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Topic / Issue:	Basic Setup for Quadro PBX / Exchange Server 2007 UM Interoperability			
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This document describes a simple set up for Microsoft Exchange Server 2007 UM and Quadro IP PBX. Although this setup provides basic functionality to get you started, keep in mind both Exchange and Quadro offer extensive customisation allowing much more complex configurations.

## **Configuring Exchange for Quadro**

Install the unified messaging role on your exchange server. Run Exchange Management Console:

🔀 Exchange Management Console									_ 8 ×
Eile Action View Help									
Microsoft Exchange	🔐 Unified M	1essaging					3 objects	Actions	
Griganization Configuration     Mailbox	UM Dial Plans UM IP Gateways UM Mailbox Policies UM Auto Attendants					Unified Messaging	-		
	UM Dial Plan	L	# Digits	Associated UM Servers	Associated UM IP Gateways	Associated UM Mailbox Pol		New UM Dial Plan	
Hub Transport	📄 Quadro		3	Quadro PBX	Quadro PBX	Quadro Default Policy		膏 New UM IP Gateway	
Server Configuration								1 New UM Mailbox Policy	
								👫 New UM Auto Attendant	
Hub Transport								View	•
Inified Messaging     Recipient Configuration								🔊 Refresh	
Mailbox								😭 Help	
								pbxnsip dial plan	•
Disconnected Mailbox								X Remove	
								V Properties	
								😭 Help	

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<ul> <li>New UM Dial Plan</li> <li>Completion</li> </ul>	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
	Number of digits in extension numbers:
	2
	URI type:
	Telephone Extension
	VolP 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.

**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 PBX. Click the 'browse' button next to dial plan and select the 'Quadro' dial plan you created in step two.

**Create a new unified messaging dial plan:** Using the Exchange management console, select Organisation Configuration/Unified Messaging. Under actions select new UM dial plan. Name the dial plan 'Quadro' and set the 'number of digits in extension numbers' to match the extension number scheme on the Quadro. Click 'new' and then 'finish'.

Properties 🛛 🛛 💌					
General					
Quadro					
· · · · · · · · · · · · · · · · · · ·					
Status: Enabled					
Modified: Wednesday, 12 March 2008 5:09:26 PM					
IP Address:					
192,168,15,208					
Fyample: 192 168 10 10					
<u>Fully qualified domain name (FQDN):</u> 					
Example: smarthost.company.com					
Allow outgoing calls through this UM IP gateway					
OK Cancel Apply Help					

Epygi Properties				x
General UM Settings				
Associated Dial Plans				
🛟 A <u>d</u> d 🗡				
Name				
📄 Quadro				
, Miscellaneous Configuration —				
<u>P</u> rompt languages:	English (United States	5)	Å	
Maximum concurrent calls:		10	00	
Maximum concurrent <u>f</u> ax calls	s:	10	00	
ОК	Cancel	Apply	Help	

**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 enable unified messaging. Next to unified messaging mailbox policy click the browse button and then select the Quadro default policy. Enter a mailbox extension for this user which matches their extension number on the Quadro PBX. Manually specify the PIN and click enable. Repeat this step for each mailbox.

Associate the dial plan with the unified messaging server: Using the Exchange management console, select Server Configuration/Unified Messaging. Under actions click properties and then click the 'UM settings' tab. Under associated dial plans click the add button. Choose the 'Quadro' dial plan created in step two. Click OK.

troduction xtension onfiguration nable Unified essaging ompletion	Introduction The selected mailbox will be enabled for Unified Messaging. Upon completion, an e-mail message will be sent to the mailbox notifying the user that they have been enabled for Unified Messaging. The message will include the PIN and the number to dial to gain access to their mailbox. By default, an extension number and PIN are automatically generated. You can also manually specify an extension number and PIN.				
	Quadro Default Policy	Bjowse			
	PIN Settings				
	C Automatically generate PIN to access Outlook Voice A	ccess			
	Manually specify PIN:	•••••			
	Hequire user to reset <u>PIN</u> at first telephone logon				
	Unified Messaging is a premium feature and requires an Access License (CAL) to enable it for the mailbox.	n Exchange Enterprise Client			

## **Configuring Quadro for Exchange**

Create a new Call Route to connect to Exchange:

## Call Routing Table Show Detailed View >>> Hide disabled records Enable Disable Add Edit Duplicate Delete Select all Inverse Selection Move Up Move Down Move To Inbound Pattern/ Inbound Settings Pattern Modification Call Settings DT UES/URP Metric Description ID State Pattern Fail Reason Local Authentication Modification SIP 1 3?? NDS: 1 10 Enabled None No URP: No Dial Exchange 2007 192.168.15.139:5060

1. Add a Route and set the Call Type to SIP with the IP address of the Exchange 2007 server and port 5060 as the Destination Host/Port.

2. Set the SIP Transport Protocol as TCP as required by Exchange.

Call Routing Wiza	ard				
Routing Call Type - E	dit Entry		Call Routing Wizard		
Enable Record			Routing Call Settings - E	dit Entry	
Pattern:	3??	]			
Number of Discarded Symbols	: 1	]	lica Extansion Sattings:		
Prefix:			Use Extension Settings.	Keep Original Caller ID	Transport Protocol for SIP
Suffix:				Add Remote Party ID	O UDP
Call Type:	SIP		Destination Host: Destination Port:	192.168.15.139	<ul><li>● TCP</li></ul>
Metric:	10	]	u		
Description:	Dial Exchange 2007				