We change the shape of the world

Manual

Interworking Configuration for
Cisco Unified Communications Manager
and NovaTec S6 or S20 SIP Gateways

Version 1.0 dated April 29th, 2010

Subject to alterations

Contents

Configuration of the Cisco Unified Communications Manager

Even though the S6 and S20 are gateways, you configure them in Cisco Unified Communication Manager Administration as a trunk.

Step 1 – SIP Configuration

SIP Configuration:

Choose **Device > Device Settings > SIP Profile.**

Click the **Add New** button.

The SIP Profile Configuration window displays.

In the Name field, enter a name for the profile.

In the Early Offer for G. Clear Calls drop-down list box you got the following options:

- CLEARMODE
- CCD
- G.nX64
- X-CCD

Please select X-CCD.

Click **Save**.

The SIP Profile Configuration window refreshes and indicates "Add successful".

Step 2 – Trunk Configuration

Choose **Device > Trunk**.

Click the **Add New** button.

The Trunk Configuration window displays.

From the Trunk Type drop-down list box, select **SIP Trunk**.

Click **Next**.

In the Device Name field, enter a name for the Device.

From the Device Pool drop-down list box, select **Default**.

In the Description field enter the same name as the Device Name.

Scroll down to the SIP Information box.

In the Destination Address field enter the IP Address from the target system (CCU-3).

From the SIP Trunk Security Profile drop-down list box select **Non Secure SIP Trunk Profile**.

From the SIP Profile drop-down list box, select the profile that you created in Step 1.
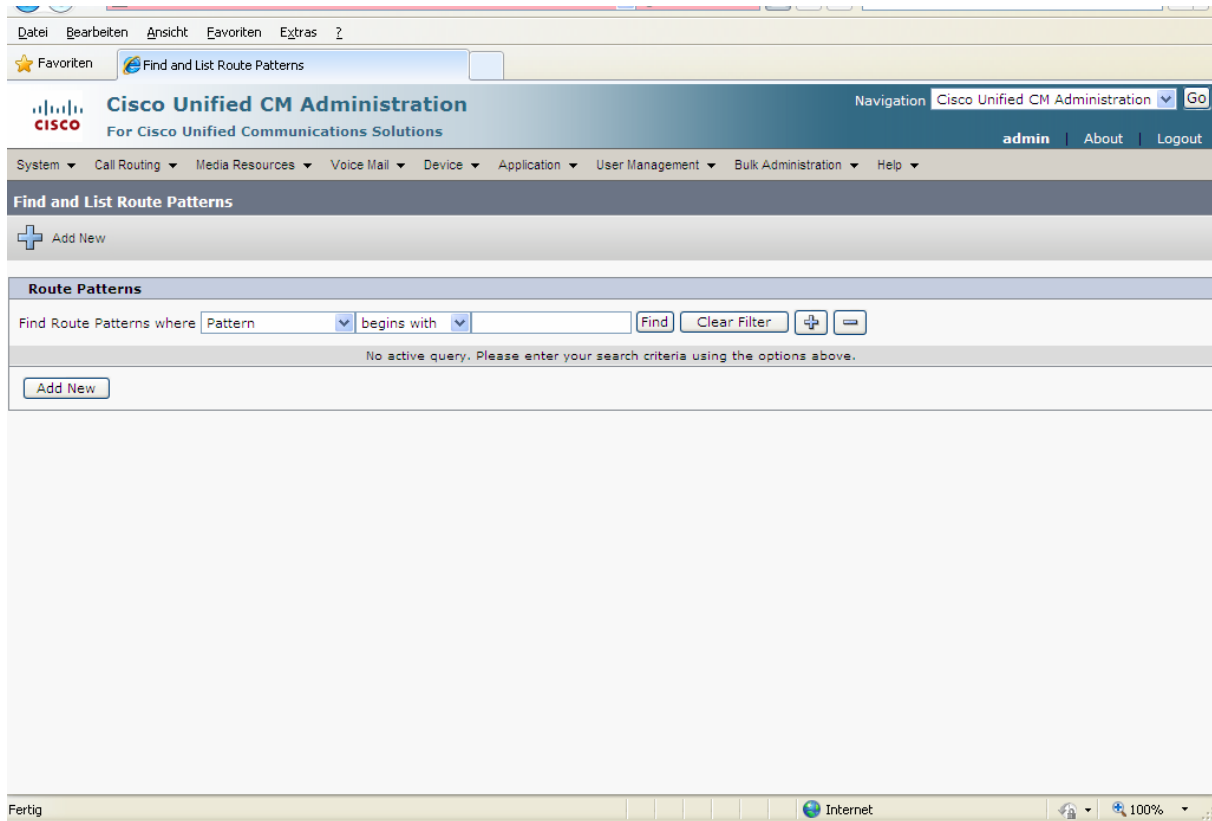
Click **Save**.

Step 3 – Route Patterns

Choose > **Call Routing** > **Route/Hunt** > **Route Patterns**.

The Find and List Route Patterns window displays.
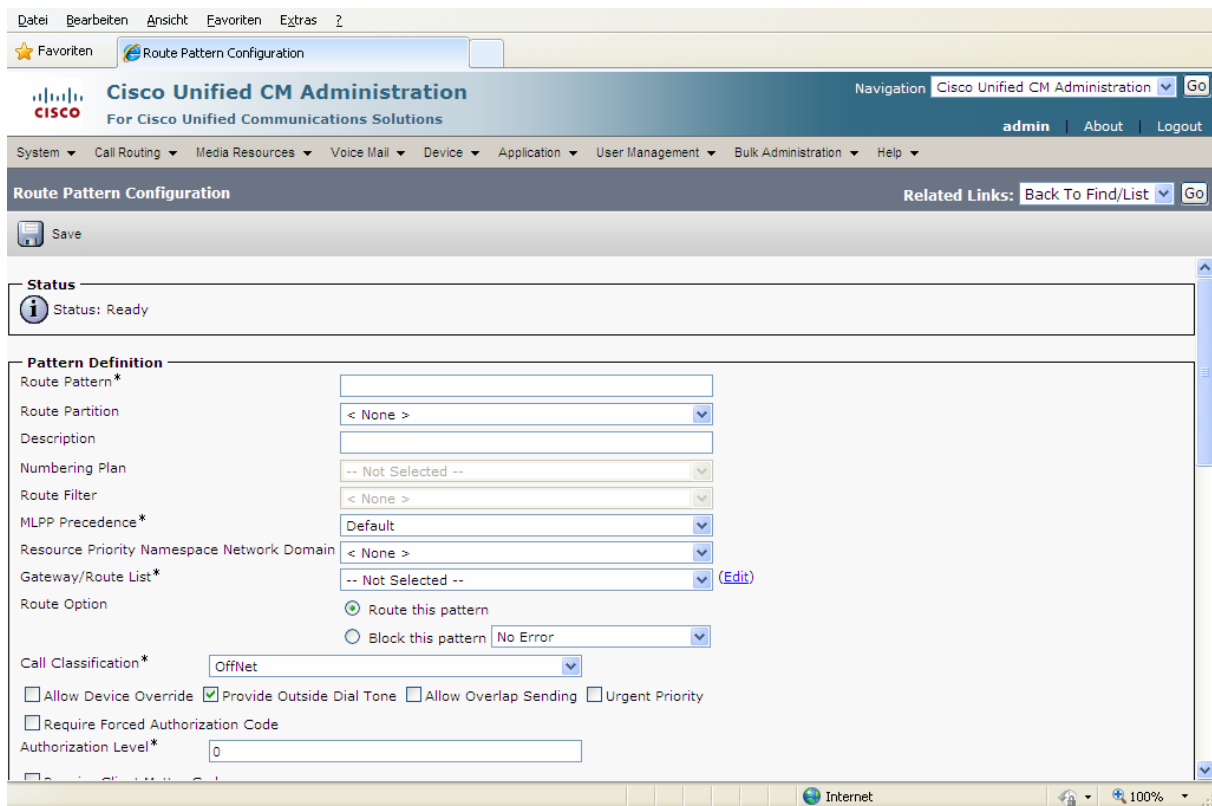

Click **Add New**.

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The Route Pattern Configuration window displays.

In the Route Pattern field, enter the Directory Number for the Route Pattern.

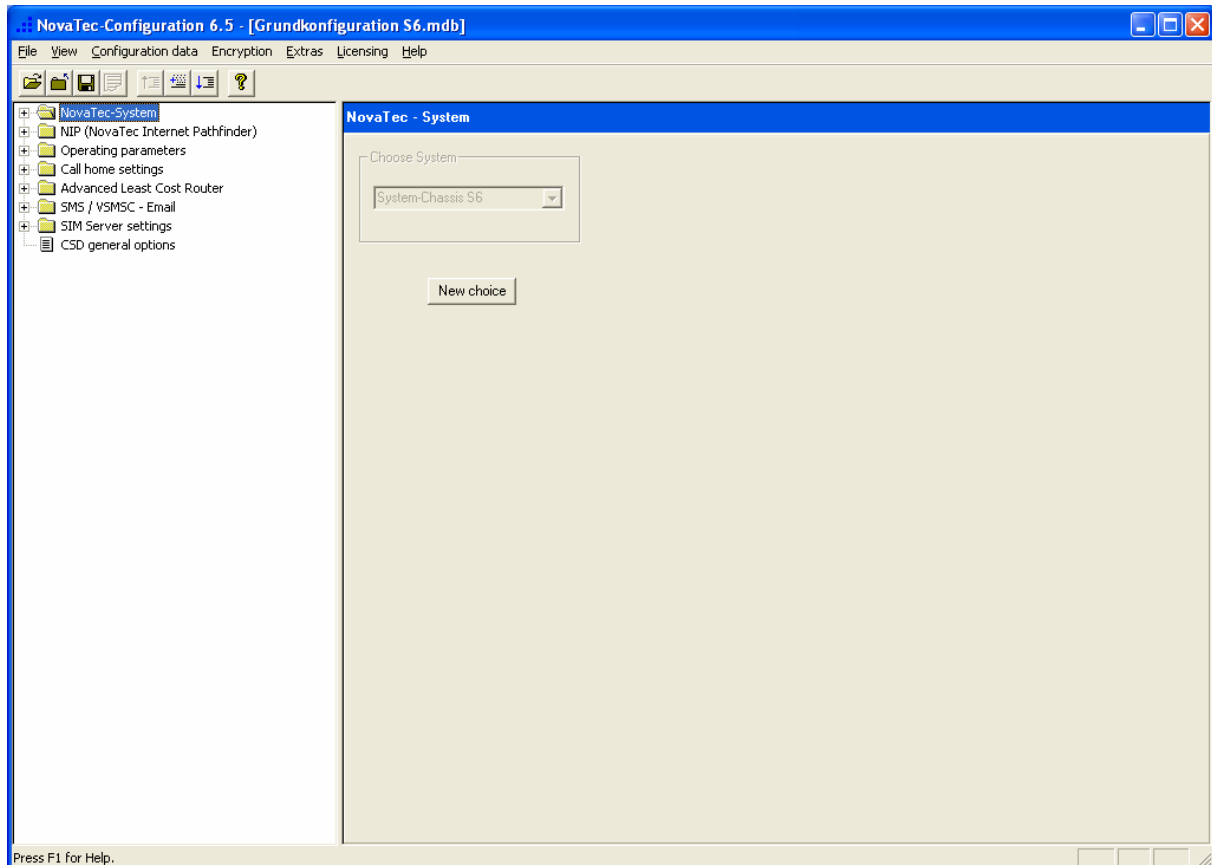From the Gateway/Route List drop-down list box, select the name that you created in Step 3.

Click **Save**.
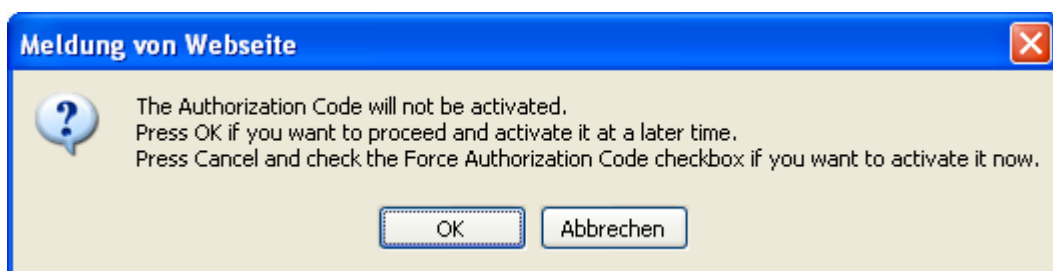
Click **OK**.

Configuration of the S6/S20 SIP Gateways

Step 1 – Basic Configuration

Open the basic configuration with the application NovaTec Configuration from the NMP (see www.novatec.de > Download area).

Step 2 – IP Configuration
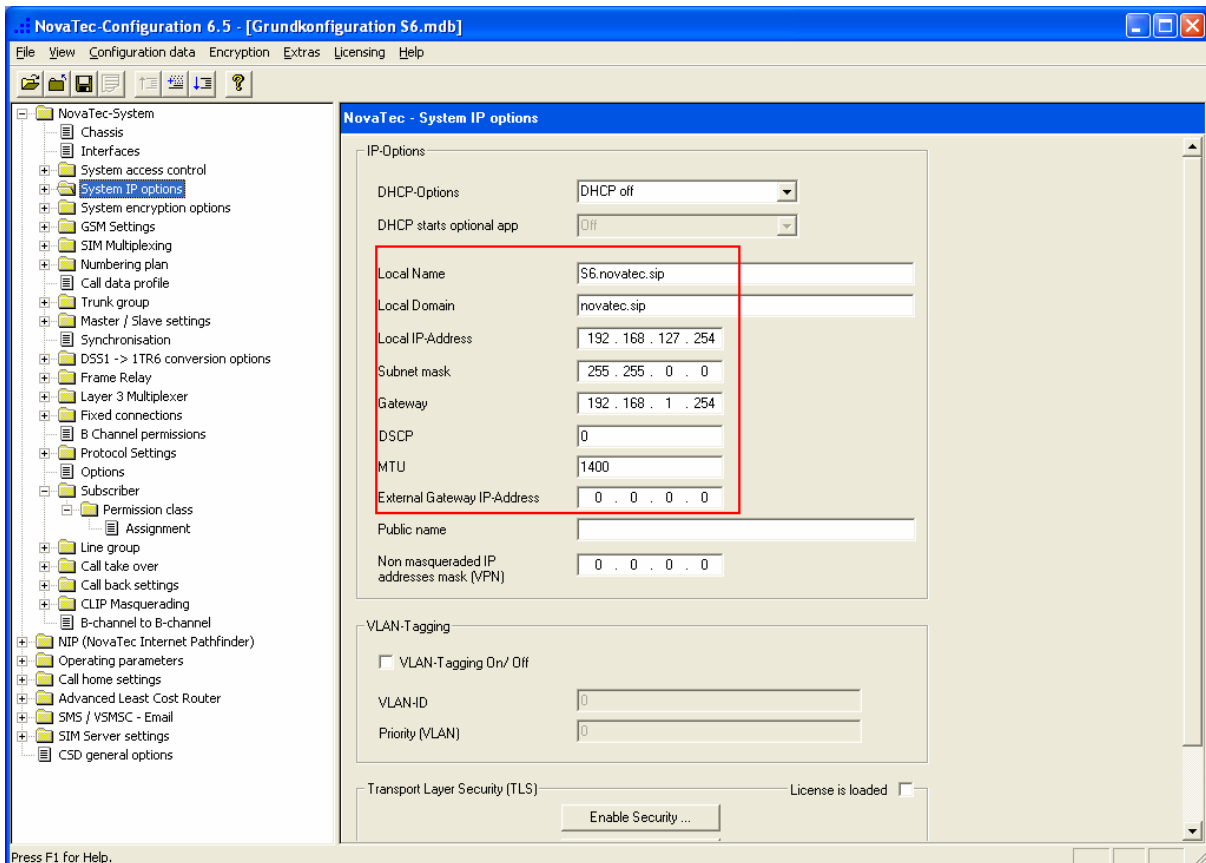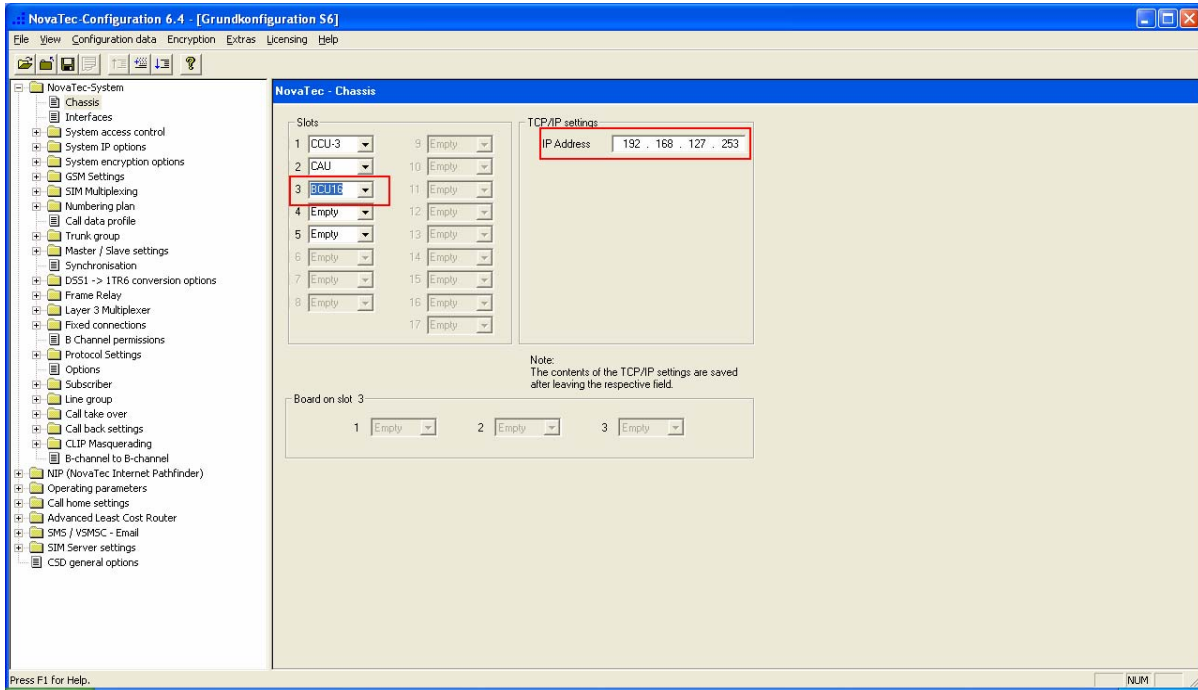
Configure the IP address, Subnet mask, Gateway name etc.

Step 3 – Configure Subscribers

Now configure the subscribers. To add new subscribers click **New**

To modify existing entries, select the entry you want to change and click **Edit**

　

Step 4 – Add Subscribers to Numbering Plan

Choose **Numbering plan** > **Dialling plans** > **1-SIP**.

Select all existing entries and delete them by clicking **Delete**.

Click **Subscriber** to insert the numbers of all configured subscribers into the dialling plan.

Step 5 – Configure CUCM

Choose **NIP/SIP** > **Mapping lists** >**User mapping**.

To modify the IP address of the SIP counterpart (CUCM, IOS) select the entry and click **Edit**.
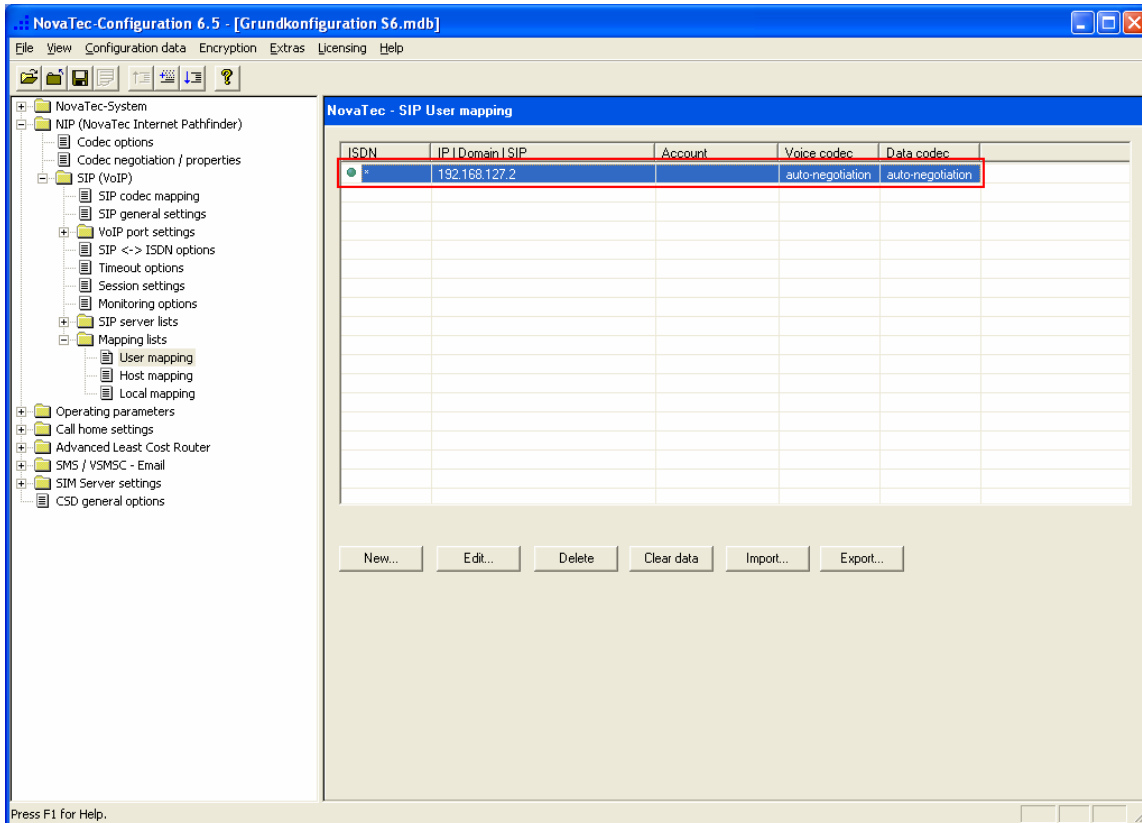
Click in the field **URI / Name / IP** and change the existing IP address to the IP address of your CUCM/IOS gateway.

Step 6 – Firmware License

Choose **Licensing** > **FW-license** and upload the Firmware license.
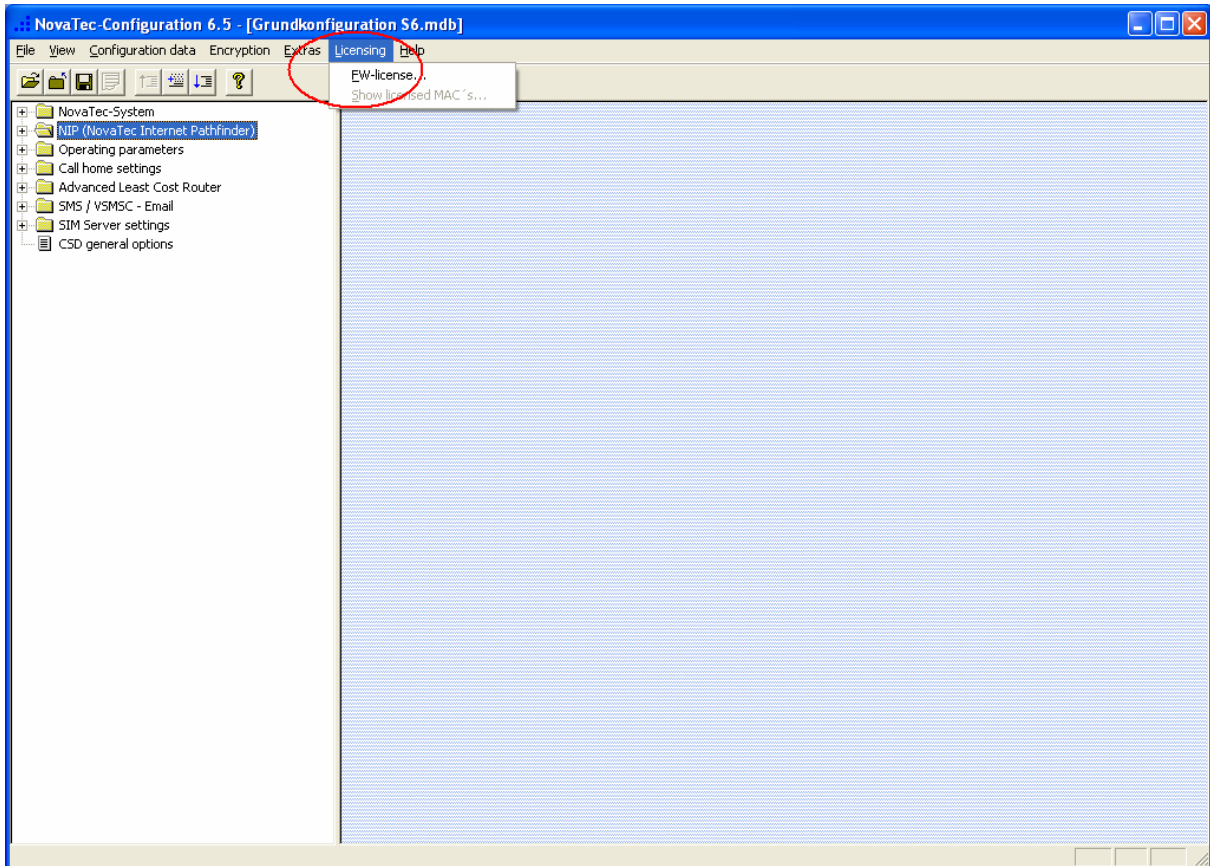
Step 7 – Process the Configuration

Choose **Extras**

Check if **Save config** is ticked.

Process the configuration file with **F7**.
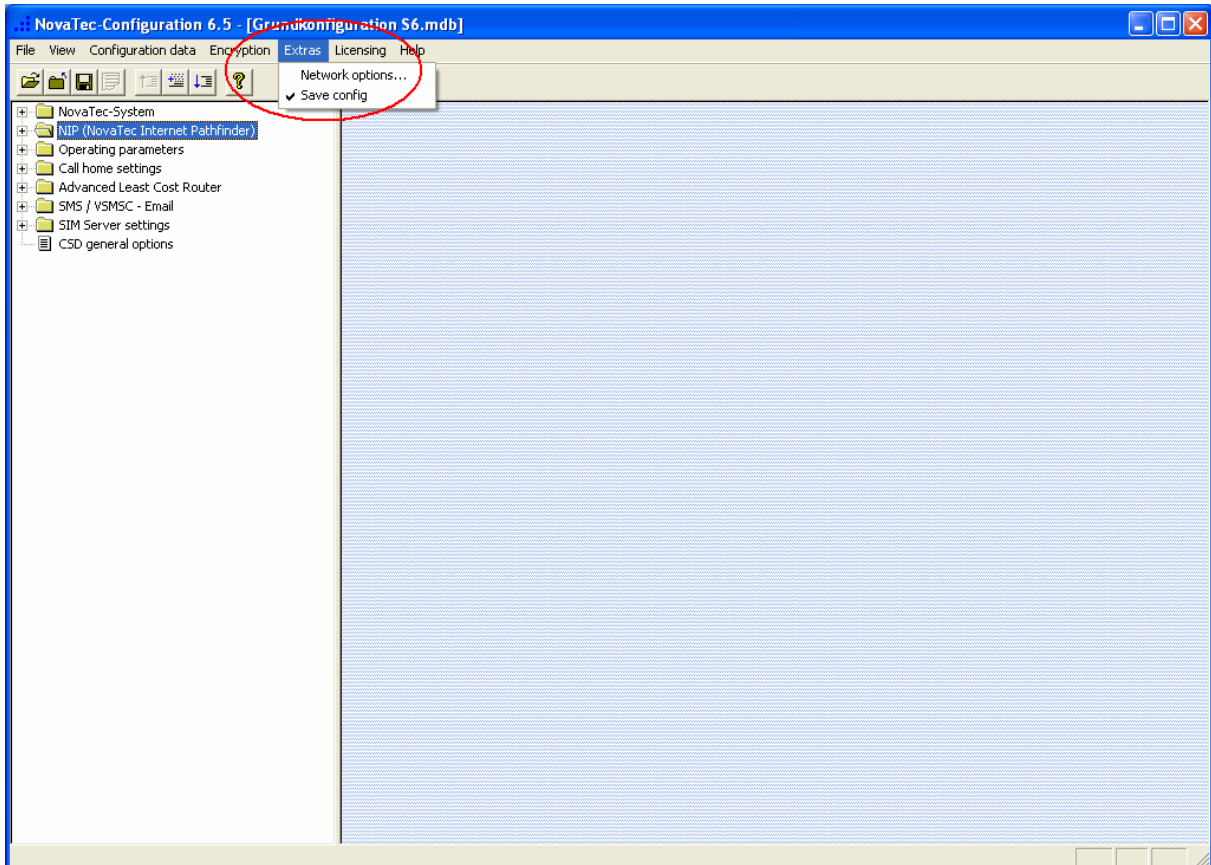
Step 8 –Transfer the Configuration

Choose **Extras**.

Select **Network options.**
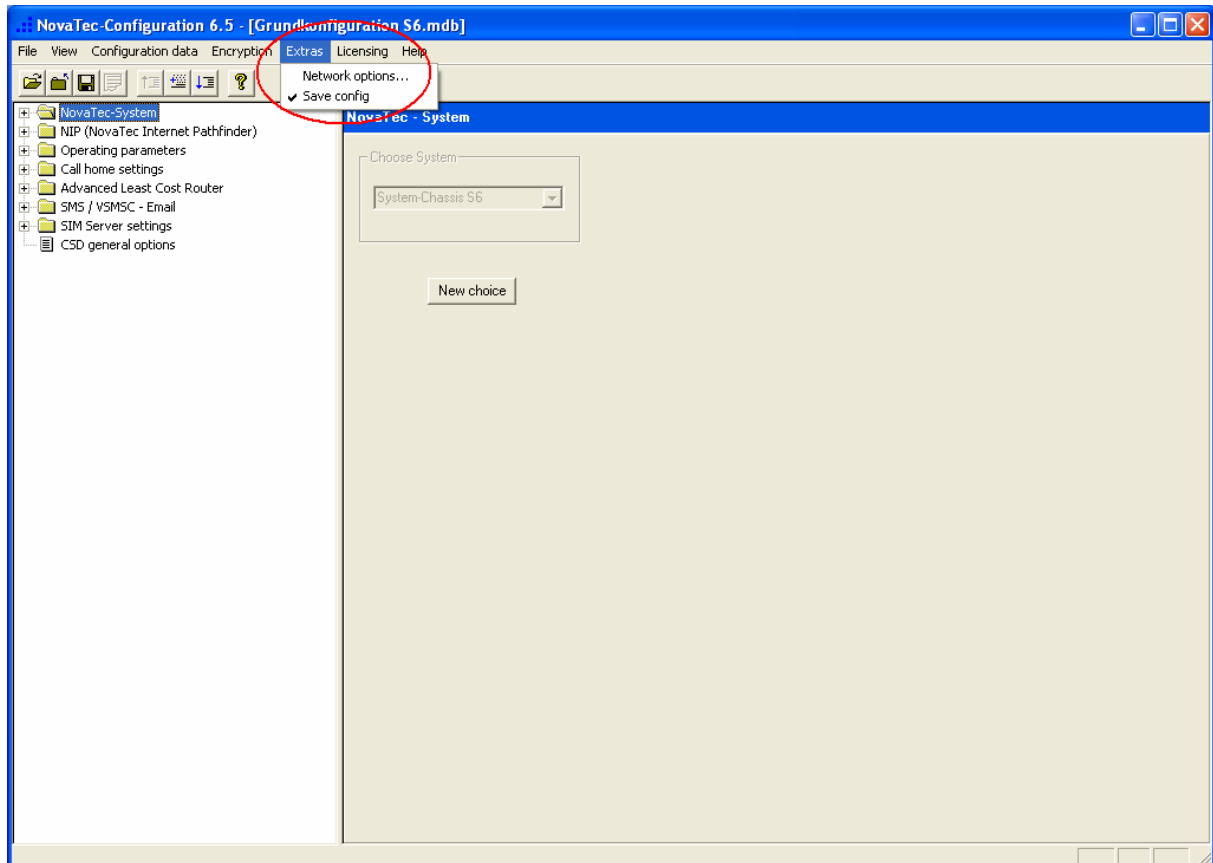
Enter the IP address of the target system and click **OK.**
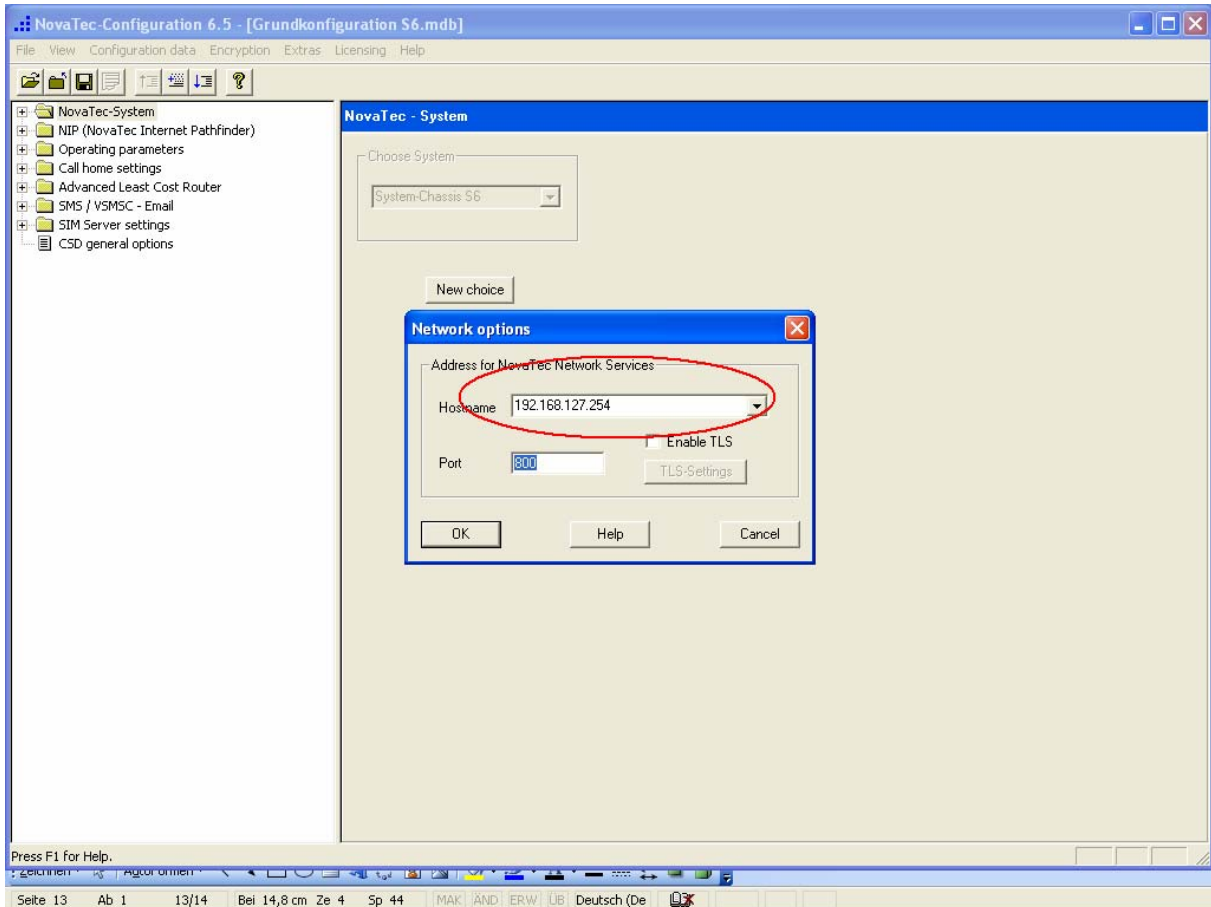
Press **F5** to transfer to the target system.

Set the ticks as shown below and click **OK.**
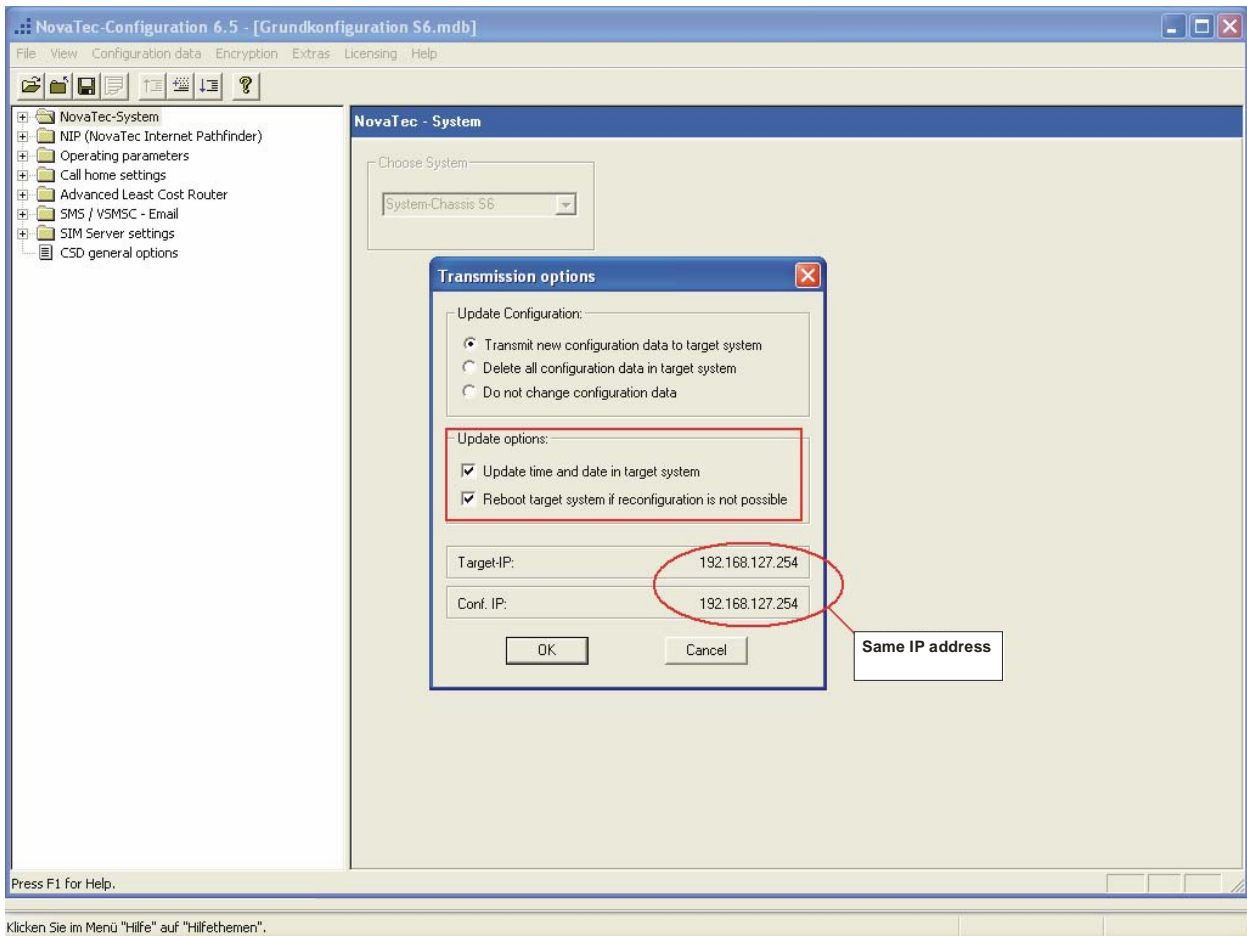
After the first configuration of the target system a system reset is required for the configuration changes to become active.

The following list shows all configuration settings which can be re-configured without a system reset. If you change an option which is not in this list, then the change will require a system reset to become active.

The list of re-configurable configuration options depends on the installed FW version:

FW 00.07.00.55 or older:
- NovaTec-System/Analogue Interface-Configuration/Supplementary Services
- NovaTec-System/System access control
- NovaTec-System/GSM settings
- NovaTec-System/SIM multiplexing
- NovaTec-System/Numbering plan
- NovaTec-System/Call data profile
- NovaTec-System/Protocol Settings
- NovaTec-System/Options/System ASR
- NovaTec-System/Options/ISDN ASR
- NovaTec-System/Options/GSM ASR
- NovaTec-System/Options/SIP ASR
- NovaTec-System/Call back settings
- NovaTec-System/B-channel to B-channel
- NIP (NovaTec Internet Pathfinder)/SIP (VoIP)/SIP <-> ISDN options
- Operating parameters/Remote maintenance
- Operating parameters/Customer target data
- Call home settings
- Advanced Lease Cost Router
- NovaTec-System/SMS / VSMSC – E-Mail/SMS <-> E-Mail settings/SMS settings
- CSD general options

FW 00.07.00.63:
- NovaTec-System/Analogue Interface-Configuration/Supplementary Services
- NovaTec-System/System access control
- NovaTec-System/GSM settings
- NovaTec-System/SIM multiplexing
- NovaTec-System/Numbering plan
- NovaTec-System/Call data profile
- NovaTec-System/Protocol Settings
- NovaTec-System/Options/System ASR
- NovaTec-System/Options/ISDN ASR
- NovaTec-System/Options/GSM ASR
- NovaTec-System/Options/SIP ASR
- NovaTec-System/Call back settings
- NovaTec-System/B-channel to B-channel
- NIP (NovaTec Internet Pathfinder)/NLP (Network Link Protocol)/Connection options/Connection profiles:
  Only the Backplane-ID in existing remote profiles can be changed without a reset.
- NIP (NovaTec Internet Pathfinder)/SIP (VoIP)/SIP <-> ISDN options
- Operating parameters/Remote maintenance
- Operating parameters/Customer target data
- Call home settings
- Advanced Lease Cost Router
- NovaTec-System/SMS / VSMSC – E-Mail/SMS <-> E-Mail settings/SMS settings
- CSD general options