

HP Mobile Subscriber Activation Solution Pack v7.0.0

Release Notes



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In This Guide

This document aims to give a brief description of all the features included in the version 7.0.0 of the HP Mobile Subscriber Activation. For more information on the details of each feature, see the referenced documentation.

Audience

The primary audience for this guide is the user community in the organization of the CSP where MSA is deployed.

In addition this guide will serve as a general description of the MSA for system integrators and other audiences with a general interest, such as the CSP's IT experts.

References

Manuals for HP Mobile Subscriber Activation Solution Pack v7.0.0:

- HP Mobile Subscriber Activation SP v7.0.0 – User's Guide
- HP Mobile Subscriber Activation SP v7.0.0 – Services Specifications
- HP Mobile Subscriber Activation SP v7.0.0 – Delivery Guide

Acronyms

- MSA: Mobile Subscriber Activation
- PA: Protocol adapter
- RM: Report Module
- TM: Template Model
- WSC: WebService Connectivity
- HPSA: HP Service Activator

1. Product Identification

Product: MSA (Mobile Subscriber Activation)

Version: V7.0.0

Released: January 2015

2. Features

HP Mobile Subscriber Activation (MSA) is an HP Service Activator based solution to activate mobile services. It is packaged and distributed as commercial off-the-shelf (COTS) software. The solution will generally need to be adapted to the CSP's environment through a delivery project.

The solution includes the following elements:

- Service Catalog. Catalog driven service decomposition.
- Workflow and activation function. Connectivity with network elements.
- Product configuration to guarantee high performance with load balancing, and queue.

Additionally MSA provided some facilities/mechanisms to allow the CSP's customize the existing services to fit their needs without the need of add new developments. These mechanisms become MSA in a framework where the addition of new services can be done in an easy way.

The services includes in this release are:

- Activation of Voice and Data Mobile services on HLR over EMA of Ericsson.
- Activation of subscriptions on AUC and EIR over EMA of Ericsson.
- Activation of LTE (4G) services over HP HSS.
- Activation of Number Portability service (MNP) over Huawei equipments.
- Activation of Value-added services (VAS).
 - Voice Mail (VM) and Missed Call Alerts (MCA) over ZTE equipments.
 - Push to talk (PTT) service over Kodiak equipments.
 - OTA and OTA Backup service over Gemalto equipments
 - Blackberry service over RIM equipments.
- Activation of operator services, these kind of services are used by the Mobile Service Provider to manage some aspect of the subscriptions.
 - Device Manager (DM) over Gemalto equipments.
 - Service Manager (SM) over Gemalto equipments.
 - Service Delivery Platform (SDP) over Huawei equipments.

For each of these services this solution includes:

- Service Catalog definition. For more information about the service catalog definition see the HP Mobile Subscriber Activation HP Business Solution Pack v7.0.0 – Delivery Guide.
- Activation workflow to implement the business logic of the service.
- Equipment plugin to implement the communication with the network equipment.
- Inventory tree views to manage the inventory information.
- Examples of inventory data for each service

Capabilities included in this version:

- Webservice Connectivity Module, this module allows manage in an easy way the equipment plugin based on webservice.

The features includes in this module are:

- Flexible framework for webservice invocation.
 - Dynamic definition of node for invoked operations.
 - Dynamic loading of new interface descriptor (without stop the system).
 - User Interface integrated in the Solution Container to manage the webservice.
 - Automatic generation of webservice from the user interface.
 - The changes made on the webservice can be applied on the fly.
- Template Module, this module allows to manage in an easy way the equipment plugin based on command line interface.

The features includes in this module are:

- Flexible framework for webservice invocation.
 - UI application integrated into Solution Container for template design.
 - Cache of template supported by new module for HPSA.
 - New node for recover template from workflows.
 - Utility to export/import the templates.
 - Allows change a command template on the fly.
- Report Module, this module allows generating user report in an easy way.

The features includes in this module are:

- Support xml configuration for queries.
- UI application integrated in the Solution Container.
- Graphical representation of the reports is allowed.
- A new report can be added on the fly.

3. Installation Notes

The solution is built on HPSA V7.0 please refer to the HPSA documentation to see the system requirements.

For concrete information on the installation guide, please refer to the document HP Mobile Subscriber Activation SP v7.0.0 – Delivery Guide.

4. Verification of signed binary

HP products deliver on our 'trustworthy and reliable' brand promise. Creating and delivering an electronic cryptographic "signature" for HP code will give our customers an industry standard method to verify the integrity and authenticity of the code they received from HP before deployment.

The verification of the signed binary will be done by using GnuPG.

For RHEL (Red Hat Enterprise Linux) the GnuPgG is installed by default. You can check check the "gnupg" rpm package is installed with the following command line:

```
rpm -qa "gnupg*" .
```

If it is not installed, you can install it from your RHEL media via rpm or yum command.

To verify the signed code, you can use the following command:

```
gpg -verify <.sig file obtained from HPCSS> <input file>*.
```

The output should be as shown similar to one given bellow.

```
gpg: Signature made Mon 28 Jan 2013 10:40:32 AM CET using DSA key ID 2689B887
gpg: Good signature from "Hewlett-Packard Company (HP Codesigning Service)"
gpg: WARNING: This key is not certified with a trusted signature!
gpg:      There is no indication that the signature belongs to the owner.
Primary key fingerprint: FB41 0E68 CEDF 95D0 6681 1E95 527B C53A 2689 B887
```

NOTE: message "Good signature from "Hewlett-Packard Company (HP Codesigning Service)" "indicates the code sign verification is successful.