Entreprise One Number

Cisco CallManager and QuesCom GSM Gateway configuration

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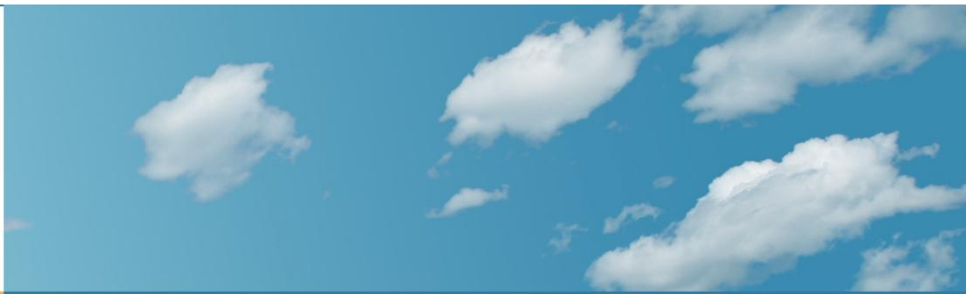

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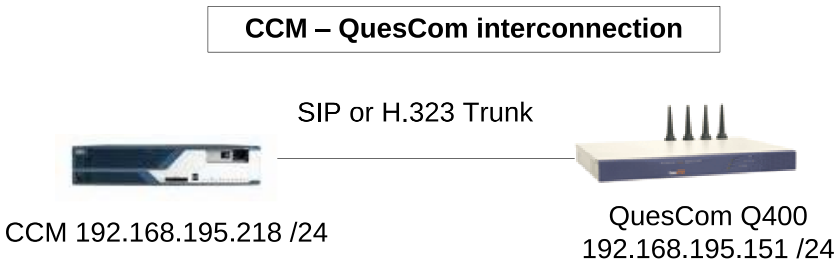
1. Purpose of document

The purpose of this document is to go through the different stages to configure manually CISCO CCM and QuesCom gateway interconnection through SIP or H.323 Trunk.

Note that this document shows in details the setup parameters, which are by default automatically configured by QuesCom Gateway wizard.

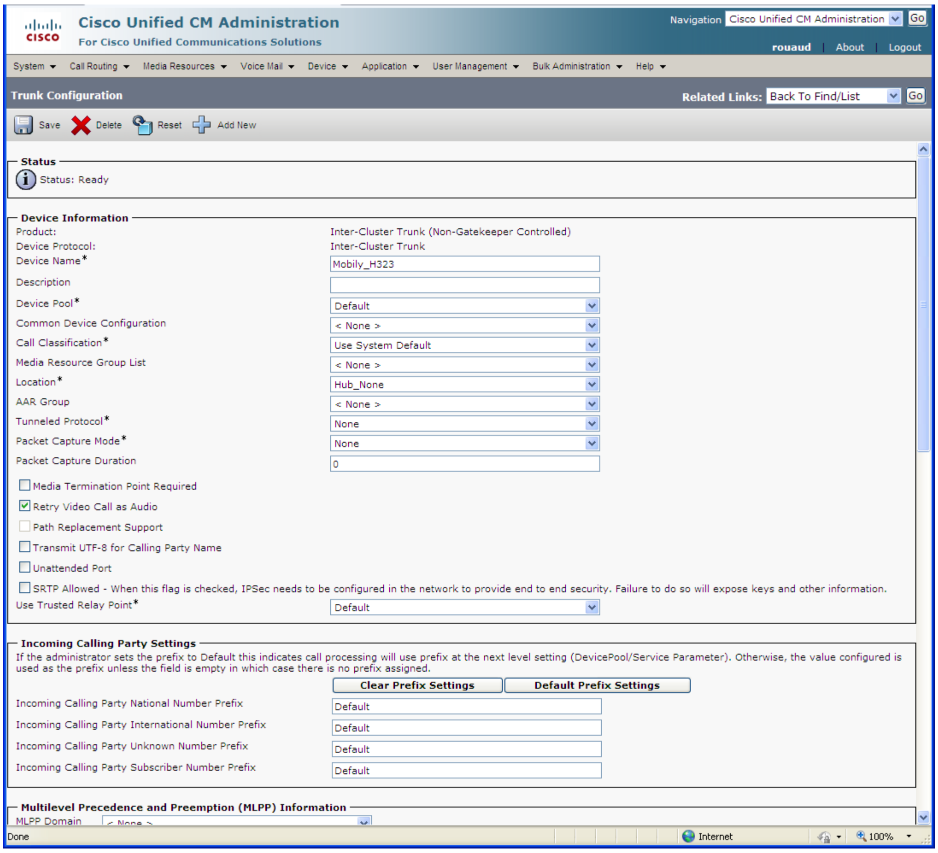
2. Overview

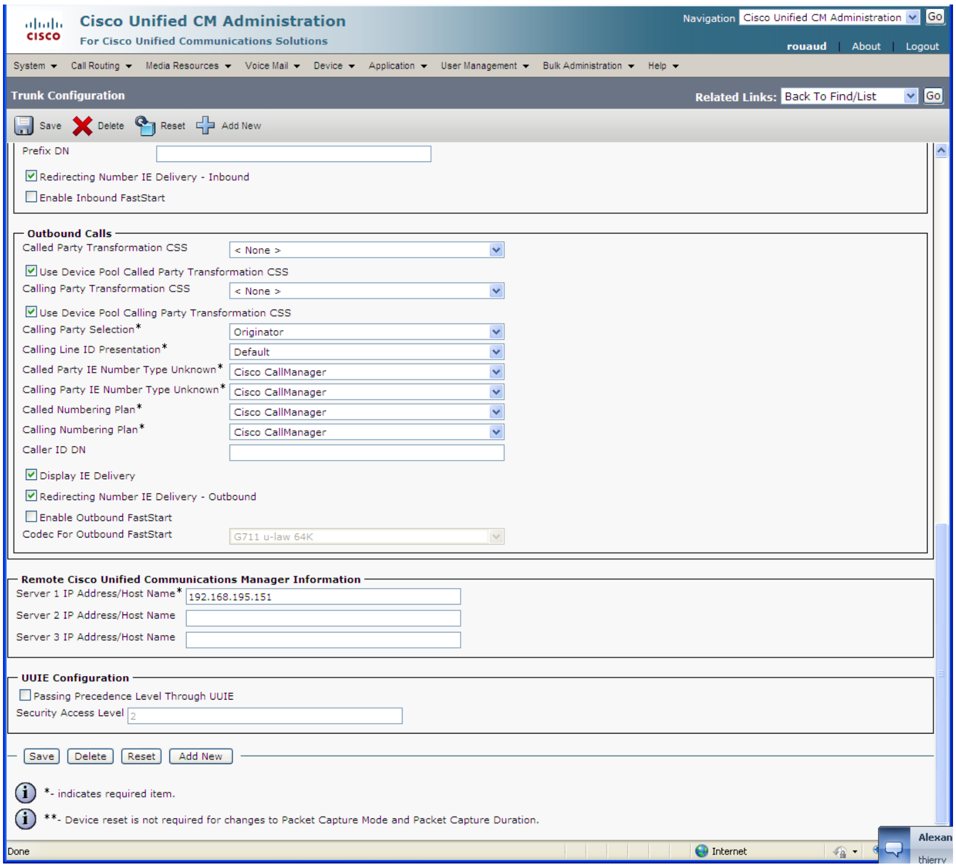


3. H.323 Trunk

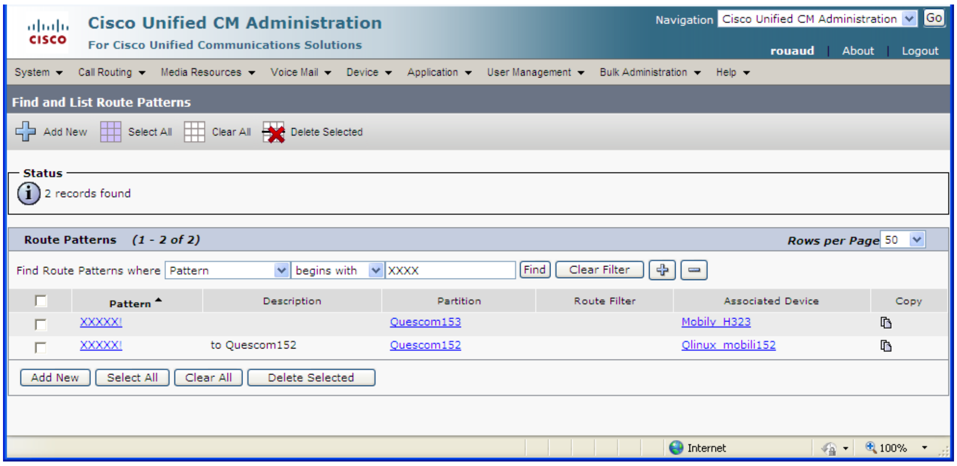
3.1. Cisco CCM Trunk configuration

Select a Trunk type Inter-cluster Trunk (Non-Gatekeeper-Controlled)





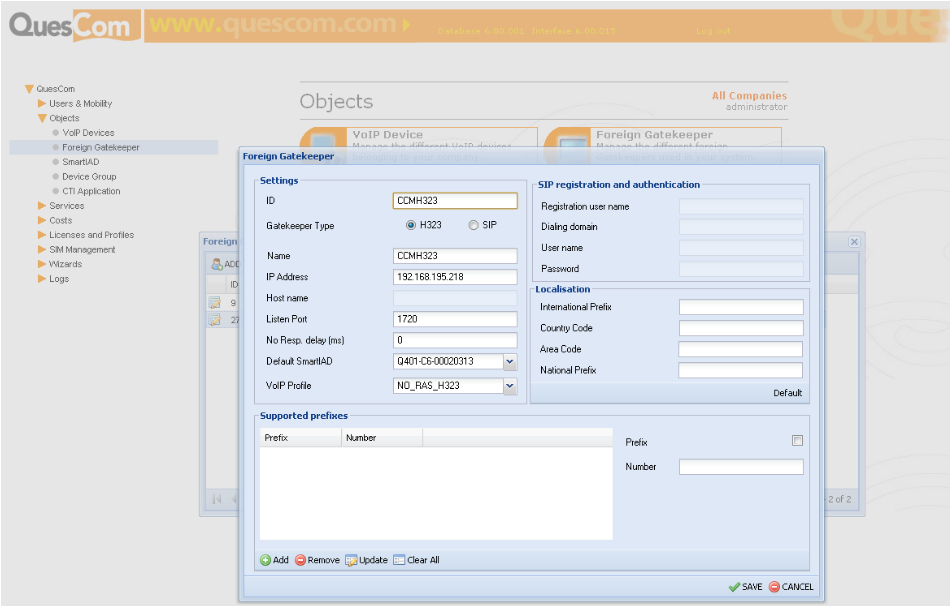
Create adequate route pattern



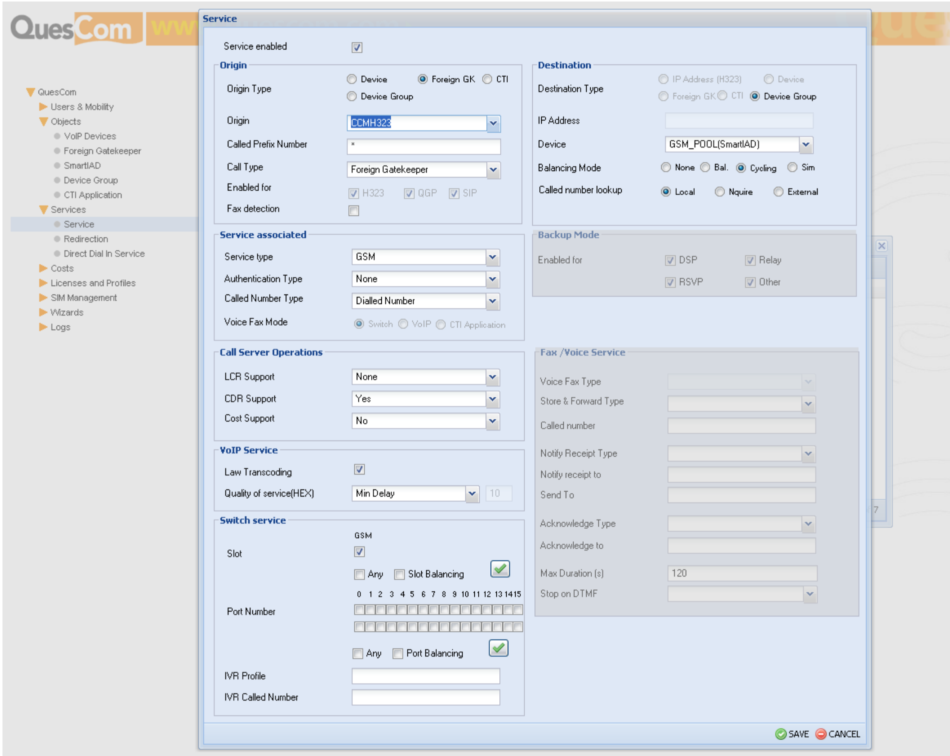
3.2. QuesCom Gateway configuration

In this example we will use a QuesCom gateway based on v6.20. Please note that presentation differs from the next example of SIP trunk configuration which is based on QuesCom v5.20.

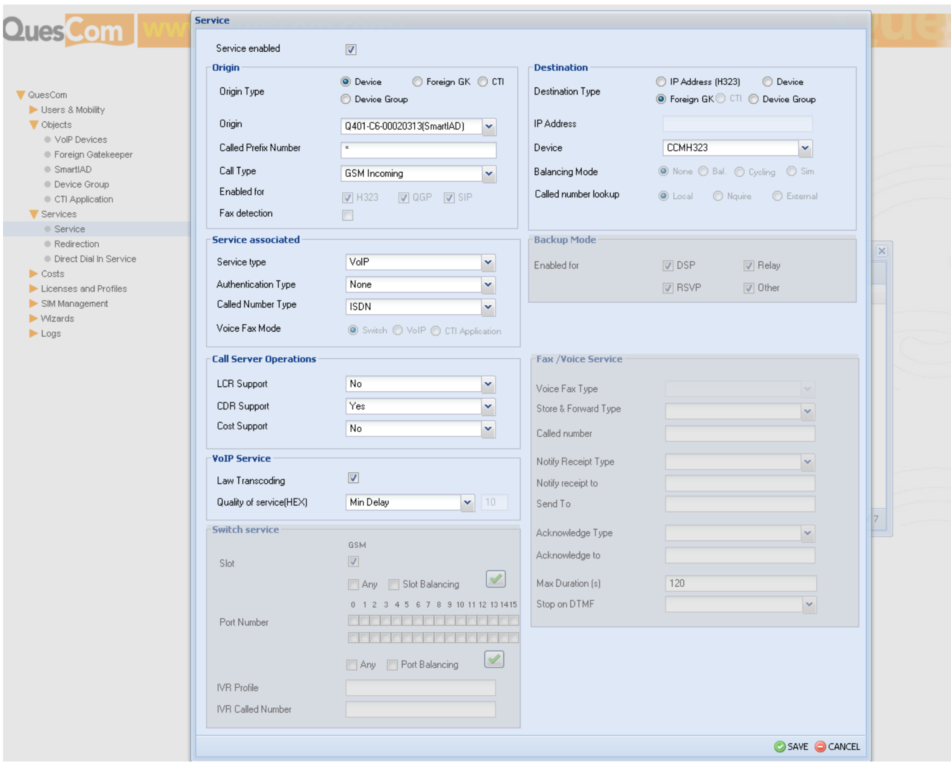
Create H323 trunk



Create a service from CCMH323 * to GSM Pool



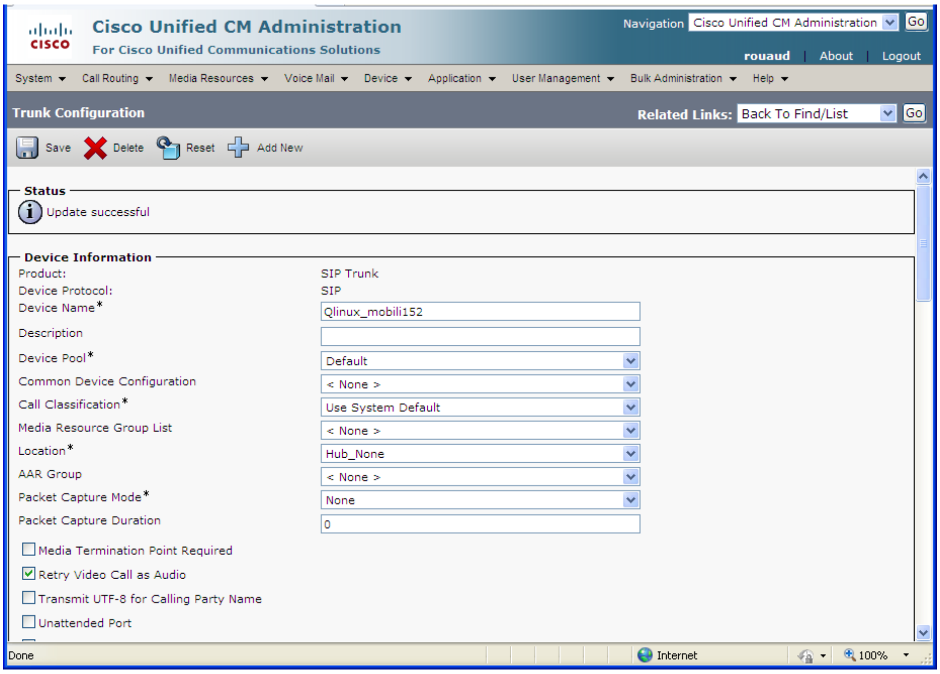
Add the following service to route incoming GSM calls to CCM

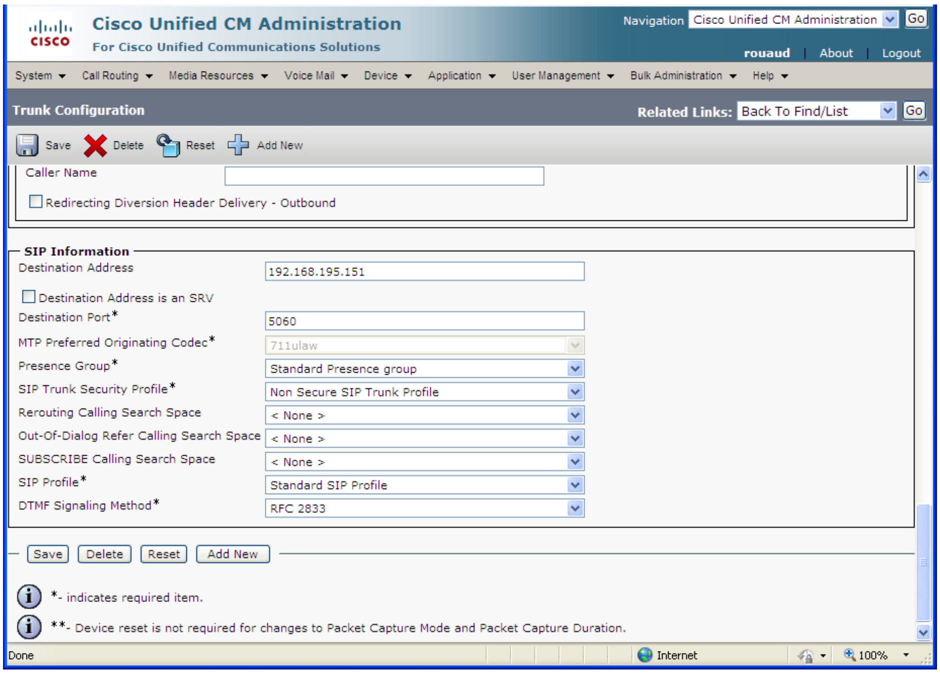


4. SIP TRUNK

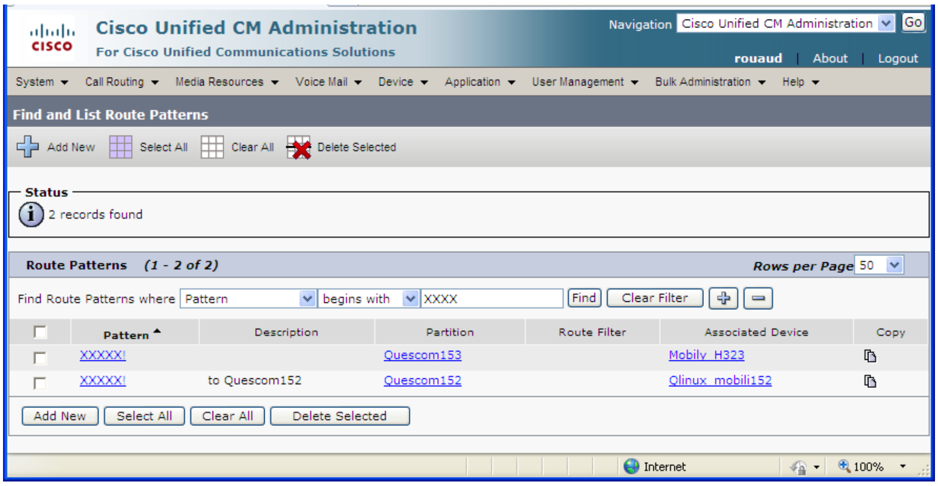
4.1. Cisco CCM Trunk configuration

Define SIP Trunk





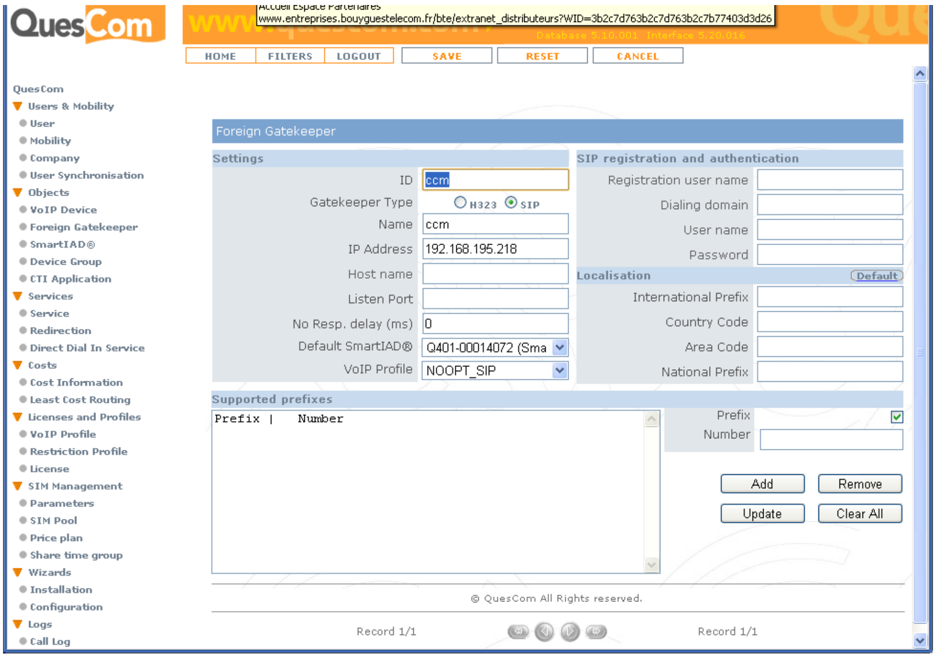
Define adequate Route pattern



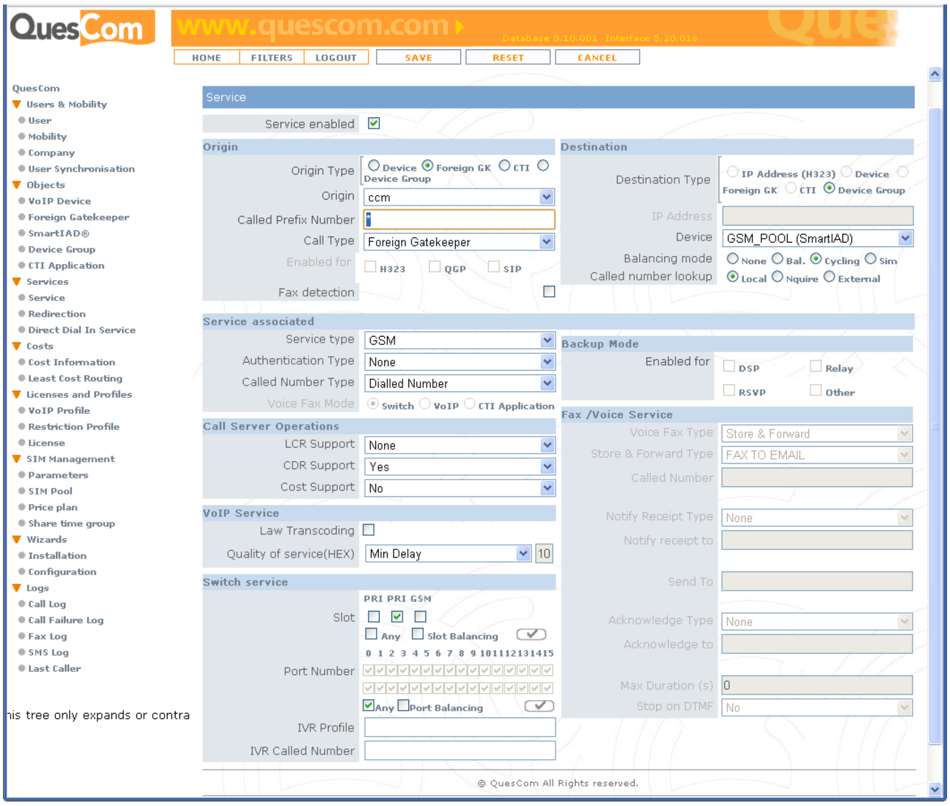
4.2. QuesCom Gateway configuration

This example is based on QuesCom gateway v6.20. Please note that presentation differs from the previous example of H.323 trunk configuration which is based on QuesCom v6.20 is used.

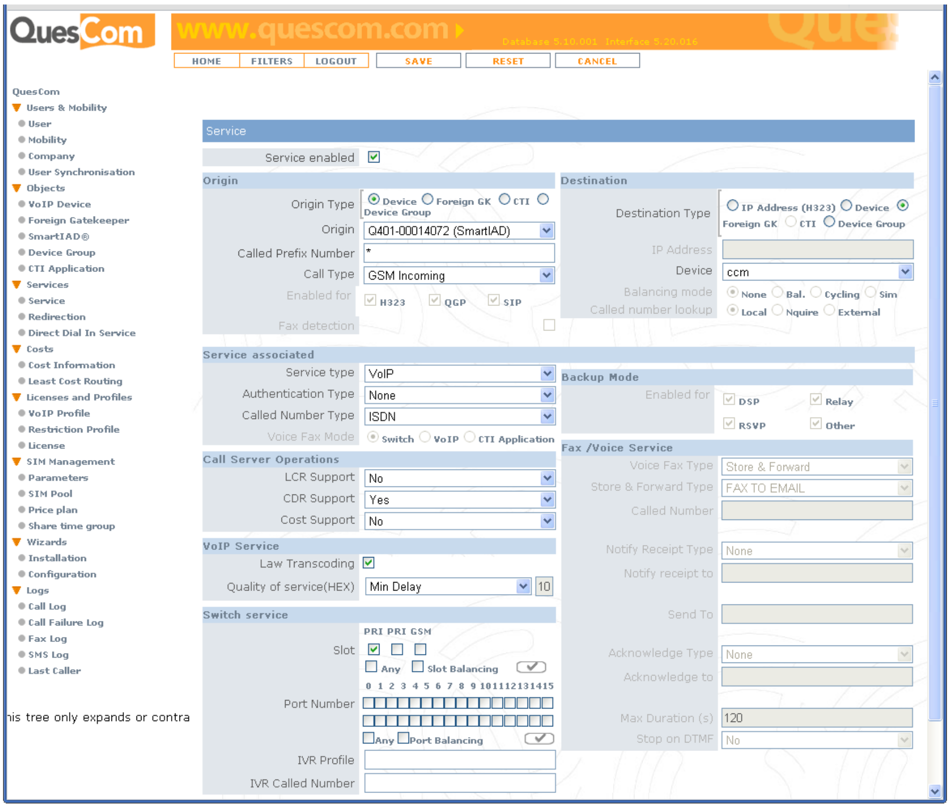
Define SIP Trunk with CCM



Create a service from CCMH323 * to GSM Pool



Create a service top route Incoming GSM to CCM Trunk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Mobility
Company
User Synchronisation
Objects
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Foreign Gatekeeper
SmartIAD®
Device Group
CTI Application
Services
Service
Redirection
Direct Dial In Service
Costs
Cost Information
Least Cost Routing
Licenses and Profiles
VoIP Profile
Restriction Profile
License
SIM Management
Parameters
SIM Pool
Price plan
Share time group
Wizards
Installation
Configuration
Logs
Call Log
Call Failure Log
Fax Log
SMS Log
Last Caller
his tree only expands or contra
Service
Service enabled
Origin
Origin Type
Device
Foreign GK
CTI
Device Group
Origin
Q401-00014072 (SmartIAD)
Called Prefix Number
Call Type
GSM Incoming
Enabled for
H323
QGP
SIP
Fax detection
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IP Address
Device
ccm
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Bal.
Cycling
Sim
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Local
Nquire
External
Service associated
Service type
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Authentication Type
None
Called Number Type
ISDN
Voice Fax Mode
Switch
VoIP
CTI Application
Backup Mode
Enabled for
DSP
Relay
RSVP
Other
Call Server Operations
LCR Support
No
CDR Support
Yes
Cost Support
No
Fax /Voice Service
Voice Fax Type
Store & Forward
Store & Forward Type
FAX TO EMAIL
Called Number
Notify Receipt Type
None
Notify receipt to
VoIP Service
Law Transcoding
Quality of service(HEX)
Min Delay
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Acknowledge Type
None
Acknowledge to
0 1 2 3 4 5 6 7 8 9 101112131415
Port Number
Max Duration (s)
120
Any
Port Balancing
Stop on DTMF
No
IVR Profile
IVR Called Number


QuesCom
ONE NUMBER
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