

# How to order private VLAN member guide





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Version 0.1	Initial draft
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Version 0.4	Updated with more information for members delivered via connexions partners February 2020
Version 1.0	



## Introduction

This document outlines the steps that a member must take to order a private VLAN (pVLAN) service from LINX. pVLAN is a service for members only. Members should be set up for peering in the first instance. In order to set up a pVLAN service a member must have a port that is capable of supporting pVLAN service. The member who is ordering the pVLAN will pay any fees associated with the pVLAN. They are referred to throughout this document as the originating member. A successful point to point pVLAN service requires the cooperation of two LINX members. The member to whom the originating member wishes to connect is referred to as member B throughout this document. Ports that are capable of supporting pVLAN are either multiservice ports or reseller ports.

Member ports are then configured with the individual pVLAN services.

Members can order a new port exclusively for pVLAN services or use an existing port. If members are using an existing port, then the pVLAN service will be configured and the remainder of the bandwidth is available for peering. (For instance, a 10GE port configured with a pVLAN service for 1GE will have 9GE available for peering)

Originating members who are connected to LINX via a Connexions partner will have to contact the connections partner, in order for them to place the order with LINX.

There are 4 steps to configuring a pVLAN service. Each step is slightly different depending upon how the member port is delivered to LINX and this guide outlines the different actions at each stage according to how the member port is delivered to LINX

In simple terms the stages are as follows

1. Originating member agrees details with member B
2. Originating member places order for pVLAN
3. Member B confirms to LINX they wish to go ahead
4. Service is live

## How to use LINX pVLAN service

### Step 1 – agree details with member B

The Originating member must have confirmed the information below with member B:-

1. They can connect with a pVLAN service.
2. The size of the pVLAN service
3. The ASN to be used (if members have multiple ASNs)
4. The e-mail and telephone number of a member of staff who act as the contact point for LINX for each member.

### Step 2 – Originating member directly connected to LINX places order

Log on to the member portal

>Order Services > Private vLAN Services

Order Services ▾ Stats ▾ Tech Info ▾ Events ▾

**Member Services**

<b>Peering</b>	<b>Reseller Cabling</b>
<a href="#">New Peering Service</a>	<a href="#">Reseller Cabling</a>
<a href="#">Modify Peering Service</a>	<a href="#">Cancel Cabling</a>
<b>Private Interconnect</b>	<b>Membership</b>
<a href="#">New PI Service</a>	<a href="#">Membership Change</a>
<a href="#">Cancel PI Service</a>	<b>Private vLAN</b>
<b>IXP Reseller</b>	<a href="#">Private vLAN Services</a>
<a href="#">IXP Reseller Service</a>	

**Specify Service Details:** The service name allows members to choose a name for the pVLAN service, so it can easily be identified in their records. Specify the Bandwidth required for pVLAN.

**Specify your Port Details:**

“Which port will be used “gives options to change an existing port to a multiservice port, order a new multiservice port or use an existing multiservice port. If a member selects order a new port a pop up will appear to ask for all the details required when ordering a new port.

If the origination member selects the option to convert an existing port to a multiservice port, then the process assumes that the member has already identified member B. The option to convert an existing port to a multiservice port and use it all for peering does not exist. Should members require this option they will have to contact LINX directly and a ticket will be raised to do the process manually.

**Specify Member B details** and submit the form. Once the form is completed click the submit order button.

## Private vLAN Service

Use this form to order new private vLAN services between members.

### Private vLAN Service Details

LAN *	<input type="text" value="LINX LON1"/>	
Service Type *	<input type="text" value="Select a Service Type"/>	
Service Name *	<input type="text" value="Service Name"/>	Choose your own name/identifier for this Private VLAN.
Bandwidth *	<input type="text" value="Bandwidth"/>	<input type="text" value="Select Type"/>

### Your details

Organisation Name *	<input type="text" value="LINX"/>	ASN *	<input type="text" value="Select ASN"/>
Full Name *	<input type="text" value="Garima Raman"/>	Email Address *	<input type="text" value="garima@linx.net"/>
Telephone Number	<input type="text" value="Telephone Number"/>		
Which port will be used *	<input type="text" value="Select a service type"/>		

### Member B Details

Organisation Name *	<input type="text" value="Select an organisation"/>	ASN *	<input type="text" value="Select ASN"/>
Full Name *	<input type="text" value="Full Name"/>	Email Address *	<input type="text" value="Email Address"/>
Telephone Number	<input type="text" value="Telephone Number"/>		

## Step 2 – Originating member connected via connexions partners and the connexions partner places the order

Originating members who are connected via a connexions partner will have to place their order through the partner. The originating member should check with their connexions partner that they are willing and able to provide this service. The connexions partner will receive the invoice from LINX, the commercial relationship is between the connexions partner and the originating member. Any change to the connexions port bandwidth will be charged to the connexions partner under the usual connexions partner agreements. The connexions partner will be charged for the pVLAN service. They may choose to alter their commercial arrangement with member B.

The connexions partner will log onto the member portal

>Order Services > ConneXions> New Member Service

Order Services ▾	Stats ▾	Tech Info ▾	Events ▾
<b>Member Services</b>	<b>ConneXions</b>		
<b>Peering</b>	<b>Reseller Cabling</b>	<a href="#">New ConneXions Port</a>	
<a href="#">New Peering Service</a>	<a href="#">Reseller Cabling</a>	<a href="#">New Member Service</a>	
<a href="#">Modify Peering Service</a>	<a href="#">Cancel Cabling</a>	<a href="#">Change Member Service</a>	
<b>Private Interconnect</b>	<b>Membership</b>	<a href="#">Change ConneXions Port</a>	
<a href="#">New PI Service</a>	<a href="#">Membership Change</a>		

As this is available only for existing members select 'Existing member' Option on the form

Specify the LINX member on whose behalf ConneXions partner is raising the pVLAN service request.

**New Member Service**

New Member  Existing Member

Use this form to order new member services.

For any enquiries, or if your contact details are incorrect, please email [Member Relations](#).

**Your Details**

<b>Your Organisation *</b>	LINX <small>(LINX Membership Name &amp; ASN)</small>	<b>ASN *</b>	Select an ASN
<b>Your Full Name *</b>	Garima Raman	<b>Your Email Address *</b>	garima@linx.net
<b>Your Telephone Number</b>	Telephone Number	<b>Additional CC</b>	Additional CC <small>(Additional emails to be CC'd on this order form)</small>
<b>Internal Reference</b>	Internal Reference <small>(E.g: your Purchase Order, Ticket Reference, ...etc)</small>		

**LINX Member Details**

The fields below are regarding the Member you wish to connect.

<b>Organisation Name *</b>	Select an organisation	<b>ASN *</b>	Select an organisation first
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**Primary Contact Details**

<b>Select Contact *</b>	Select an organisation first	<b>Job Title</b>	Job Title
<b>Notes</b>	Notes		

Add a new Service and then specify the **pVLAN Service details** which includes the user-friendly Service name, Bandwidth of pVLAN, the Reseller port that will be used for this and the VLAN ID.

Specify **Member B details** and submit the form. Once the form is completed click the submit order button. The details are sent to LINX for provisioning. LINX Provisioning team will contact Member B and get the confirmation.

Service Type

Use this to create a private VLAN service on your reseller port

**Private VLAN Service Details**

LAN *	<input type="text" value="Select LAN"/>	Service Type *	<input type="text" value="Select a Service Type"/>
Service Name *	<input type="text" value="Service Name"/>	Choose your own name/identifier for this Private VLAN	
Bandwidth *	<input type="text" value="Bandwidth"/> <input type="text" value="Select Type"/>	ConneXions Port *	<input type="text" value="Select a LAN first"/>
VLAN ID *	<input type="text" value="VLAN ID"/>	Notes	<input type="text" value="Notes"/>

**Member B Details**

Organisation Name *	<input type="text" value="Select an organisation"/>	ASN *	<input type="text" value="Select ASN"/>
Full Name *	<input type="text" value="Full Name"/>	Email Address *	<input type="text" value="Email Address"/>
Telephone Number	<input type="text" value="Telephone Number"/>		

### Step 3 – Member B directly connected to LINX confirms that they wish to proceed

Member B is contacted by LINX provisioning team and agrees that they are happy to be connected to the Originating member. (From step 1 it is assumed that member B is aware that this will happen, and they are prepared for the connection). Member B confirms which port will be used.

- They can convert an existing port to a multiservice port
- if Member B wants or requires a new port for this service, Provisioning directs him to the corresponding order form

Member B will be invoiced for their port fees but not for the PVLAN service that is carried across the ports

### Step 3 – ConneXions partner confirms that they wish to proceed on behalf of Member B

Member B is contacted by LINX provisioning team and agrees that they are happy to be connected to the Originating member. Member B contacts the conneXions partner and orders the corresponding service from his conneXions partner. As part of the communication, LINX Provisioning provides Member B with the reference of the pVLAN service so that he can communicate it to his conneXions partner.

conneXions partner confirms on behalf of Member B and specifies which port and VLAN ID will be used along with the service number shared by LINX provisioning team using the order for.

>Order Services > ConneXions> New Member Service

<b>Service Type</b>	<input type="text" value="Confirm Private VLAN"/>	
	Use this to confirm participation in requested private VLAN service	
<b>Service Number *</b>	<input type="text" value="Service Number"/>	Service number shared by LINX provisioning team
<b>LAN *</b>	<input type="text" value="Select LAN"/>	<b>ConneXions Port *</b> <input type="text" value="Select a LAN first"/>
<b>VLAN ID *</b>	<input type="text" value="VLAN ID"/>	
<b>Notes</b>	<input type="text" value="Notes"/>	

Any change to the conneXions port bandwidth will be charged to the conneXions partner under the usual conneXions partner agreements. The conneXions partner will not be charged for the pVLAN service. They may choose to alter their commercial arrangement with member B

### Step 4 – Service is live

Once both parties are ready the service configuration is completed.

Members will be able to see the service as part of the usual statistics, via the portal. Multiservice ports are identified in the stats system with a small starburst marker. Each

pVLAN service that is associated with the Multiservice port will have a separate identifier.

#### My Ports

Ports Trunks

Show: 10 Search:

Switch ▲	Port ▲	LAN	Size	Service Type	Current In	Current Out	Average In	Average Out	IT
core1-tcw.man1	8/0/31	man1	100 Gbps	Regular Port	13.34 Gbps	591.34 Mbps	17.79 Gbps	666.63 Mbps	<input type="checkbox"/>
core3-tch	2/2/1	lon1	100 Gbps	Regular Port	42.67 Gbps	3.26 Gbps	28.64 Gbps	2.71 Gbps	<input type="checkbox"/>
core3-tch	2/3/1	lon1	100 Gbps	Regular Port	40.92 Gbps	3.25 Gbps	27.97 Gbps	2.71 Gbps	<input type="checkbox"/>
core3-tch	2/3/2	lon1	100 Gbps	Regular Port	42.24 Gbps	3.18 Gbps	28.04 Gbps	2.71 Gbps	<input type="checkbox"/>
edge1-dev	1/0/2	jsp1	10 Gbps	Multiservice Port					<input type="checkbox"/>
edge1-dev	1/0/2 VLAN: 333	jsp1	300 Mbps	Private VLAN (P2P-noraina-akamai-99039)					<input type="checkbox"/>
edge1-dev	1/0/2 VLAN: 444	jsp1	100 Mbps	Private VLAN (IXPR-akamai-namex-99434)					<input type="checkbox"/>

Connexions partner will see the stats as any other VLAN on their connexions partner port.