

FAQ Maxwell - Auto provisioning 1.0

XML file version 1.0

When the provisioning is started, the device will contact the server to download the provisioning files.

Valid for Maxwell

Provisioning URL	Action:	Comment	Basic	2	3	4
http://<Server URL>/device	GET /device	No retry				
	GET /device/ provisioning.xml	Master xml file containing information about location of other files for: <ul style="list-style-type: none">Firmware updateSettingsCustom settings One retry if file is not present.				
	If provisioning.xml is not present device will try to download. GET /device/<MAC>.xml					

For provisioning, Provisioning Server has to perform 3 steps:

Get **provisioning.xml** file, so called the starting point for the device, which includes 3 possible types in itself, marked with the `<category />` tag:

- firmware
- nvm
- custom – further steps of the provisioning.



Additional information

If the link for provisioning is pointing to a **directory** or **server** (PCM will try to download a default file named **provisioning.xml** (from the current directory)), in case of full link pointing to the file, any name can be used. If you want to use **encrypted connection**, please provide a link starting with **https://**

Provisioning.xml

Structure of the provisioning.xml file is shown below:

provisioning.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<provisioning version="1.0" productID="mx3b">

  <!-- URL to the file that contains information about the available Firmware -->
  <category type="firmware" url="http://my_server/maxwell3/firmware/updates.xml"/>

  <!-- URL to the file that contains all settings -->
  <category type="nvm" url="http://my_server/maxwell3/nvm/updates.xml"/>

  <!--URL to the file that contains custom settings like certificates -->
  <category type="custom" url="http://my_server/maxwell3/custom/updates.xml"/>

</provisioning>
```

Firmware file

Firmware file

```
<?xml version="1.0" encoding="UTF-8"?>
```

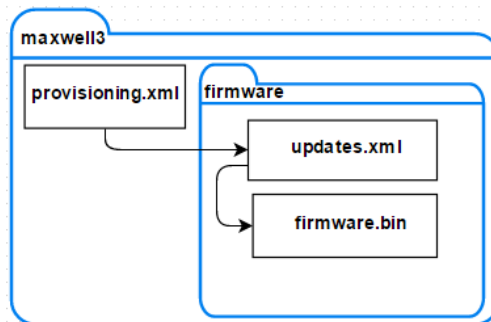
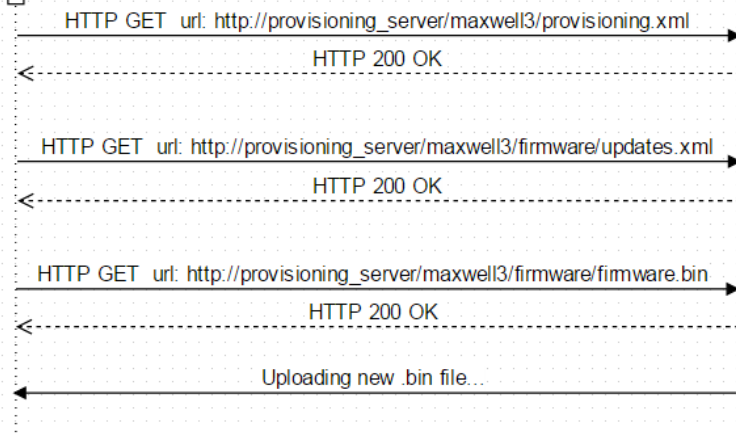
```
<firmware version="1.0" productId="mx3b">
```

```
<file version="1.1" url="/firmware/GCMAX_1.1.bin"/>
```

```
</firmware>
```



Link to provisioning.xml was added via Web UI



contains

Provisioning
Server

Settings

Settings file

```
<?xml version="1.0" encoding="UTF-8"?>

<nvm version="1.0" productID="mx3b" macAddress="90:1b:0e:56:c7:bc">

<file version="2015-01-01_01:01:01" url="http://my_server/maxwell3/nvm/mx3_version1.xml"/>
<file version="2015-02-02_02:02:02" url="http://my_server/maxwell3/nvm/mx3_version1.xml" />

</nvm>
```

configuration.xml

```
<?xml version="1.0" encoding="UTF-8"?>
  <settings version="1.0" productID="mx3b" macAddress="7c:2f:80:00:00:00">
    <!-- SIP -->
    <param name="SIP.LogLevel" value="4" />
    <param name="SIP.TransportProtocol" value="1" />
    <param name="SIP.Port" value="5060" />
    <param name="SIP.Timers.Session" value="3600" />
    <param name="SIP.Timers.FailedRegistration" value="300" />
    <param name="SIP.Timers.Subscription" value="1800" />
    <param name="SIP.PRACK" value="1" />
    <param name="SIP.RTP.Port" value="8000" />
    <param name="SIP.RTP.UseRandomPorts" value="0" />
    <param name="SIP.RTP.UseSymmetricPorts" value="0" />
    <param name="SIP.RTP.UseRTCP" value="0" />
    <param name="SIP.RTP.Duration" value="20" />
    <param name="SIP.Security.AcceptNonSRTPCalls" value="1" />
    <param name="SIP.AvailableCodecs" value="0" />
    <param name="SIP.ActiveCodecs" value="0" />
    <param name="SIP.DefaultAccount" value="0" />
    <param name="SIP.Account.0.AccountName" value="IPl" />
    <param name="SIP.Account.0.Active" value="1" />
    <param name="SIP.Account.0.Provider" value="Provider" />
    <param name="SIP.Account.0.AuthName" value="AuthName" />
    <param name="SIP.Account.0.AuthPassword" value="Pass" />
    <param name="SIP.Account.0.DisplayName" value="DisplayName" />
    <param name="SIP.Account.0.Username" value="Username" />
    <param name="SIP.Account.0.Domain" value="sip.domain.com" />
    <param name="SIP.Account.0.CLIPSource" value="2" />
    <param name="SIP.Account.0.CLIR" value="0" />
    <param name="SIP.Account.0.ProxyServer.Address" value="sip.proxy.com"/>
    <param name="SIP.Account.0.ProxyServer.Port" value="5060" />
    <param name="SIP.Account.0.RegistrationServer.Address" value="sip.registration.com"/>
    <param name="SIP.Account.0.RegistrationServer.Port" value="5060"/>
    <param name="SIP.Account.0.RegistrationServer.RefreshTimer" value="180"/>
    <param name="SIP.Account.0.STUN.Enabled" value="1" />
    <param name="SIP.Account.0.STUN.Address" value="sip.stun.com"/>
    <param name="SIP.Account.0.STUN.Port" value="3478" />
    <param name="SIP.Account.0.STUN.RefreshTimer" value="240" />
    <param name="SIP.Account.0.STUN.NATRefreshTimer" value="20" />
    <param name="SIP.Account.0.OutboundProxy.Mode" value="2" />
    <param name="SIP.Account.0.OutboundProxy.Address" value="sip.proxy.com"/>
    <param name="SIP.Account.0.OutboundProxy.Port" value="5060" />
    <param name="SIP.Account.0.DTMFTransmission" value="1" />
    <param name="SIP.Account.0.AutoNegOfDTMFTransmission" value="1"/>
  </settings>
```

As it can be seen from the example above, several <file version="..."> were introduced. However, in the provisioning process only the newest one will be taking into consideration and processed.

Custom settings

Custom

```
<?xml version="1.0" encoding="UTF-8"?>  
<scenario version="2015-01-01_01:01:01" productID="mx3b">  
<step type="certificate" url="http://server.address.com/certificates/certificate.pem" flags="FORCE_ACCEPT" />  
</scenario>
```

Parameter list

Here you can find the complete auto provisioning parameter list for the Maxwell 3/B.