Cisco Unified Communications 500 Series

DISCLAIMER
The attached document is provided as a basic guideline for setup and configuration of Cisco Unified Communications 500 Series IP PBX systems with MegaPath's SIP Trunking service, based on MegaPath's testing and validation process. It does not include advanced configurations to enable features such as voicemail, Find-Me-Follow-Me, etc. MegaPath is not responsible for customer IP PBX configurations. For more information on advanced features, please refer to your IP PBX documentation.

IMPORTANT

DO NOT USE THE DEFAULT MEGAPATH PROFILE THAT SHIPS WITH THE CISCO CALL MANAGER EXPRESS. IT IS THE LEGACY MEGATH PROFILE WHICH NO LONGER FUNCTIONS PROPERLY. CREATE A GENERIC SERVICE PROVIDER PROFILE.

REQUIRED INFORMATION (Provided by MegaPath)

Host: ___________________________________

Maximum Number of Calls: ___________________________________

SIP username: ___________________________________

SIP password: ___________________________________

The following screen captures are included as a reference.

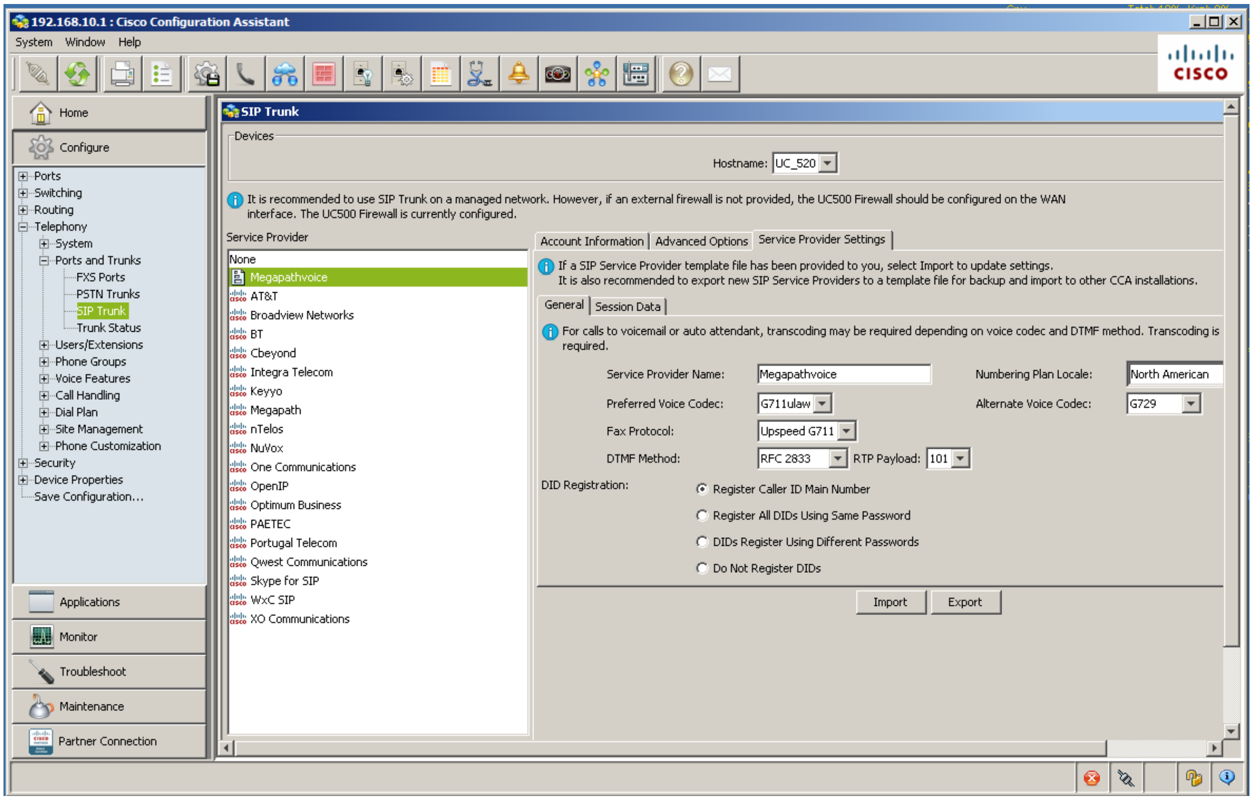

Figure 1: Configuration menu option from the main menu.

From the main configuration menu, select Telephony, Ports and Trunks, SIP Trunk. Create a generic Service Provider profile.

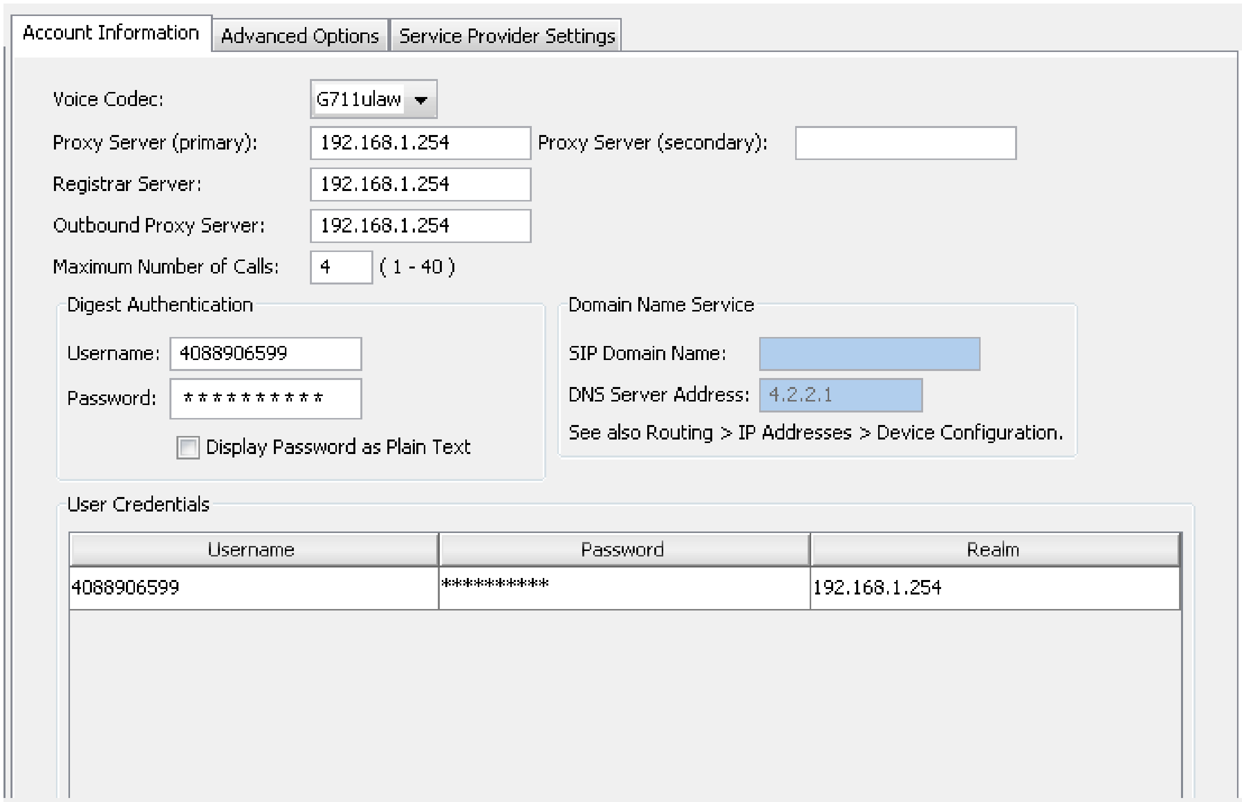

Figure 2: SIP Trunk Account Information tab.

Under the SIP Trunk Account Information tab, enter or select the following parameters:

- Voice Codec: G711ulaw
- Proxy Server: (Primary): **<Host provided by MegaPath>**
- Proxy Server (Secondary): leave blank
- Register Server: **<Host provided by MegaPath>**
- Outbound Proxy Server: **<Host provided by MegaPath>**
- Maximum Number of Calls: **<Number of Trunks>**
- Username: **<provided by MegaPath>**
- Password: **<provided by MegaPath>**
- SIP Domain Name: leave blank
- User Credentials
    - Username: **<provided by MegaPath>**
    - Password: **<provided by MegaPath>**
    - Realm: **<Host provided by MegaPath>**

NOTE
THE SIP DOMAIN NAME FIELD SHOULD BE LEFT EMPTY. THE EDGEMARC SIP ALG PROVIDES THE SIP DOMAIN INFORMATION TO THE SBC ON BEHALF OF THE CISCO CALL MANAGER EXPRESS.

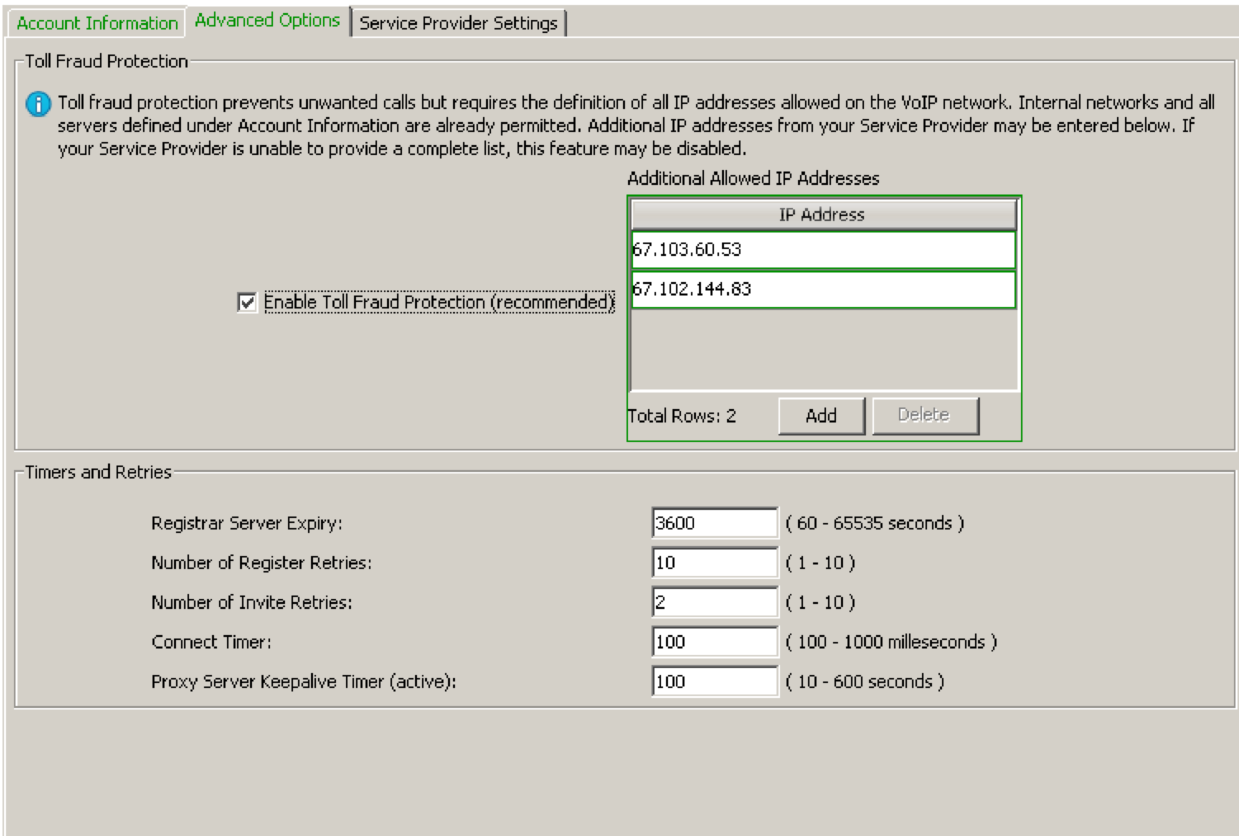

Figure 3: SIP Trunk Advanced Options

Within the SIP Trunk window, click the “Advanced Options” tab. Click “Add” and input each of the following addresses:

Additional Allowed IP Addresses:

- **<Host provided by MegaPath>**

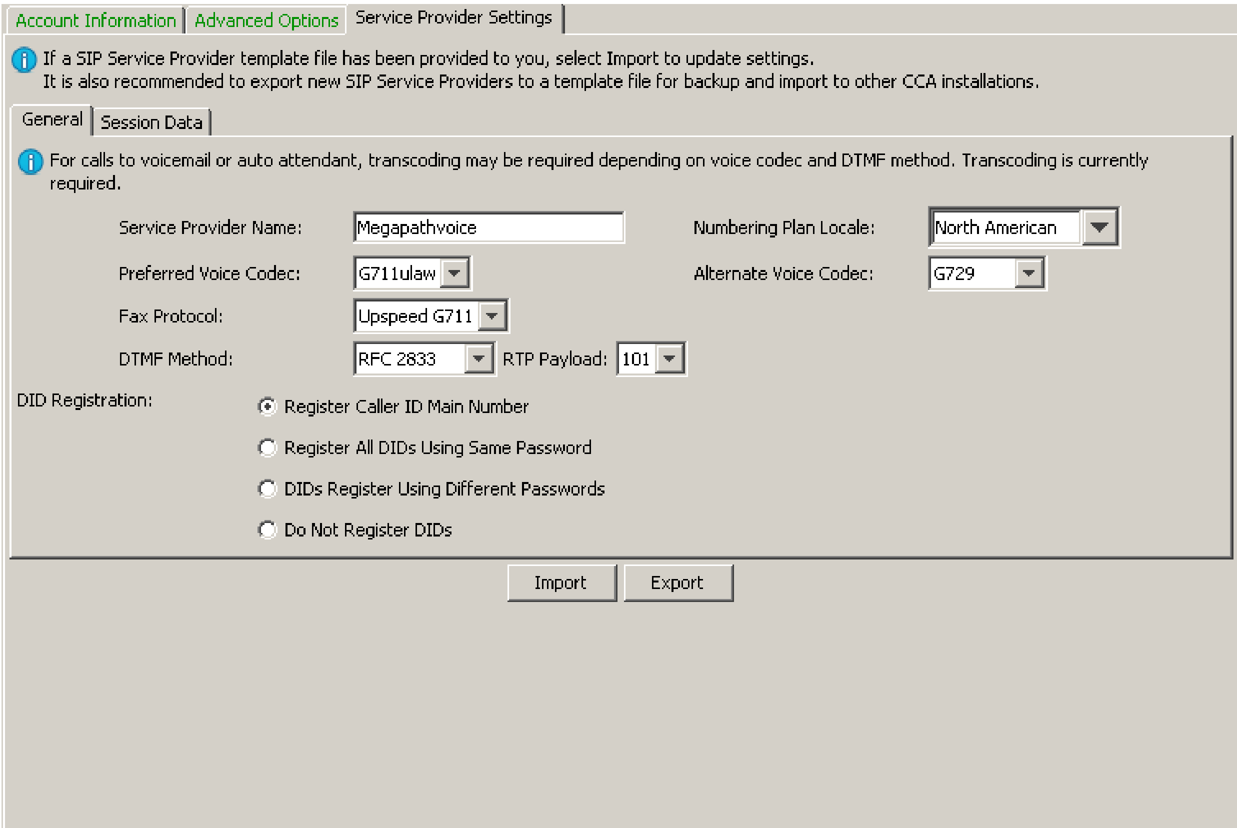

Figure 3: Service Provider Settings

Under the Service Provider Settings, apply the following parameters:

- Service Provider Name: **MegapathVoice**
- Preferred Voice Codec: G711ulaw
- Fax Protocol: Up speed G711
- DTMF Method: RFC 2833
- RTP Payload: 101
- Numbering Plan Locale: North American
- Alternate Voice Codec: G729
- DID Registration: Register Caller ID Main Number

NOTE:
IT IS POSSIBLE TO OVER-RIDE THE MAIN NUMBER CALLER-ID BY SPECIFYING THE OUTBOUND CALLER-ID PER USER EXTENSION TO APPLY IN OVER-RIDING THE MAIN NUMBER CALLER-ID. THIS CAN BE ACCOMPLISHED UNDER USER EXTENSIONS.