Direct link to xml file

Maxwell Basic, 2 and 3

Below you can find examples via different Methods how to provide the device with an provisioning URL and which files are downloaded.

There are 2 versions of XML files that can be downloaded:

1. Version 1.0 where multiple files are used to download Software, settings and special parameters.
2. Version 1.1 where one file is used that contains all. (**Preferred method**) Below is described how to create one xml file with all parameters.

URL via:	URL	Download	Comment
Redirect server	http://<SERVER URL>/%MACD.xml	http://<SERVER URL>/<MAC>.xml	
	http://<SERVER URL>/AABBCCDDEEFF.xml	http://<SERVER URL>/AABBCCDDEEFF.xml	
	http://<SERVER URL>	http://<SERVER URL>/provisioning.xml when provisioning.xml is not available http://<SERVER URL>/<MAC>.xml	The provisioning.xml contains information about the next files to be downloaded, see wiki article.
Web-interface	http://<SERVER URL>/%MACD.xml	http://<SERVER URL>/<MAC>.xml	
	http://<SERVER URL>/AABBCCDDEEFF.xml	http://<SERVER URL>/AABBCCDDEEFF.xml	
	http://<SERVER URL>	http://<SERVER URL>/provisioning.xml when provisioning.xml is not available http://<SERVER URL>/<MAC>.xml	The provisioning.xml contains information about the next files to be downloaded, see wiki article.
DHCP option 114	http://<SERVER URL>/%MACD.xml	http://<SERVER URL>/<MAC>.xml	
	http://<SERVER URL>/AABBCCDDEEFF.xml	http://<SERVER URL>/AABBCCDDEEFF.xml	
	http://<SERVER URL>	http://<SERVER URL>/provisioning.xml when provisioning.xml is not available http://<SERVER URL>/<MAC>.xml	The provisioning.xml contains information about the next files to be downloaded, see wiki article.
DHCP option 66 **DHCP option 15 is not available**	http://<SERVER URL>/%MACD.xml	http://<SERVER URL>/<MAC>.xml	
	http://<SERVER URL>/AABBCCDDEEFF.xml	http://<SERVER URL>/AABBCCDDEEFF.xml	
	http://<SERVER URL>	http://<SERVER URL>/provisioning.xml when provisioning.xml is not available http://<SERVER URL>/<MAC>.xml	The provisioning.xml contains information about the next files to be downloaded, see wiki article.
DHCP option 66 **DHCP option 15 is available**	http://<SERVER URL>/%MACD.xml	http://<SERVER URL>/%MACD.xml.<DHCP option 15>	Implemented for special provider
	http://<SERVER URL>/AABBCCDDEEFF.xml	http://<SERVER URL>/AABBCCDDEEFF.xml.<DHCP option 15>	
	http://<SERVER URL>	http://<SERVER URL>.<DHCP option 15>	

XML file version 1.1

On the server, the xml file contains info about:

- Firmware
- NVM (Settings), all parameters can be found here.
- Custom

Maxwell 3/B example

```
<?xml version="1.0" encoding="UTF-8"?>
<provisioning version="1.1" productID="mx3b">
  <firmware>
      <!-- Here you define the version of the software and the URL where to download the software -->
    <file version="2.24.7" url="http://192.168.178.101/device/maxwell/GC_MAX_2.24.7-release.bin" />
  </firmware>
  <nvm>
      <!-- settings of the device -->
    <param name="PhoneUI.Settings.Confirmations" value="12121"/>
    <param name="PhoneUI.Settings.KeyClick" value="221122"/>
  </nvm>
  <custom>
      <!-- Special options -->
    <step type="certificate" url="/custom/certificate.cert" flags="FORCE_ACCEPT"/>
  </custom>
</provisioning>
```

N510 IP PRO

Below you can find examples via different Methods how to provide the device with an provisioning URL and which files are downloaded.

URL via:	URL	Download	Comment
Redirect server	http://<SERVER URL>/%MACD.xml	http://<SERVER URL>/<MAC>.xml	
	http://<SERVER URL> /AABBCCDDEEFF.xml	http://<SERVER URL>/AABBCCDDEEFF.xml	
	http://<SERVER URL>	http://<SERVER URL>	No file will be downloaded.
Web-interface	http://<SERVER URL>/%MACD.xml	http://<SERVER URL>/<MAC>.xml	Web-interface: Configuration file (URL) field is used.
	http://<SERVER URL> /AABBCCDDEEFF.xml	http://<SERVER URL>/AABBCCDDEEFF.xml	Web-interface: Configuration file (URL) field is used.
	http://<SERVER URL>	http://<SERVER URL>/42/2/master.bin	Web-interface: Dataserver field is used.
DHCP option 114	http://<SERVER URL>/%MACD.xml	http://<SERVER URL>/<MAC>.xml/42/2/master.bin	For DHCP option 114, only use the option: http://<SERVER URL>
	http://<SERVER URL> /AABBCCDDEEFF.xml	http://<SERVER URL>/AABBCCDDEEFF.xml/42/2/master.bin	For DHCP option 114, only use the option: http://<SERVER URL>
	http://<SERVER URL>	http://<SERVER URL>/42/2/master.bin when master.bin is not available http://<SERVER URL>/<MAC>.xml	
DHCP option 66	http://<SERVER URL>/%MACD.xml	http://<SERVER URL>/<MAC>.xml/<MAC>.xml	For DHCP option 66, only use the option: http://<SERVER URL>
	http://<SERVER URL> /AABBCCDDEEFF.xml	http://<SERVER URL>/AABBCCDDEEFF.xml/<MAC>.xml	For DHCP option 66, only use the option: http://<SERVER URL>
	http://<SERVER URL>	http://<SERVER URL>/<MAC>.xml	

Configuration file (URL) auto provisioning

Below you can find how to configure the Configuration file (URL) via auto provisioning.

XML parameters:

<S_CONFIGFILE_URL class="string" value='"provider URL/xml/<MAC address>.xml"'/>

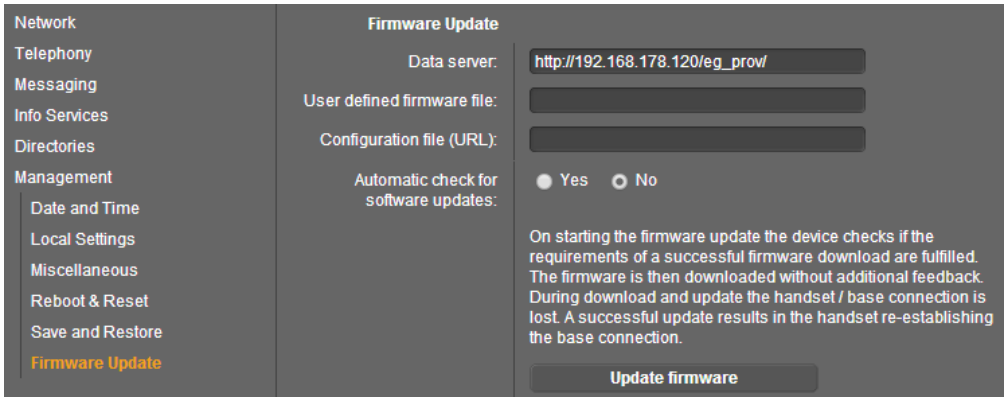
Please take care that extra ' ' are used.

Tag Name	Value	Location in web-interface
S_CONFIGFILE_URL or BS_IP_Data.aucS_CONFIGFILE_URL[0]	max. 74 characters from (0-9,a-z,A-Z,-,.); default is empty it must be complete/proper URL such as http://domain/path/filename.xml . From software 210 and higher, the placeholder %MACD is allowed, the device will replace this with it's own MAC address. Example: http://domain/path/%MACD.xml Important, the xml file name must contain capital letters <S_CONFIGFILE_URL class="string" value='"provider URL/xml/<MAC address>.xml"'/> or <BS_IP_Data.aucS_CONFIGFILE_URL[0] class="symb_item" value='"provider URL/xml/<MAC address>.xml"'/>	Settings -> Management -> Firmware Update -> Configuration file URL

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<ProviderFrame xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="N510.xsd">
<Provider>
<!-- Please enter the correct MAC Address example: 3E2F800E1234
Please enter correct Version value: DDMMYYHHMM example: 2811120928
Please enter a Profile name
If not correct, no setting will be done
-->
<MAC_ADDRESS value="7C2F80170386"/>
<PROFILE_NAME class="string" value="IPDEC"/>

<I_PHONE_SYSTEM class="integer" value="5"/>

<S_CONFIGFILE_URL class="string" value="'<provider URL>/device/xml/%MACD.xml'"/>

</Provider>

</ProviderFrame>
```

Web-interface:

Settings - Management - Firmware Update - Configuration file URL:



N720 IP PRO

Below you can find examples via different Methods how to provide the device with an provisioning URL and which files are downloaded.

URL via:	URL	Download	Comment
Redirect server	http://<SERVER URL>/%MACD.xml	http://<SERVER URL>/<MAC>.xml	
	http://<SERVER URL> /AABBCCDDEEFF.xml	http://<SERVER URL>/AABBCCDDEEFF.xml	
	http://<SERVER URL>	http://<SERVER URL>	No file will be downloaded.
Web-interface	http://<SERVER URL>/%MACD.xml	http://<SERVER URL>/<MAC>.xml	Web-interface: Configuration file (URL) field is used.
	http://<SERVER URL> /AABBCCDDEEFF.xml	http://<SERVER URL>/AABBCCDDEEFF.xml	Web-interface: Configuration file (URL) field is used.
	http://<SERVER URL>	http://<SERVER URL>/70/1/master.bin	Web-interface: Dataserver field is used.
DHCP option 114	http://<SERVER URL>/%MACD.xml	http://<SERVER URL>/%MACD.xml/70/1/master.bin	For DHCP option 114, only use the option: http://<SERVER URL>
	http://<SERVER URL> /AABBCCDDEEFF.xml	http://<SERVER URL>/AABBCCDDEEFF.xml/70/1 /master.bin	For DHCP option 114, only use the option: http://<SERVER URL>
	http://<SERVER URL>	http://<SERVER URL>/70/1/master.bin when master.bin is not available http://<SERVER URL>/<MAC>.xml	
DHCP option 66	http://<SERVER URL>/%MACD.xml	http://<SERVER URL>/<MAC>.xml/<MAC>.xml	For DHCP option 66, only use the option: http://<SERVER URL>
	http://<SERVER URL> /AABBCCDDEEFF.xml	http://<SERVER URL>/AABBCCDDEEFF.xml /<MAC>.xml	For DHCP option 66, only use the option: http://<SERVER URL>
	http://<SERVER URL>	http://<SERVER URL>/<MAC>.xml	

Configuration file (URL) auto provisioning

Below you can find how to configure the Configuration file (URL) via auto provisioning.

SYMB_ITEM ID="BS_IP_Data.aucS_CONFIGFILE_URL" class="string" value="'http://....path to xml file....'"/>

With this values IWU will download profile from aucS_CONFIGFILE_URL after every check-sync /reboot.

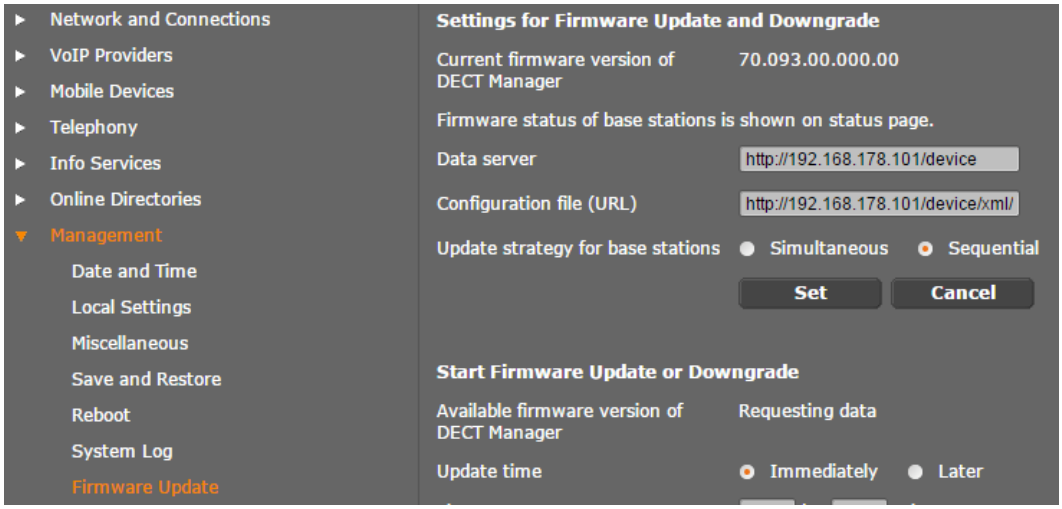
Tag Name	Value	Location in web-interface
BS_IP_Data.aucS_CONFIGFILE_URL	max. 255 characters from (0-9,a-z,A-Z,-,.); default is empty it must be complete/proper URL such as http://domain/path/filename.xml .	Not available.

x. 255 characters from (0-9,a-z,A-Z,-,.); default is empty it must be complete/proper URL such as http://domain/path/filename.xml .	System -> Firmware Update -> Configuration file URL

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<ProviderFrame xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="N510.xsd">
<Provider>

<MAC_ADDRESS value="FFFFFFFFFFFF"/>
<PROFILE_NAME class="string" value="Test"/>

<SYMB_ITEM ID="BS_IP_Data.aucS_CONFIGFILE_URL" class="symb_item" value="'http://192.168.178.101/device/xml/test.xml'"/>

</Provider>

</ProviderFrame>
```

Web-interface:

Settings - Management - Firmware Update - Configuration file (URL):



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XML parameters:

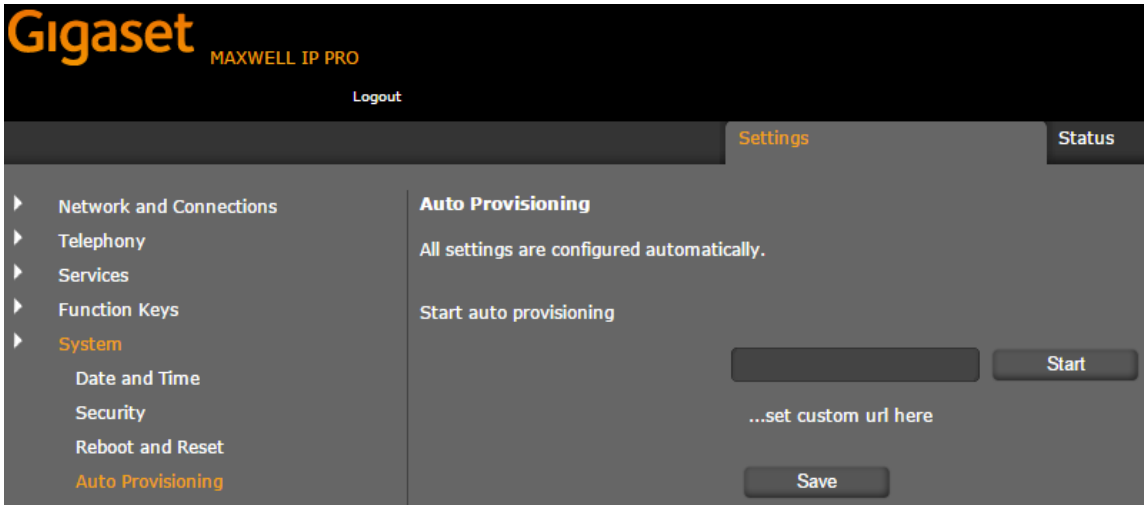
<S_CONFIGFILE_URL class="string" value="provider URL/xml/<MAC address>.xml"/>

Tag Name	Value	Location in web-interface
S_CONFIGFILE_URL	max. 74 characters from (0-9,a-z,A-Z,-,.); default is empty it must be complete/proper URL such as http://domain/path/filename.xml . Important, the xml file name must contain capital letters. The usage of placeholders like %MACD will be supported soon.	Settings -> System -> Auto Provisioning -> Configuration file URL

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<ProviderFrame>
.<Provider>
<MAC_ADDRESS value="FF:FF:FF:FF:FF:FF"/>
..<PROFILE_NAME class="string" value="PBX"/>

..<S_CONFIGFILE_URL class="string" value="http://192.168.178.101/device/xml/FFFFFFFFFFFF.xml"/>

.</Provider>
</ProviderFrame>
```

Web-interface:

Settings - System - Auto Provisioning: