives local user an advantage to edit or update parameter values.

The VPDX and VPFX files support UTF-8 (8-bit Unicode Transformation Format) for parameter values. Similarly, all validation related attributes in VPFX file also supports the UTF-8 for internationalization of parameter value.

UTF-8 language setting is defined in VPDX and VPFX files. However, at a time one application version can support one language.

> If the values are defined in VPDX and VPFX in Hebrew for a particular application version, users can view and edit values in Hebrew only.

Editing or updating the parameter values in locales can be either done through:

- Importing parameter definitions for applications with UTF-8 values into VHQ for devices parameters.
- Configuring UTF-8 values with the help of REST APIs.
- Editing those parameters in VHQ UI in language defined in VPDX.

> Edited UTF-8 values of parameters must be downloaded on to devices as is.