Bollettino : 04/03/2011

Oggetto : Configurazione di un centralino Epygi con Microsoft Exchange 2007

Basic Setup for Quadro IP PBX / Exchange Server 2007 UM

This document describes a simple setup for Microsoft Exchange 2007 UM and Quadro IP PBX . Though this setup provides the basic functionality to get you started.

Configuring Exchange and Quadro IP PBX

1. Install the Unified Messaging role on your exchange server.

Run the Exchange Management Console:

Exchange Management Console						
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🔯 Microsoft Exchange	📑 Unified Messa	ging			1 object	Actions
Grganization Configuration Mailbox	UM Dial Plans UM IP Ga	teways UM Mailbox Polic	ies UM Auto Attendants			Unified Messaging
Crganization Configuration Malibox Client Access Hub Transport Unified Messaging Server Configuration Malibox Client Access Hub Transport Unified Messaging Recipient Configuration Malibox Distribution Group Mail Contact Disconnected Malibox Toolbox	UM Dial Plan: UM IP G	steways UM Mailbox Polic	IM Auto Attendants Associated UM Servers EXCH	Associated UM IP Gateways Quadro.	Associated UM Mailt Quadro Default Polic	Unified Messaging Image: New UM Dial Plan Image: New UM IP Gateway Image: New UM Malbox Policy Image: New UM Auto Attendant Image: Export List View Image: Refresh Image: Help

2. Create a New Unified Messaging Dial Plan: Using the Exchange management console, select Organization Configuration/Unified Messaging. Under 'Actions' select the 'New UM Dial Plan'. Name the dial plan 'Quadro' and set the 'Number of digits in extension numbers' to 3 (depending on your dial plan).

New UM Dial Plan Completion	New UM Dial Plan This wizard helps you create a UM dial plan for use by Microsoft Exchange Unified Messaging, A dial plan is a grouping of unique telephone extension numbers
	Name
	Quadro
	Nymber of digits in extension numbers;
	[3
	UBI type:
	Telephone Extension
	YolP security:
	Unsecured
	After you create a new dial plan, the dial plan must be added to one or more UM servers before it will be used.

Click 'New' and then 'Finish'.

3. Create a New Unified Messaging IP Gateway: Under 'Actions' select New UM IP Gateway. Name the gateway 'Quadro', select IP address and enter the IP address of your Quadro IP PBX (in our case it is 192.168.2.128). Click the 'Browse' button next to 'Dial Plan' and select the 'Quadro' dial plan you created in step two.

 New UM IP Gateway Completion 	New UM IP Gateway This wizard helps you create a UM IP gateway for use by Micro Messaging, UM IP gateways represent the connection betwee PBX and Unified Messaging.	osoft Exchange Unified n a physical gateway or IP	
	Name:		
	IP Address:		
	[192.166.2.128		
	Example: 192, 168, 10, 10 Eully qualified domain name (FQDN):		
	I Example: smarthost.company.com		
	Dial plan:		
	Quadro	Biowse	
	(i) If a dial plan is selected, a default hunt group will be create IP gateway to the specified dial plan. If no dial plan is select created manually.	ed to associate this new UM sted, a hunt group must be	

Click 'New' and then 'Finish'.

4. Associate the Dial Plan with the Unified Messaging server: Using the Exchange management console, select Server Configuration/Unified Messaging. Under 'Actions' click on 'Properties' and select the 'UM Settings' tab. Under 'Associated Dial Plans' click the 'Add' button. Choose the'Quadro' dial plan created in step two. Click OK.

CH Properties	10		
General System Settings UM S	ettings		
Associated Dial Plans	<i></i>		-
			-
Name			
Quadro			
102 2 025 2 2			
Miscellaneous Configuration	~		
Prompt languages:	English (United States)]
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	1	100	
I♥ Maximum concurrent calls.		1100	
Maximum concurrent fax ca	lls:	100	
	0 * * 0 *		
UK.	Cancel	pply Help	l.

5.Enable Mailbox Recipients for Unified Messaging: Using the Exchange management console, select Recipient Configuration/Mailbox. Select the mailbox you wish to enable and then under 'Actions' click on 'Enable Unified Messaging'.

🔀 Exchange Management Console			_ @ ×
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83 Microsof		1 object	Actions
New Mailbox			Mailbox
		ry SMTP Address Server	🔱 Modify the Maximum Number
Districture User Tupe		locs.loc exch	🦪 Find
Serv User Type You can create a new user or select existing user	sers for whom you want to create new	N	2 New Mailbox
Mailboxes.	Select User - ocs.loc		- O × prt List
Create mailboxes for	Elle View Scope		
New user	Search:	Figd Now Clgar	arth
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	Vrnware_user	ocs.loc/Users	
Name Organizati	ional 3115 115	ocs.loc/Tel	
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	🕹 dvdrw	ocs.loc/Tel	
	USR_EXCH	ocs.loc/Users	
	TWAM EXCH	ocs.loc/Users	
	IWAM_FRONT	ocs.loc/Users	
	Narek Amirkhanyan	ocs.loc/Tel	
	BTCárchivingService	ocs.loc/Tel	
	& RTCComponentService	ocs.loc/Users	
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🔊 Start 👘 🦉 🎯 🙈 🖓 🚳 🕺 🕅 🕅 🕅 🕅 🕅	. 🛛 📑 New Mailbox	Select User - ocs.loc	🥩 (P) 15:46



Next on 'Unified Messaging Mailbox Policy' click the 'Browse' button and select the 'Quadro Default Policy'. Next manually specify the PIN.

Extension Configuration Enable Unified Messaging	Introduction The selected mailbox will be enabled for Unified Me message will be sent to the mailbox notifying the us Unified Messaging. The message will include the PI to their mailbox By default, an extension number and can also manually specify an extension number and	essaging. Upon completion, an e-mail er that they have been enabled for IN and the number to dial to gain acces d PIN are automatically generated. You FIN.
Completion	Unified Messaging Mailbox Policy:	
	Quadro Default Policy	Biowse
	PIN Settings	
	C Automatically generate PIN to access Outlook	Voice Access
	 Manually specify PIN: 	
	Require user to reset PIN at first telephone load	m
	C Unified Messaging is a premium feature and rec Access License (CAL) to enable it for the mailbo	juire <mark>s an Exchange Enterprise Client</mark> ox

Click 'Next' and enter a mailbox extension for the user .

Introduction	Extension Configuration	
Extension Configuration	C Automatically generated mailbox sytemsion	
Enable Unified	Manually entered mailbox extension.	117
Messaging	SIP Resource Identifier	
Use Completion	For a SIP URI dial plan, this is the SIP address of the use bony smith@contese.com) For an 5.164 dial plan, this is fexample: +14255501501	er lexample the E.164 address of the user
	C Automatically-generated SIP resource identifier:	
	Manually entered SIP or E.164 address:	
	The second se	

Click on 'Enable' button and you'll get the enabled user for the Unified Messaging. Repeat this step for each mailbox.

 Introduction Extension Configuration 	Enable Unified Messaging When you click Enable, the following recipient will be enabled for Unified Messaging. Configuration Summary:
Messaging	🚜 117 117
Completion	Unified Messaging Mailbox Policy: Quadro Default Policy Mailbox Extensions: 117 Specify PIN to access Unified Messaging Require user to reset PIN at first logon

Configuring the Quadro IP PBX for Exchange

To configure Quadro IP PBX you need to create the Call Routing Record first.

To create the Call Routing Record navigate the GUI of the Quadro (http://IP_address_of_Quadro)

Under the **"Telephony-> Call Routing-> Call Routing Table"** add the new Call Routing Record.

Click on 'Add' and fill the 'Pattern'. In our example it is 65* which means that if you want to call, for example, extension # 112, you have to dial 65112, and the number of discarded symbols will be 2.

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e Edit View History Bookmarks (Cools Help			33
• 🔶 · 🧭 🔕 🏠 💽	http://192.168.35.70/lcrwizard.cgi		T D Google	19
Quadro 192.168.35.70 📄 Quadro E1/T	1 192,1			
Main System Users Telepho Call Routing Wizard	ny Internet Uplink. Network		@ ep	ygi •
Routing Call Type - Edit Ent	ry			
Pattern:	65* (wildcard supported)		Enabler Key:	
Number of Discarded Symbols:	2		Disabler Key:	
Prefix:			Require Authorization for	
Suffix:			Enabling/Disabling	
Call Type:	SIP			
Metric:	10			
Description:				
Filter on Caller / Call Type / M	odify Caller ID			
Previous	Next	Cancel	Help	
Please check your pending events! yright (C) 2008 <u>Epygi Technologies, Ltd</u> . All	rights reserved.			
ne				

Set the 'Destination Host' to the IP address of the Exchange Server and the 'Destination Port' to the SIP port of Exchange 2007. Set the 'Transport Protocol for SIP messages' to TCP.

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🔕 • 🧼 • 🧭 🕝 🏠 🙋 http://192	168.35.70/lcrwizard.cgi		- D G Google	9
Quadro 192.168.35.70 📄 Quadro E1/T1 192.1				
Main System Users Telephony Routing Call Settings - Edit Entry	Internet Uplink Network		(epygi ⁴
Use Extension Settings: 📃 💌	Keep Original Caller ID Add Remote Party ID	Transport Protocol for SIP messages		
Destination Host: Destination Port:	192.168.2.128 5085	© TCP SIP Privacy © Default Privacy		
Username: Password:		C Disable Privacy		
Enable Activity Timeout Activity Timeout:		C Enable Privacy		
Use RTP Proxy		Require Privacy		
AAA Required:				
Fail Reason:	None			_
Previous	Next	Cancel	Help	

Click 'Next' and 'Finish'.

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ro 192.168.35.70 📄 Quadro E1/T	1 192.1				
6					6 en
n System Users Telepho	ny Internet (Jplink Network			CCP.
Routing Wizard					
ummary - Edit Entry					
Ro	uting Call Type			Routing Call Settings	
Pattern:	65*		Use Extension Settings:	040	
lumber of Discarded Symbols;	2		Keep Original Caller ID:	No	
refix:			Add Remote Party ID:	No	
Suffix:			Destination Host:	192.168.2.128	
Call Type:	SIP		Destination Port:	5065	
Aetric:	10		Username:		
Description:			Transport Protocol for SIP:	TCP	
			SIP Privacy:	Default	
			Use RTP Proxy:	No	
			Activity Timeout:	Disabled	
			AAA Required:	AAA disabled.	
			Fail Reason:	None	
			-		
Previous		Finish	Cancel	Help	
e check your pending events!	ana kao na anana a				
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The configuration of Call Routing Rules is completed now so that dialing 65 plus the extension of Exchange server (113 for example) you'll get the prompt of the Exchange server.