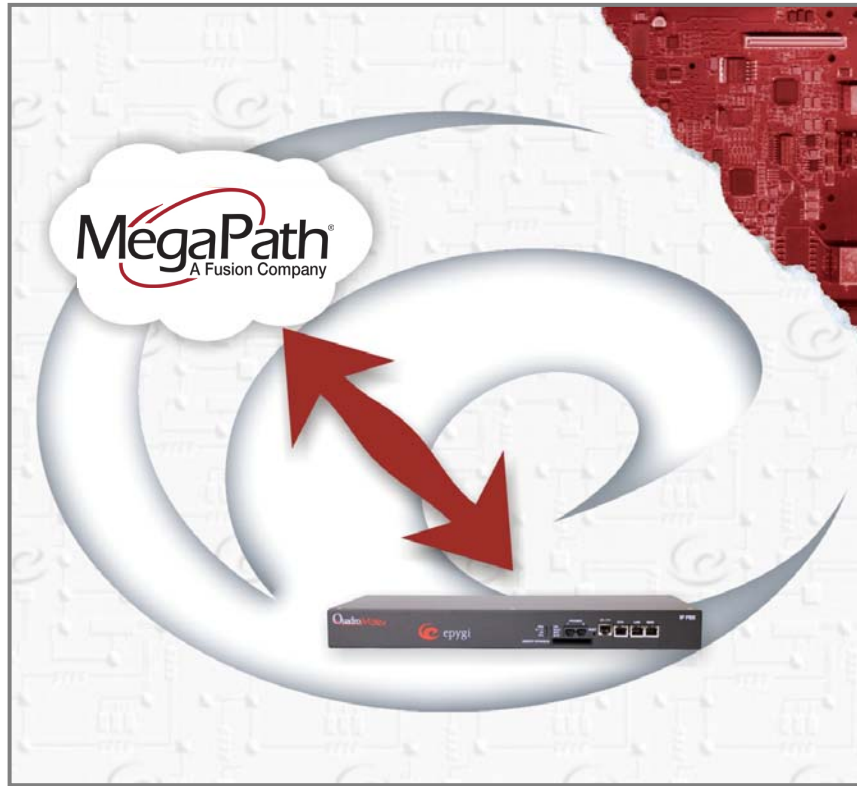

Configuring Quadro with MegaPath



Revision: 1.1

Abstract: This document describes how to configure the Quadro to use the SIP Trunking service from MegaPath.

Document Revision History

Revision	Date	Description	Valid for SW	Valid for models
1.0	04-Jun-2010	Initial release	5.1.x	Quadro IP PBXs
1.1	15-Jun-2011	Updated	5.2.x	Quadro IP PBXs

Table of Contents:

Configuring Quadro with MegaPath..... 1

1 Introduction..... 4

2 Requirements and Preparations 4

 2.1 Account Information from MegaPath 4

3 Configuration 4

 3.1 Making Outgoing Calls through MegaPath 4

 3.2 Receiving Inbound Calls from MegaPath 8

4 Additional Configuration 9

5 References 9

1 Introduction

This document describes how to configure the Quadro to use the SIP Trunking service from MegaPath. The Quadro IP PBX is capable of making IP-PSTN calls via the MegaPath network. This solution allows Quadro IP PBX users to make cost-saving calls to distant destinations.

Please Note: Security issues and rates are beyond the scope of this document.

2 Requirements and Preparations

- The Quadro IP PBX is connected to the network and all network settings are properly configured.
- The Quadro IP PBX is running software 5.1.x or higher.

2.1 Account Information from MegaPath

MegaPath will provide the customer with the following sample data:

- Username megapath1234(username provided by ITSP)
- Password ****
- SIP server 11.22.33.44(provided address of ITSP)
- DID 1-206-111-22-33

The above data is for example purposes only.

3 Configuration


The sections below describe the configurations required on the Quadro to allow the users to

1. Make outgoing calls through MegaPath.
2. Receive incoming calls through MegaPath.

3.1 Making Outgoing Calls through MegaPath

First of all, provided account should be registered. For creating a new extension and registering it on MegaPath service, go to **Telephony->VoIP Carrier Wizard** page, pass through this wizard and enter the following parameters:

- **VoIP Carrier** – Manual;
- **Description** – MegaPath;
- Press **Next** button (Figure 1).



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VoIP Carrier Wizard

Select VoIP Carrier

VoIP Carrier: Manual

Description: MegaPath

Previous Next Cancel Help

[Please check your pending events!](#)

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Figure 1: VoIP Carrier Wizard – page 1

In the next opened page, enter the following parameters according to the data above:

- **Account Name** – megapath1234;
- In the **Password** and **Confirm Password** fields, enter the provided SIP account password;
- **SIP Server** – 11.22.33.44;
- **SIP Server Port** – 5060;
- Enable **Use RTP Proxy** service and press **Next** (Figure 2).

VoIP Carrier Wizard

VoIP Carrier Settings

VoIP Carrier Common Settings

Account Name: megapath1234

Password: ●●●●

Confirm Password: ●●●●

SIP Server: 11.22.33.44

SIP Server Port: 5060

VoIP Carrier Advanced Settings

Use RTP Proxy

Authentication User Name: _____

Send Keep-alive Messages to Proxy

Timeout: 60 sec

Outbound Proxy

Host Address: _____

Port: _____

Secondary SIP Server

Host Address: _____

Port: _____

Outbound Proxy for Secondary SIP Server

Host Address: _____

Port: _____

Previous Next Cancel Help

Please check your pending events!

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Figure 2: VoIP Carrier Wizard – page 2

On the third page of VoIP Carrier Wizard, you can define the Access Code which will be used in the Call Routing Table. Let's say it is 00. You can also define the extension, on which you will receive the incoming calls from MegaPath. Let's say it is 11.

- **Access Code** – 00;
- **Emergency Code** – leave the default value or put your country emergency call;
- **Route Incoming Calls to** – 11;
- If you want the calls to failover through an onboard FXO line, you can enable **Failover to PSTN** service too and press **Next** button (Figure 3).

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VoIP Carrier Wizard

VoIP Carrier Access Code

Access Code:

Emergency Code:

Route Incoming Calls to:

Failover to PSTN

1 - WARNING: if this ITSP is 911 compliant then you have to bind this account with the geographical address of your device. If the ITSP is not 911 compliant then the public safety agency will not be able to determine the address automatically.

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Figure 3: VoIP Carrier Wizard – Page 3

- Confirm entered settings on the last page of VoIP Carrier Wizard page and press “**Finish**” button (Figure 4).

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VoIP Carrier Wizard

VoIP Carrier Summary

VoIP Carrier: Manual
Description: MegaPath

VoIP Carrier Common Settings

Account Name: megapath1234
SIP Server: 11.22.33.44
SIP Server Port: 5060

VoIP Carrier Advanced Settings

Use RTP Proxy: Yes
Authentication User Name:
Send Keep-alive Messages to Proxy: No

VoIP Carrier Access Code

Access Code: 00
Emergency Code:
Route Incoming Calls to: 11
Failover to PSTN: No

Please check your pending events!

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Figure 4: VoIP Carrier Wizard – Summary page

Go to **Telephony->Call Routing** page and follow **Call Routing Table** link. In the list of call routing rules, find the newly added rule with the pattern, which you have recently created from the VoIP Carrier Wizard (in the above configuration it is 00). See Figure 5.

Call Routing Table

Show Detailed View >>> Hide disabled records

ID	State	Number Pattern	Pattern Modification	Call Settings	Failover Reason(s)	Local Authentication	Source Number Pattern/Caller ID Modification	Source Type	DT	UES / URP	Metric	Dir
1	Enabled	911		ISDN trunk: Any Port(User)	None	No	*	PBX			10	Er
2	Enabled	9?*	NDS: 1	ISDN trunk: Any Port(User)	Any	No	*	PBX			10	M
<input type="checkbox"/>	Enabled	8*	NDS: 1	SIP sip.epygi.com	None	No				URP: No	10	M
<input type="checkbox"/>	Enabled	??		PBX	None	No					10	C
<input type="checkbox"/>	Enabled	00*	NDS: 2	IP-PSTN 11.22.33.44:5060, RNSC: No	None	No	*	PBX		UES: 99 URP: Yes	10	M

NDS - Number of Discarded Symbols **UES** - Use Extension Settings **RNSC** - Restrict the Number of Simultaneous Calls

URP - Use RTP Proxy **AAA** - Authentication, Authorization, Accounting **DT** - Date/Time

Back Help

Please check your pending events!

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Figure 5: Call Routing Table

3.2 Receiving Inbound Calls from MegaPath

No other steps are needed to receive incoming calls from MegaPath service as you have already created the needed configuration during the VoIP Carrier Wizard. You will receive all incoming calls on extension 11 (Figure 6).

Caller ID Based Services for Any Address

Extension: 98

Enable Service

State	Forward to
<input type="checkbox"/> Enabled	PBX:11

Send Notification Via SMS
Mobile Number

Send E-mail
E-mail Address

Toggle from Handset

Save Back Help

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Figure 6: Caller ID Based Services page

4 Additional Configuration

To receive the Hold Music of the Quadro on the remote side “Send Hold Music to remote IP party” (extension’s supplementary services) and “Force Hold Music” (generalconfig.cgi hidden page) services should be enabled on the appropriate extension of the Quadro (Figure 8).



Figure 8: Basic Services – Hold Music Settings page

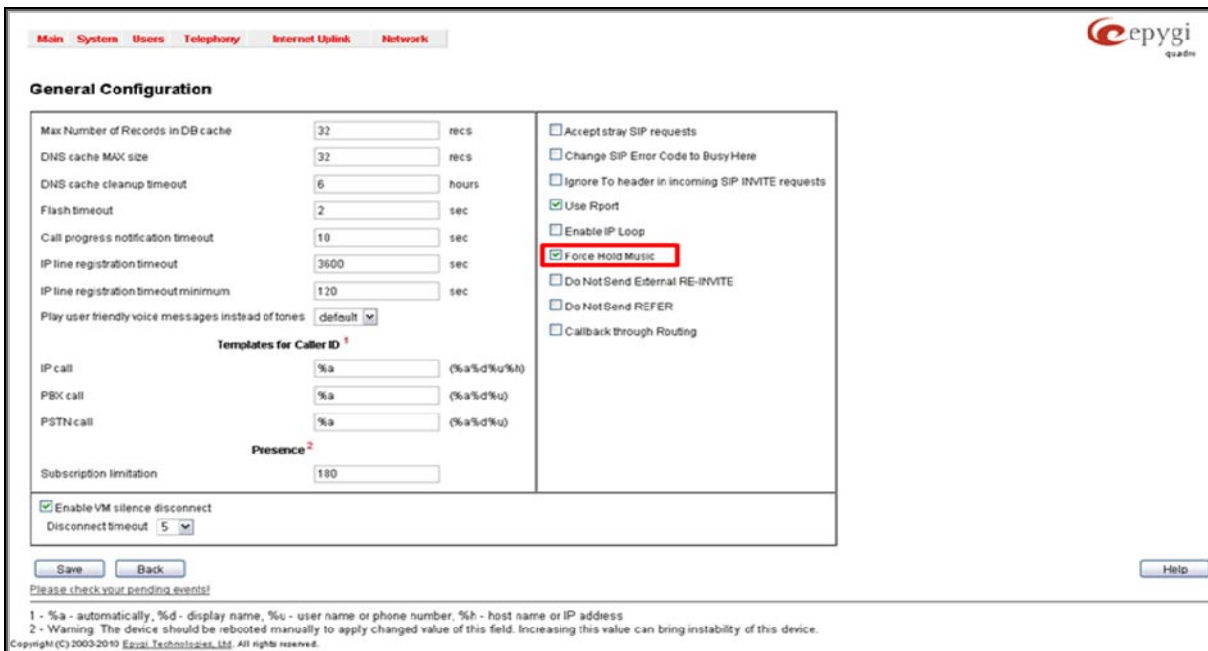


Figure 9: General Configuration hidden page

5 References

The following documents can be helpful for further configuration of the Quadro IP PBX. They can be downloaded from Epygi’s WEB portal at www.epygi.com.

- Quadro Manual I – Installation Guide
- Quadro Manual II – Administrator’s Guide
- Preventing Unauthorized Calls on the Quadro
- User Access Privileges on the Quadro
- Quadro with generic IP-PSTN service

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