

LinqUs Device Manager 5.0

What's New?

Agenda

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- 4 Single Shot
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Naming Management

- ✧ Certain handsets have different names depending on marketing region. These handsets are the same model, and have identical software. These handsets are known as Variants in the market.
- ✧ For example:
 - Samsung SGH-D820 and Samsung SGH-T809 are similar handsets
 - Sony Ericsson K750i and Sony Ericsson K750c are similar handsets
 - Dopod 818 and HTC MAGICIAN are similar handsets
- ✧ Each Operator is interested to identify its local handsets, simplifying the customer care work and protecting its brand.

Naming Management: Group of Devices x Standalone

- ✧ **A Group of devices** defines a set of devices according to 1 referent device and 1...n Variant device(s).

Manufacturer	Model	Type	Status
Nokia	N70	Referent	Supported
Nokia	N70a	Variant	Supported
Nokia	N70b	Variant	Supported
HTC	100	Variant	Supported

- ✧ All devices under one group have the same status type.
- ✧ **Standalone** defines any device(s) that does not belong to any group.

Naming Management: Group Creation

The screenshot shows a software interface titled "Device Variant list". It features a "Manufacturer" dropdown menu set to "HTC" and a "Reference" text field containing "HTC/MAGICIAN". Below these are two list boxes: "Standalones" on the left and "Variants" on the right. The "Standalones" list contains several HTC device models. Between the lists are four buttons: "Add all >>", "Add >", "< Remove", and "<< Remove all". The "Variants" list currently contains three entries: "DOPOD/818", "02/XDA II MINI", and "QTEK/S100". At the bottom, there is a descriptive text line and an "Update" button.

Manufacturer	Reference
HTC	HTC/MAGICIAN

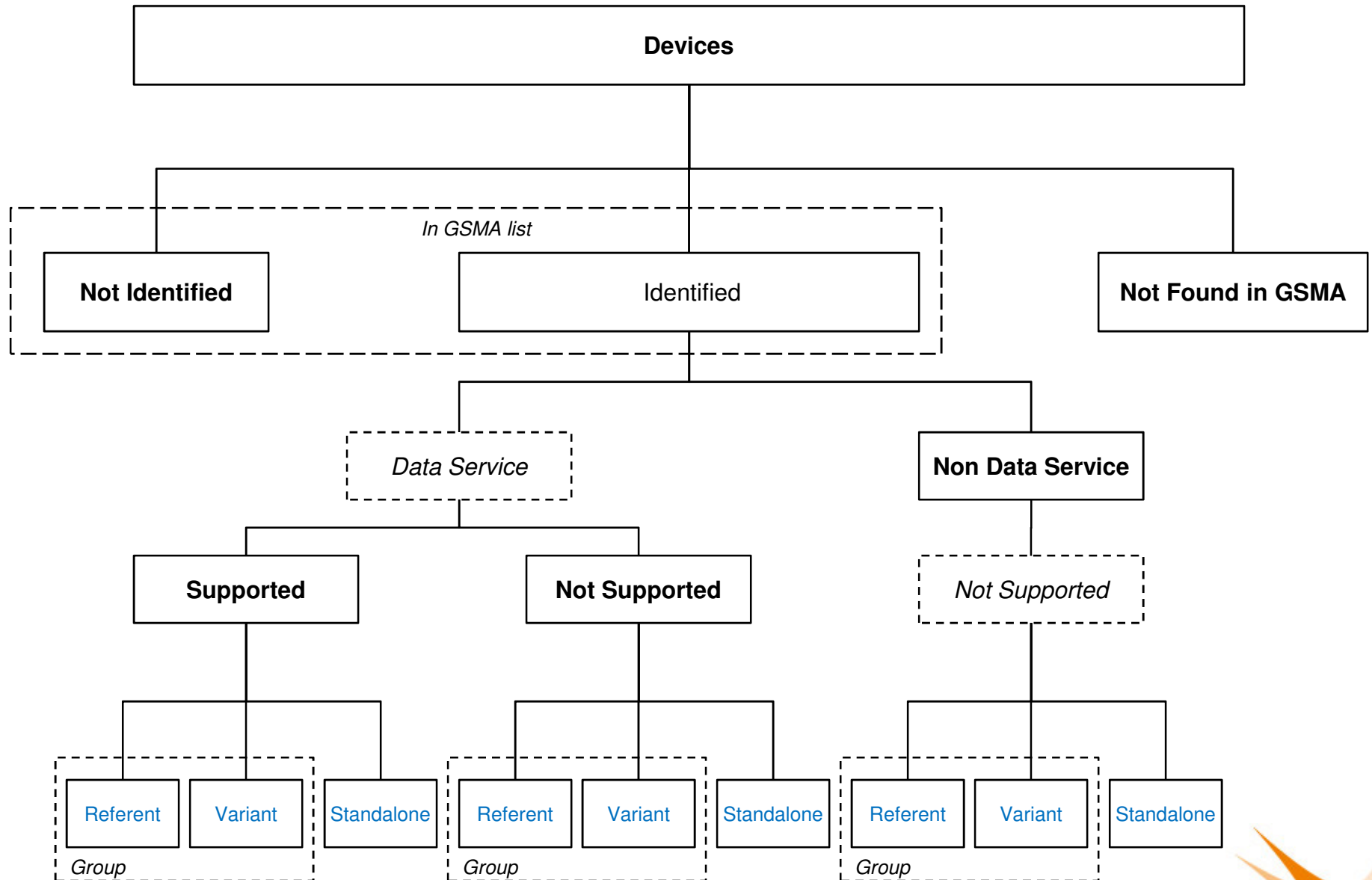
Standalones	Operation	Variants
HTC/ARTEMIS P3301	<div>Add all >></div> <div>Add ></div> <div>< Remove</div> <div><< Remove all</div>	DOPOD/818
HTC/EXCALIBUR S621		02/XDA II MINI
HTC/PHAROS P3470		QTEK/S100
HTC/ROSE S740		
HTC/SHIFT		
HTC/SIRIUS P6500		
HTC/TOUCH 3G		
HTC/TOUCH HD		
HTC/TOUCH PRO		
HTC/TOUCH VIVA		
HTC/WINGS S730		

Select a manufacturer to display standalone(s) and perform any operation to update the variant list.

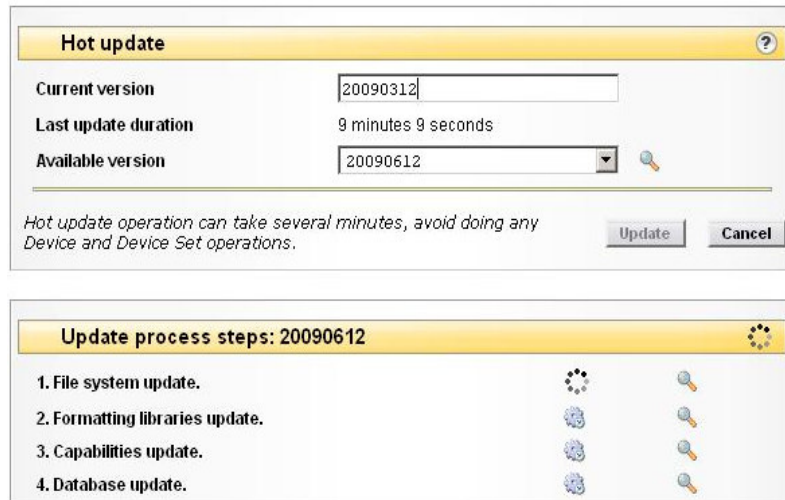
Update

- ✧ This feature enables you to group similar handsets together.
- ✧ For example the DOPOD 818 handset is a brand name of the HTC MAGICIAN handset.
- ✧ for easier management, you can group this device as a variant of the HTC MAGICIAN handset.
- ✧ If you change the configuration of the HTC MAGICIAN, the configuration of DOPOD 818 is also changed.

Naming Management: Device Classification



Hot Library Update



The 'Hot update' dialog box shows the current version as 20090312 and the available version as 20090612. The last update duration is 9 minutes 9 seconds. Below the dialog box, the 'Update process steps: 20090612' section lists four steps: 1. File system update, 2. Formatting libraries update, 3. Capabilities update, and 4. Database update. Each step is accompanied by a circular progress icon and a magnifying glass icon.

Hot update

Current version: 20090312

Last update duration: 9 minutes 9 seconds

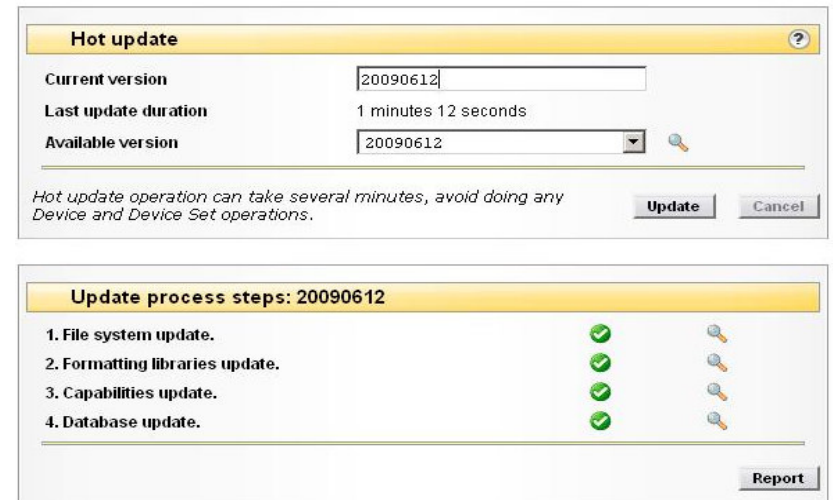
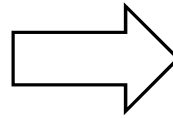
Available version: 20090612

Hot update operation can take several minutes, avoid doing any Device and Device Set operations.

Update Cancel

Update process steps: 20090612

1. File system update.
2. Formatting libraries update.
3. Capabilities update.
4. Database update.



The 'Hot update' dialog box now shows the current version as 20090612 and the last update duration as 1 minute 12 seconds. The 'Update process steps: 20090612' section shows the same four steps, but each is now accompanied by a green checkmark icon and a magnifying glass icon, indicating successful completion. A 'Report' button is visible at the bottom right of the steps section.

Hot update

Current version: 20090612

Last update duration: 1 minutes 12 seconds

Available version: 20090612

Hot update operation can take several minutes, avoid doing any Device and Device Set operations.

Update Cancel

Update process steps: 20090612

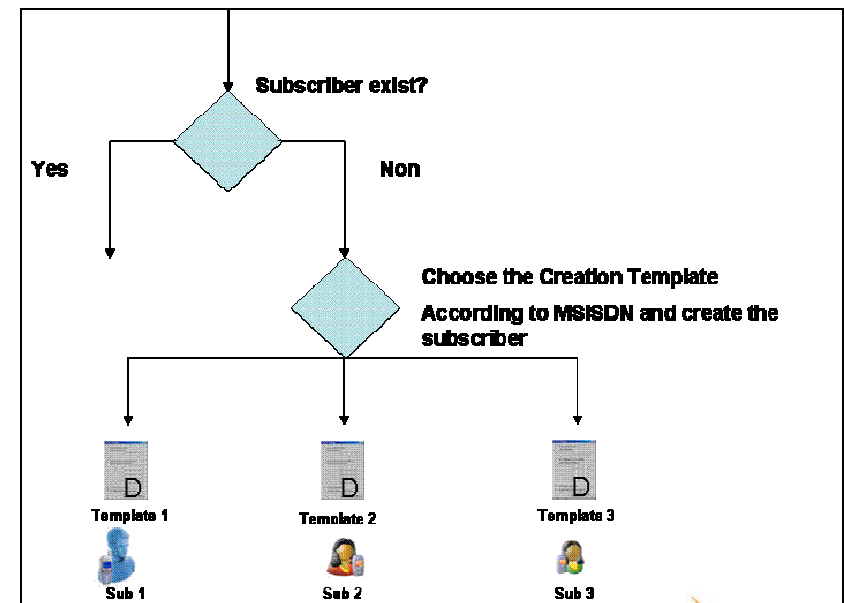
1. File system update.
2. Formatting libraries update.
3. Capabilities update.
4. Database update.

Report

- ✧ This feature enables you to update the library without stopping the Device Manager platform.
- ✧ If a Rollback is needed, it is performed automatically by the platform without impact on the traffic.
- ✧ A list of all handsets newly identified by the library is created. It may be used for configuration campaigns

User Templates

- ✧ User Templates are a Mechanism **to create** new subscribers in the subscriber database **or to update subscribers configuration after an automatic device detection.**
- ✧ Rules files now allow to choose templates based on:
 - **IMSI ranges**
 - **MSISDN ranges**
 - **IMEI lists**
 - **Devices lists**
- ✧ User Templates provide a set of **default characteristics** to assign to new subscribers (services, groups, ...).
- ✧ For more information, refer to *Customization Guide*.



Single Shot

- ✧ This feature allow sending **multiple setting sets in a single concatenated SMS**, which prevents conflicts and saves bandwidth.
- ✧ However, only a subset of devices, of services, and of formatting libraries support this feature:
 - Currently only **WDS Library** supports Single Shot feature.
 - Single Shot feature is only for **up to 5 services** at the same time:
 - **WAP** (WAPCSD or WAPGPRS)
 - **MMS** (MMSCSD or MMSGPRS)
 - **Internet** (DATA, DATAGPRS, DATACSD or WEB)
 - **POC**(POCGPRS)
 - **Streaming**.
- ✧ .
- ✧ If only one service is required, DM will not apply Single Shot policy.
- ✧ Only one service of each type can be send together using the Single Shot.
- ✧ “*Single shot available*” parameter active or not the functionality.
- ✧ “*Single shot Service Label*” parameter customizes the Single shot Group Name.

Settings Order

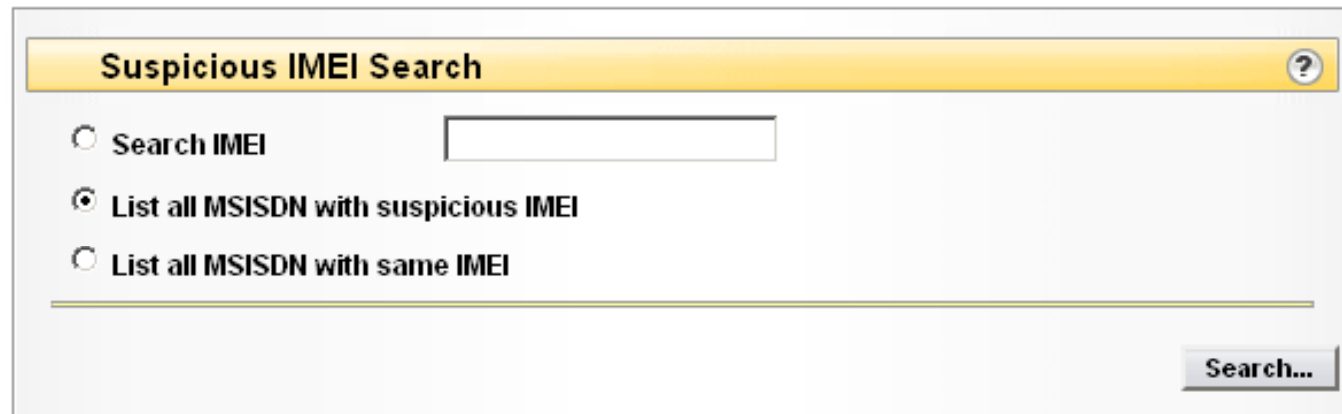


- ✧ Nokia N73 and Sony Ericsson W800i are some examples of handsets configured correctly only if the settings are received in a specific order.
- ✧ To avoid those handset restrictions, Device Manager V5.1 enables an administrator **to configure the order in which the data services are sent**.
- ✧ The platforms take into account this order when sending configurations to subscribers whatever the use case is (automatic configuration, push, APIs, and so on).
- ✧ The parameter “*Services Order*” uses a comma-separated list of service names. The Setting sets whose corresponding services are in this list are sent in the specified order.
 - Example: “BOOKMARK,WAP,MMS”



Suspicious IMEI

- ✧ This feature enables to you track IMEI that you think are suspicious. For example, handsets with a 0-value IMEI, or duplicate IMEIs.



The screenshot shows a web interface titled "Suspicious IMEI Search". It features three radio button options: "Search IMEI" (with an adjacent text input field), "List all MSISDN with suspicious IMEI" (which is selected), and "List all MSISDN with same IMEI". A "Search..." button is located at the bottom right of the form.

- ✧ You can use this feature to identify your subscribers with Suspicious IMEI and/or your subscribers that have an identical IMEI.