ALLOY

TECH ARTICLE

Date: 3/09/2008

Topic / Issue:	Basic Setup for Quadro PBX / Exchange Server 2007 UM Interoperability
Written By:	Chris Pulsford

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:

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.

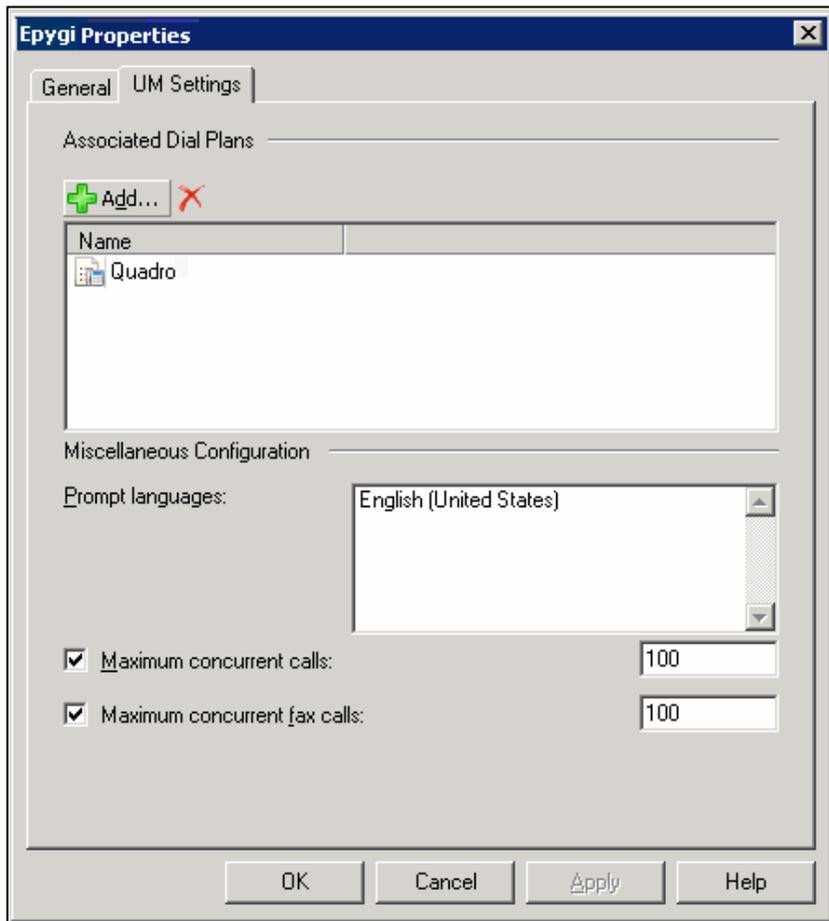**Associate the dial plan with the unified messaging server**: Using the Exchange management console, select Server Configuration/Unified Messaging. Under actions click properties and then click the 'UM settings' tab. Under associated dial plans click the add button. Choose the 'Quadro' dial plan created in step two. Click OK.
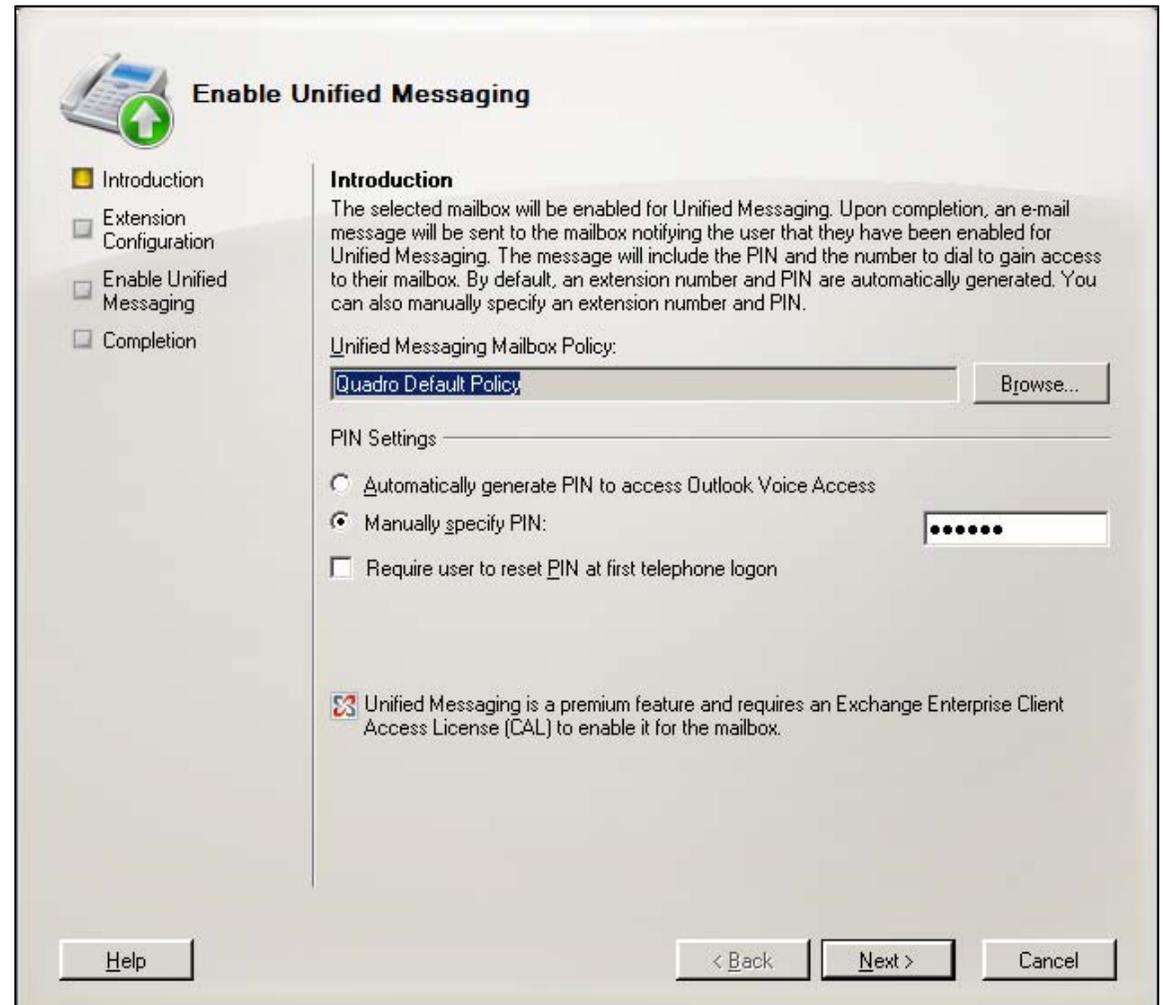
Enable mailbox recipients for unified messaging: Using the Exchange management console, select Recipient Configuration/Mailbox. Select the mailbox you wish to enable and then under actions click enable unified messaging. Next to unified messaging mailbox policy click the browse button and then select 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
☐	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: `3??`

Number of Discarded Symbols: `1`

Prefix:

Suffix:

Call Type: `SIP`

Metric: `10`

Description: `Dial Exchange 2007`

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: `192.168.15.139`

Destination Port: `5060`