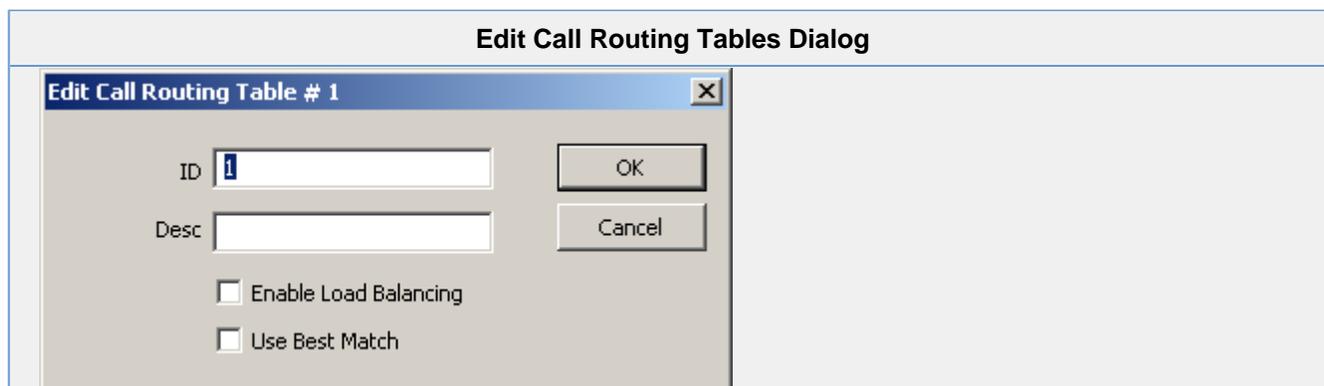


Call Routing Management

View Call Routing Table Entries	At the directory tree, select Telephony > Call Routing Tables to view the Call Routing Tables screen.
Add Call Routing Table Entries	Insert a new line in the Call Routing Tables screen, then double-click on the new line to present the Edit Call Routing Tables dialog box
Modify Call Routing Table Entries	Double-click on an entry in the Call Routing Tables screen, to present the Edit Call Routing Table Entries dialog box.



Field	Description
ID	Value to define number of the Call route
Desc	Text string that describes the call route
Enable Load Balancing	Select the checkbox to enable Load Balancing.

Edit Call Routing Tables Entries Dialog

Edit Call Route # 1
✖

General Parameters

Enabled Using Regular Expression Desc: Default Route to Primary OC Priority: 0

Input to Match

Match Rule: {+} Match Using AD Field: None

Match Exact Length: Expression Helper Numbering Type: Any Numbering Plan: Any

Advanced SIP Matching: CarrierSelectInfo: Any Carrier Code:

MLPP Namespace: Any MLPP Precedence: Any

Translate to Output

Translation Rule: +1 Translate Using AD Field: None

New MLPP Prec: Untranslated Numbering Type: Untranslated Numbering Plan: Untranslated

CarrierSelectInfo: Untranslated Carrier Code: Circuit Code: Untranslated

On Match Parameters

Msg Xlat Table: [None] CallingTransTable: None Signaling Priority: 0/00000000 (Best Effort)

Media Class: #1 G.711 mu-law Transfer Cap: Untranslated Media Priority: 0/00000000 (Best Effort)

Jitter Min Delay: 10 ms Jitter Optimization: 10 Mirror Media Diffserv from Inbound Media:

Destination

Deny Deny Cause code: 21 - call rejected
 BSP TrunkGroup: #2 SIP Trunkgroup
 SIP Proxy Node ID: [N/A]
 SIP Registrar Table SIP Proxy: traininglync2.vx.net:5068
 Other Peer IP / IF: [Unchanged]
 Call Route Table Call Route No.: None
 [Unchanged]

BSP Link Requirements

Min Quality: 0 %

Ping Limit: 0 ms

Field	Description
Enabled	Click on the checkbox to enable the routing table. Leaving the checkbox unchecked disables the route.
Using Regular Expressions	Select this check box to use regular expressions for number matching in addition to the proprietary system used by VX.
Description	Enter an optional text description.
Priority	The priority assigned to this table. Priorities may be assigned from 0 - 255 (0 having the highest priority; 255 having the lowest priority). In the table, all matching entries are selected based on the top down search; the entries are then ordered based on the Priority setting.
Expression Helper	Launches a dialog to demonstrate and help build regular expressions.
Advanced SIP Matching	Normally, the @address part of SIP URIs is not included for the purpose of matching. Checking this box means, for this route, the entire URI will be tested, not just the name.
MLPP Namespace	If not Any , specifies this rule matches only a particular namespace.
MLPP Precedence	If not Any , specifies this rules matches the specified precedence or higher.
Input To Match	User provided pattern or regular expression to match.

Match Rule	The pattern or regular expression to match against called number.
Match Using AD Field	Specifies which AD field to use to match.
Match Exact Length	Used mostly when wildcards are in use.
Numbering Type	The input numbering type. Select appropriate entry from dropdown dialog box.
Numbering Plan	The input numbering plan Select appropriate entry from dropdown dialog box. 0-Unknown 1-ISDN 2-Data 3-Telex 4-National 5-Private 6-Telephony
Carrier Select Info	Select a carrier type from the dropdown dialog box.
Carrier Code	Available when the carrier type is selected.
Input Number	The pattern to match the called number against When the called number is matched to the rule it will follow the output rule.
Translate to Output	
MLPP Precedence	If not Untranslated , the precedence of the call is changed to match this.
Translate Rule	Specifies the pattern or regular expression that the called number will be translated to.
Translate Using AD Field	Select an AD field from the dropdown list.
Numbering Type	The output numbering type The numbering type that the phone number will be sent with in the setup message. Select appropriate entry from dropdown dialog box.
Numbering Plan	The output numbering plan The type of trunk that number is going to. The OutNumPlan ensures that the format will be correct. Select appropriate entry from dropdown dialog box. 0-Unknown 1-ISDN 2-Data 3-Telex 4-National 5-Private 6-Telephony
Carrier Select Info	Specifies the SS7 carrier select mode to be used
Carrier Code	When the carrier select info is set to UserInput, this value can be populated e.g. 1010220
Circuit Code	Specifies the SS7 circuit code to be used
On Match Parameters	
Signal Diffserv	Set the DiffServ packet priority to this value.

Media Class	<p>Select a media class from the drop-down list.</p> <p>The media class selection determines what codecs are allowed for this call. It also determines the preference order for codec selection. Note that codec selection applies to all calls, even if no codec would ultimately be involved (such as a TDM-TDM call). The media class is selected on the call route, the inbound trunkgroup, and outbound trunkgroup for this call. The allowed codecs are the intersection between all three of these.</p> <ul style="list-style-type: none"> • Call route has the highest dominance for codec preference order • Outbound trunkgroup has the second highest • Inbound trunkgroup has the least <div style="border: 1px solid black; background-color: #ffffcc; padding: 10px; margin-top: 10px;"> <p> Exception for Redundant RTP Payload</p> <p>When the RTP Payload Redundancy (RED) option is enabled in a Media Class applied to a Trunk Group, the VX system always add the RED payload (97) in SDP of INVITE.</p> </div>
Transfer Cap	<p>Select a transfer capability from the dropdown list.</p>
OutCircuit Code	<p>Select an outcircuit code value.</p>
Media Diffserv	<p>Set the DiffServ packet priority to this value.</p>
CallingTransTable	<p>The calling number translation table to be used for this call.,</p>
Msg Xlat Table	<p>The message translation table to be applied</p> <p>Message translation provides a mechanics for translating incoming messages into outbound messages.</p>
Jitter Optimization	<p>The jitter optimization field lets you set the jitter buffer behavior</p> <p>The range is 0-12. The higher the setting the more aggressively the jitter buffer will shrink to accommodate packet delivery latency. Insufficient jitter buffer size causes gaps in the voice audio reception. For best IVR performance set to 0.</p>
Jitter Min Delay	<p>The minimum size that the jitter buffer can shrink to</p> <p>The smaller the jitter buffer, the more likely that latency will cause audio reception gaps.</p>
Mirror Media Diffserv from Inbound Media	<p>Applicable for outbound calls ONLY.</p> <p>Check the box to enable the DSCP to be mirrored. If disabled, the DSCP will not be mirrored.</p>
Destination	<p>Remote destination for calls using this route</p> <p>For BSP, this value contains the remote NodeID. For SIP, this value contains the SIP proxy IP address or domain name (or can be left blank for no proxy). Call Route Table is used by AD to set up call routes in Microsoft OCS environments.</p> <p>Note: This value is not used by TDM. (TDM channels inherently have only one hardwired destination.)</p> <p>When Deny is selected, all calls which match the route will be rejected.</p>

SIP Registrar Table	Select this radio button to use the local SIP Registrar table to route this call The outgoing Trunkgroup will be chosen based on which Trunkgroup the SIP Phone is registered to. Note: Use the show registrar-table command in the CLI to see the list of currently registered SIP Phones. If a trunk group is selected you also need to provide a SIP Proxy. Select N/A for the trunk group if no SIP Proxy is to be provided.
Node ID/SIP Proxy	FQDN or IP Address of the Proxy that should be used for this route
Trunk Group	The ID of the trunk group for outgoing calls on this route
VTP Interface	BSP only--Identifies the IP interface to use for VTP traffic
BSP/SIP Link Requirements	Used in conjunction with Peers, Link Requirements define the network conditions which must be met for this call route to be an available destination. Works for both BSP and SIP peers
Min Quality	This setting only applies to destinations that are on another node The setting indicates to the system the expected quality of the link. By comparing this value to the actual packets passing through the system can determine if the link can be selected. This facility is used in conjunction with the Ping Limit in determining the quality of a link.
Ping Limit	Minimum Ping latency set in milliseconds.
MLPP Requirements	
MLPP Namespace	Used to map calls to and from VX priority numbering. Valid values are: <ul style="list-style-type: none"> • Disabled 0 • Transparent 1 • Unset 2 • DSN 3 • DRSN 4 • Q735 5
MLPP Precedence	Lists the priority this call has relative to all other calls. Valid values are 0-31.
MLPP New Outbound Precedence	Select untranslated to pass the current MLPP priority through If a different MLPP precedence is required, selecting it from this list will change the outgoing call precedence level to the selected value