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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:

The screenshot shows the Exchange Management Console interface. The left-hand navigation pane is expanded to 'Unified Messaging'. The main pane displays a table of Unified Messaging configurations for a 'Quadro' system.

UM Dial Plan	# Digits	Associated UM Servers	Associated UM IP Gateways	Associated UM Mailbox Pol...
Quadro	3	Quadro PBX	Quadro PBX	Quadro Default Policy

The right-hand pane shows the 'Actions' menu for the selected 'pbxsip dial plan', including options like 'New UM Dial Plan...', 'New UM IP Gateway...', 'New UM Mailbox Policy...', 'New UM Auto Attendant...', 'View', 'Refresh', 'Help', 'Remove', 'Properties', and 'Help'.

**New UM 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:

Number of digits in extension numbers:

URI type:

VoIP security:

*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 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'.

**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.

**Properties**

General

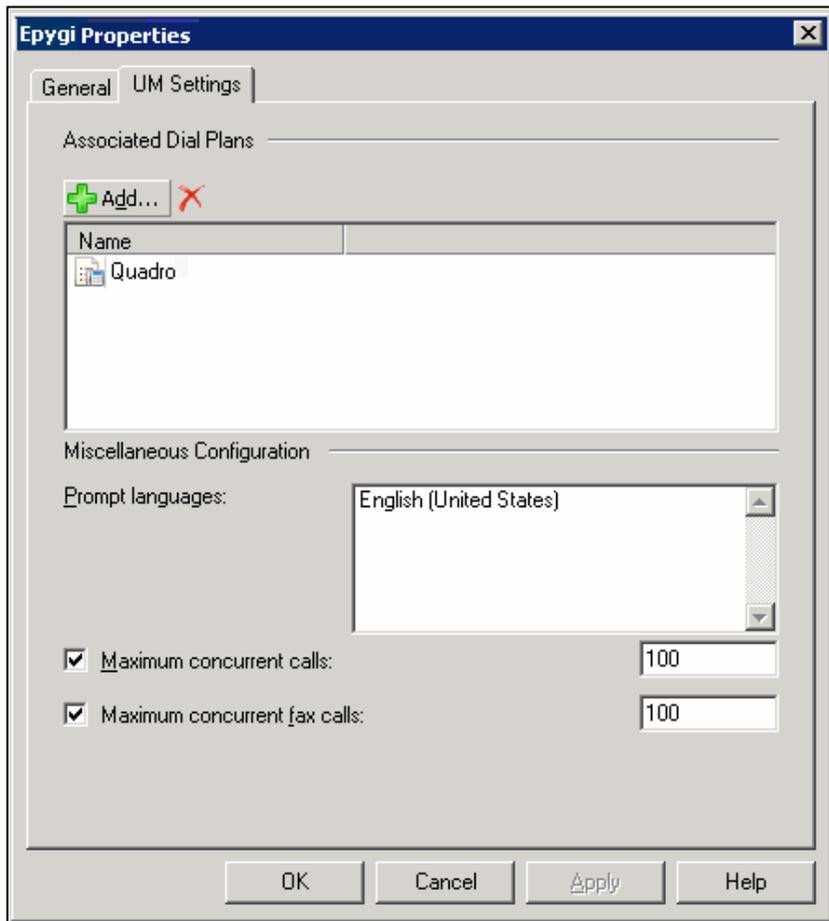
Status: Enabled

Modified: Wednesday, 12 March 2008 5:09:26 PM

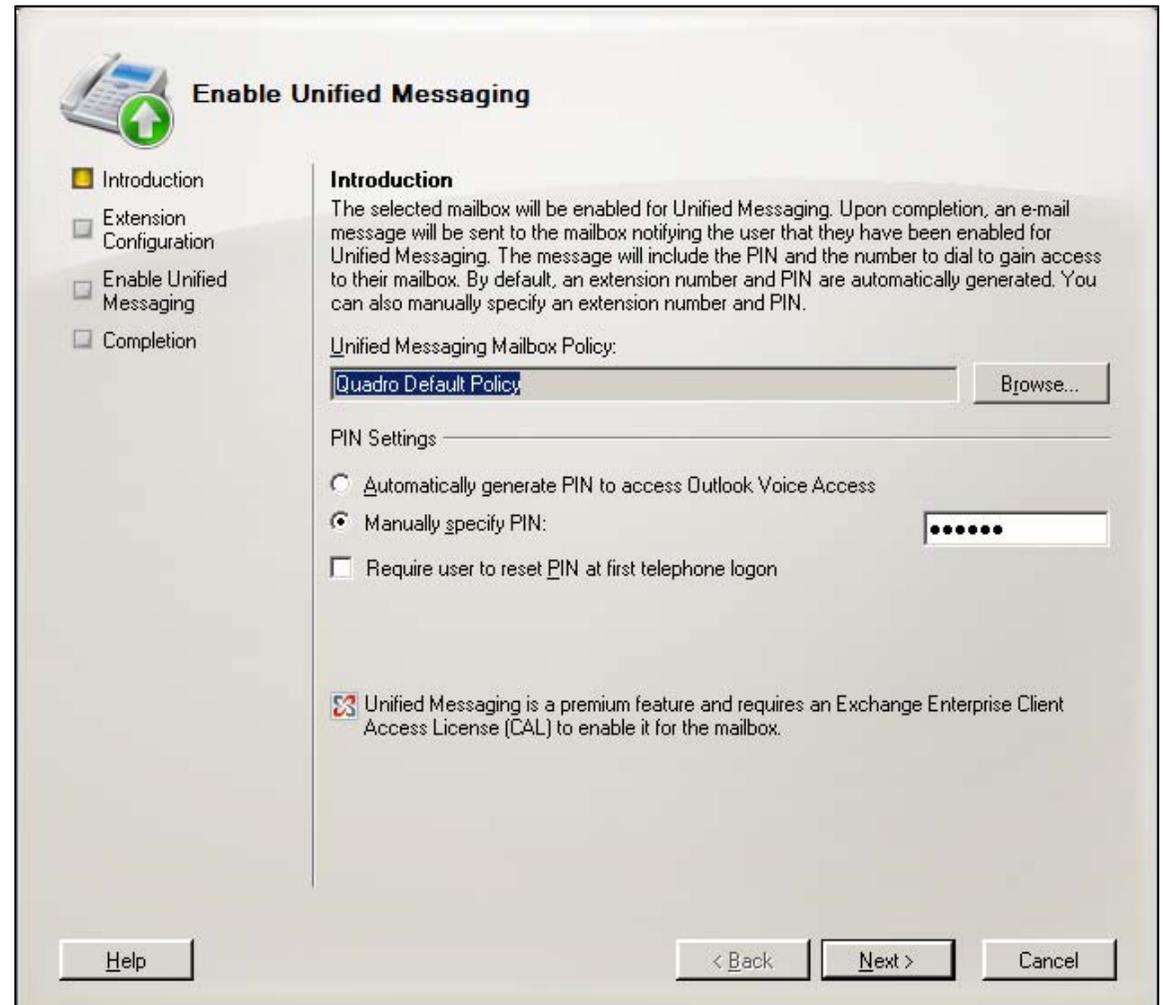
IP Address:  
  
 Example: 192.168.10.10

Fully qualified domain name (FQDN):  
  
 Example: smarthost.company.com

Allow outgoing calls through this UM IP gateway



**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.



**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.

## 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](#)

	ID	State	Pattern	Pattern Modification	Call Settings	Fail Reason	Local Authentication	Inbound Pattern/ Modification	Inbound Settings	DT	UES / URP	Metric	Description
<input type="checkbox"/>	1	Enabled	3??	NDS: 1	SIP 192.168.15.139:5060	None	No				URP: No	10	Dial Exchange 2007

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 Wizard

#### Routing Call Type - Edit Entry

Enable Record

Pattern:

Number of Discarded Symbols:

Prefix:

Suffix:

Call Type:

Metric:

Description:

### Call Routing Wizard

#### Routing Call Settings - Edit Entry

Use Extension Settings:   Keep Original Caller ID

Add Remote Party ID

Transport Protocol for SIP

UDP

TCP

Destination Host:

Destination Port: