

# FREQUENTLY ASKED QUESTIONS

ETERNITY NE

What  
When  
Which  
Where  
How  
Who  
Why



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## DDI Mapping on SIP Trunk in ETERNITY NE

**Step1:** Register the SIP Trunk using the Credentials given by the Service Provider

The screenshot displays the ETERNITY NE web interface. The top header shows the 'MATRIX' logo and the text 'ETERNITY'. Below the header is a navigation menu with categories: 'Basic Settings', 'Advanced Settings', 'Maintenance', and 'Status'. Under 'Basic Settings', 'SIP Trunks' is highlighted with a red box. The main content area shows a tabbed interface with 'SIP-1' selected and highlighted in red. Below the tabs, there is a 'SIP' configuration section. The 'Enable SIP Trunk' checkbox is checked. The 'SIP Trunk Mode' is set to 'Proxy' (selected with a radio button) and 'Peer-To-Peer' is unselected. The 'SIP ID' is entered as '6439426407'. Three checkboxes are checked: 'Check SIP ID during incoming call', 'Check Proxy Address for Incoming call', and 'Check Proxy Port for Incoming call'. The 'Proxy/Registrar Parameters' section includes: 'Proxy/Registrar Server Address:Port' set to '2way.ipcomms.net' and '05060'; 'Authentication ID' set to '6439426407'; and 'Authentication Password' masked with '\*\*\*\*\*'. The 'Outbound Proxy' section includes: 'Enable Outbound Proxy' checkbox is unchecked; 'Outbound Proxy Address: Port' set to 'nat.voiptalk.org' and '05065'; 'Re-registration Timer' set to '00060'; and 'Registration Retry Timer' set to '00010'.

Category	Item	Value
SIP	Enable SIP Trunk	<input checked="" type="checkbox"/>
	SIP Trunk Mode	<input checked="" type="radio"/> Proxy <input type="radio"/> Peer-To-Peer
	SIP ID	6439426407
	Check SIP ID during incoming call	<input type="checkbox"/>
	Check Proxy Address for Incoming call	<input checked="" type="checkbox"/>
	Check Proxy Port for Incoming call	<input checked="" type="checkbox"/>
	Proxy/Registrar Parameters	
	Proxy/Registrar Server Address:Port	2way.ipcomms.net : 05060
	Authentication ID	6439426407
	Authentication Password	*****
Outbound Proxy		
Enable Outbound Proxy	<input type="checkbox"/>	
Outbound Proxy Address: Port	nat.voiptalk.org : 05065	
Re-registration Timer	00060	
Registration Retry Timer	00010	

**Step2:** Go to the **DDI Routing** under Basic Settings and Click on the **Pilot Numbers**. Enter the Pilot Number (Main Number) of SIP Trunk provided by the service provider

**Note:** If there are two or more SIP Trunks registered then enter the Pilot number (Main Number) in front of the respective SIP Trunks. Example: Pilot Number **6439426407** is for the SIP Trunk 1 & Pilot Number **7572634429** is for the SIP Trunk

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**MATRIX** ETERNITY

**Basic Settings**

- Region
- Pre-requisites
- Extn. & Feature Codes
- Trunks
- Time Table
- Operator
- SLT Extensions
- DKP Extensions
- SIP Extensions
- Device Management
- Door Phone
- Call Pickup Group
- CO Trunks
- Mobile Trunks
- VoIP Port
- SIP Trunks
- DDI Routing**
- Emergency Numbers
- Network Parameters

**Advanced Settings**

**Maintenance**

**Status**

**DDI Routing**

- DDI Numbers
- Pilot Numbers

Trunks	Pilot Number
SIP-1	6439426407
SIP-2	7572634429
SIP-3	
SIP-4	
SIP-5	
SIP-6	
SIP-7	
SIP-8	

Enter the Pilot Number

Submit Default

**Step3:** Go to the **DDI Numbers** and Enter the DDI numbers in front of the Extension Number you want to Map. Also, Enable the Flag under the **Allow Incoming DDI Calls** and **Send DDI Number as CLI**

**Note:** In this example, there are two SIP Trunks and two different DDI numbers are mapped to the same Extension number

**MATRIX ETERNITY**

Basic Settings

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- DDI Routing**
- Emergency Numbers
- Network Parameters

Advanced Settings

Maintenance

Status

**DDI Routing**

**DDI Numbers**

Extensions	SIP Trunk-1	SIP Trunk-2	SIP Trunk-3	SIP Trunk-8	Allow Incoming DDI Calls	Send DDI Number as CLI
21	6407				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
22	6408				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
23	6409	4429			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
24	6410	4430			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
25		4431			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
26					<input type="checkbox"/>	<input type="checkbox"/>
27					<input type="checkbox"/>	<input type="checkbox"/>
28					<input type="checkbox"/>	<input type="checkbox"/>
29					<input type="checkbox"/>	<input type="checkbox"/>
30					<input type="checkbox"/>	<input type="checkbox"/>
31					<input type="checkbox"/>	<input type="checkbox"/>
32					<input type="checkbox"/>	<input type="checkbox"/>

Enable the Flag to enable the DDI number mapping

Enter the DDI number that you want to map with the Specific Extension

**Step4:** Go to the **SIP Trunks** → **VoIP** and set the Fetch Called Party Number From field to an appropriate value.

**Note:** By Default **Request URI** is configured, but this needs to be configured when the Service provider is sending the **DDI number** in the **To Field** instead of **Request URI** while sending the Call Invite

The screenshot shows the configuration interface for SIP Trunks in the MATRIX ETERNITY system. The left sidebar contains a navigation menu with categories: Basic Settings, Advanced Settings, Maintenance, and Status. Under Basic Settings, 'SIP Trunks' is highlighted. The main content area shows the configuration for 'SIP-1'. The 'Fetch Called Party Number From' field is highlighted with a red box, and its dropdown menu is open, showing 'Request URI' and 'Request URI To Field', with 'Request URI To Field' selected and highlighted in blue. Other configuration fields include 'No. of Simultaneous Calls' (8), 'Handle rport' (Force NAT), 'Use Symmetric RTP' (unchecked), 'Digest Authentication' (unchecked), 'Default Transport for Outgoing Message' (UDP), 'Send REGISTER Message' (checked), 'Add rinstance in REGISTER' (checked), 'Allow OG Calls without Registration' (unchecked), 'DNS Record Type' (A Record), 'Send OPTIONS As HeartBeat' (unchecked), 'HeartBeat Interval' (030), 'Send Re-Invite over SIP Trunk on Hold' (Disable), 'Delayed Offer' (Disable), and 'On Connect Media Send' (183 Session Progress).

**Step5: Set Send CLI in FROM field to Calling Party Wise in Basic Settings → SIP Trunks**

**Note:** To send the **DDI number** as CLI instead of sending the **SIP ID** or the **Fixed Number**, we are setting this as **Calling Party Wise**

The screenshot shows the configuration interface for a SIP trunk in the MATRIX ETERNITY system. The left sidebar lists various settings, with 'SIP Trunks' selected. The main content area shows the configuration for 'SIP-1'. A red box highlights the 'Send CLI in FROM field' dropdown menu, which is currently set to 'Calling Party Wise'. The dropdown menu is open, showing the following options: 'Calling Party Wise', 'CLIR', 'SIP ID', 'Calling Party Wise', and 'Fixed Number'. The 'Calling Party Wise' option is highlighted in blue. Other settings visible include 'Send CLI Option' (set to 'Fixed Number') and 'P-Asserted-Identity/P-Preferred-Identity' (set to 'Fixed Number').

For more information, contact  
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