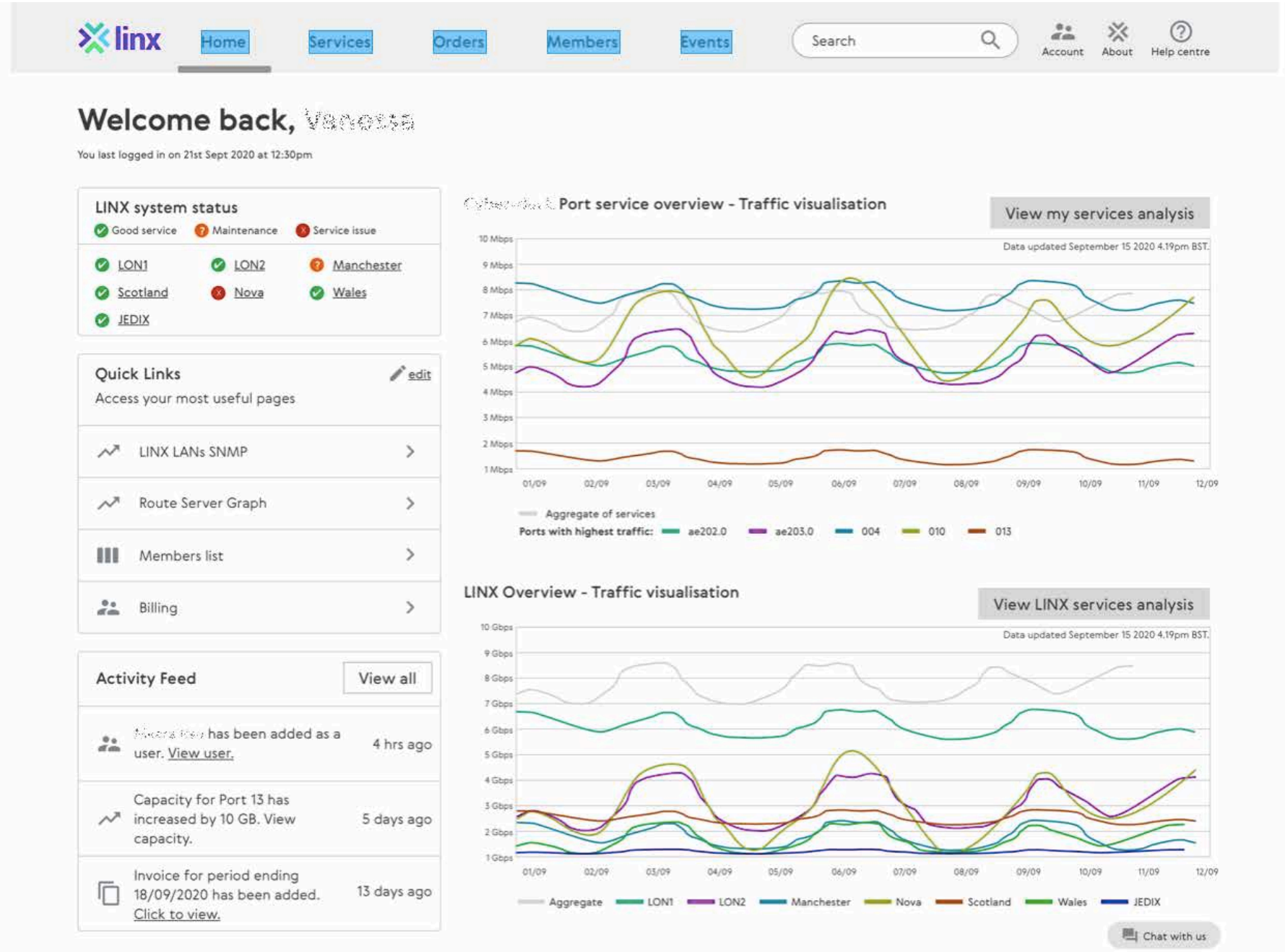
# Product Management Update

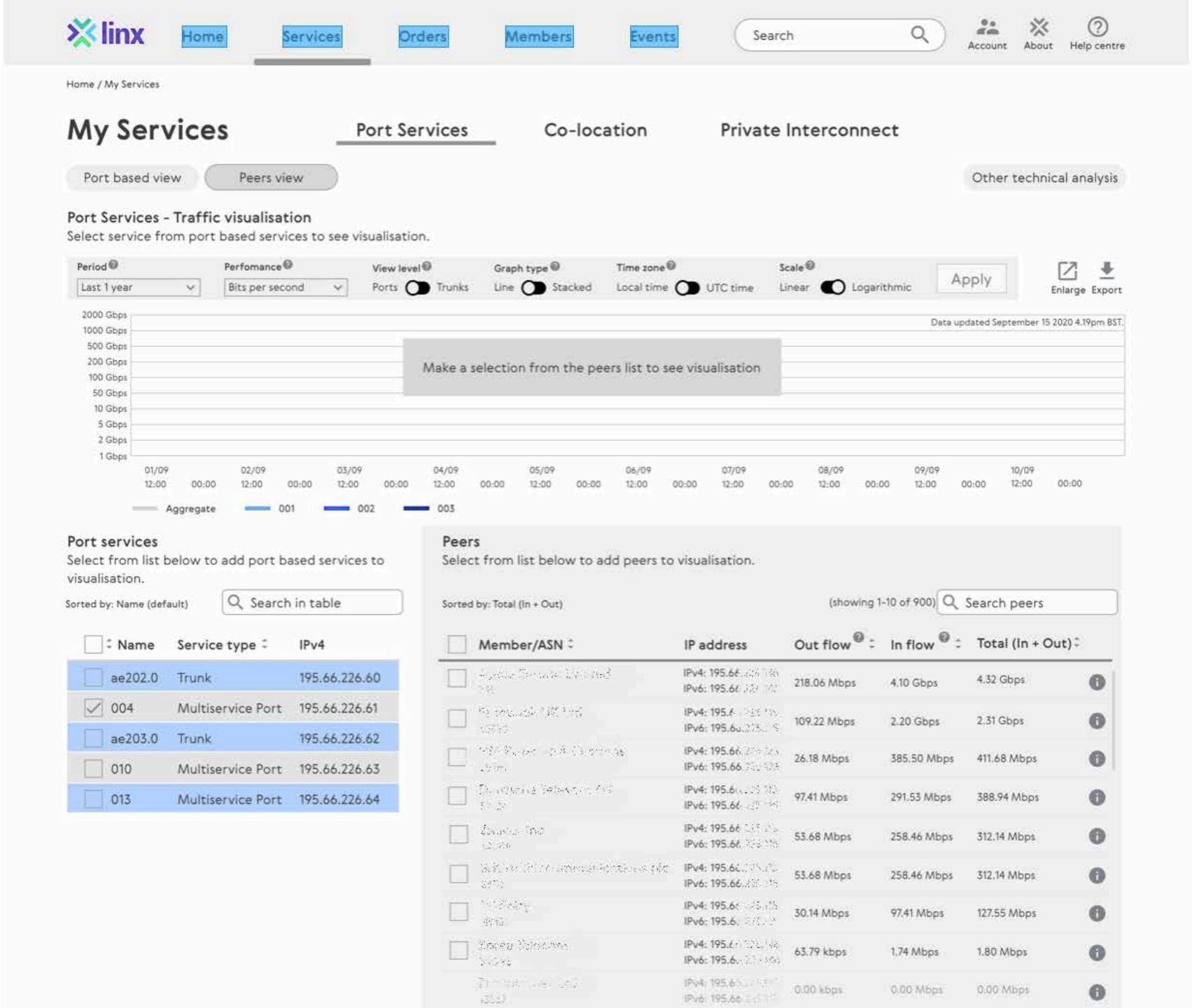
**Mike Hellers – Product Development Manager**

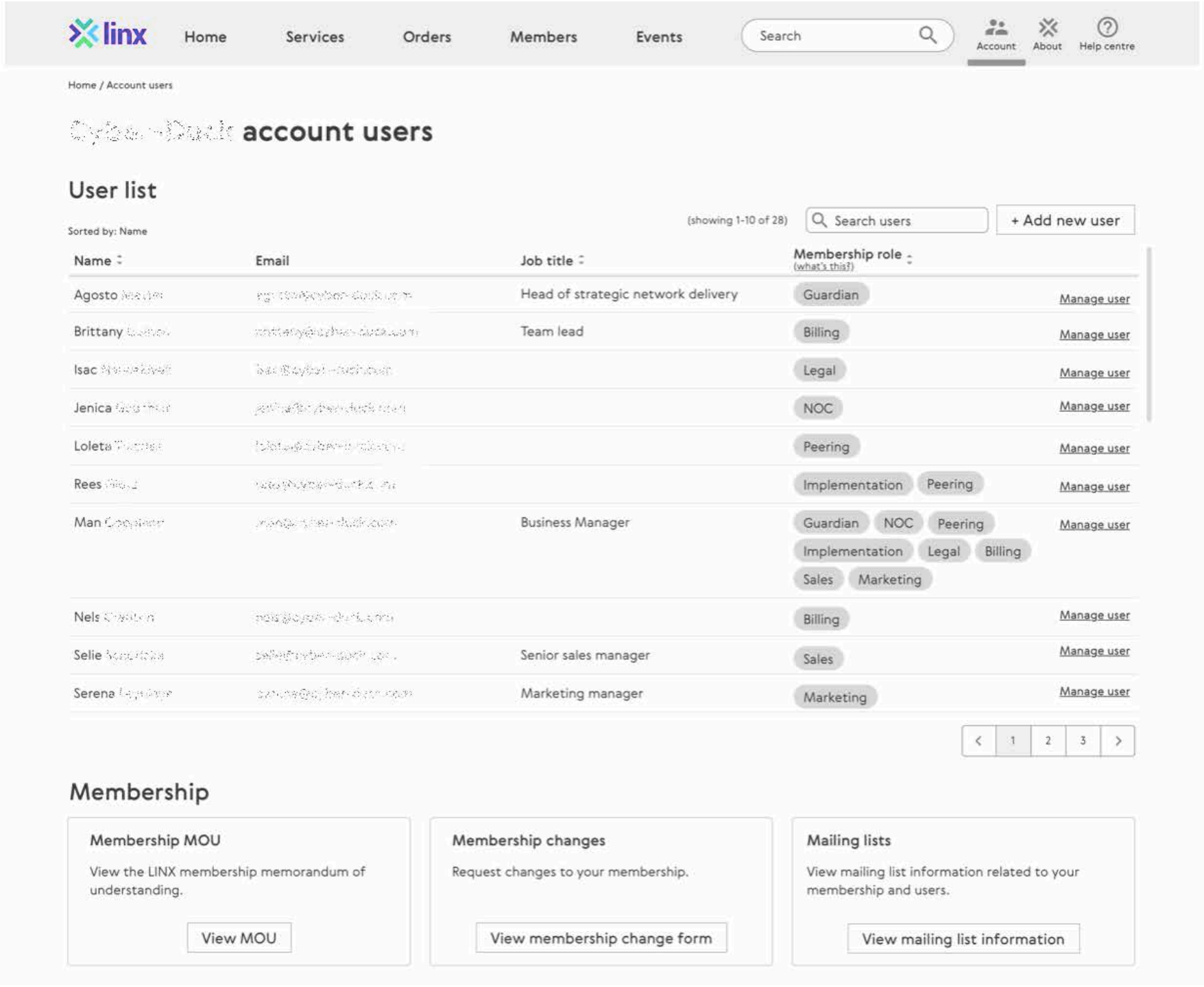
# LINX Portal update

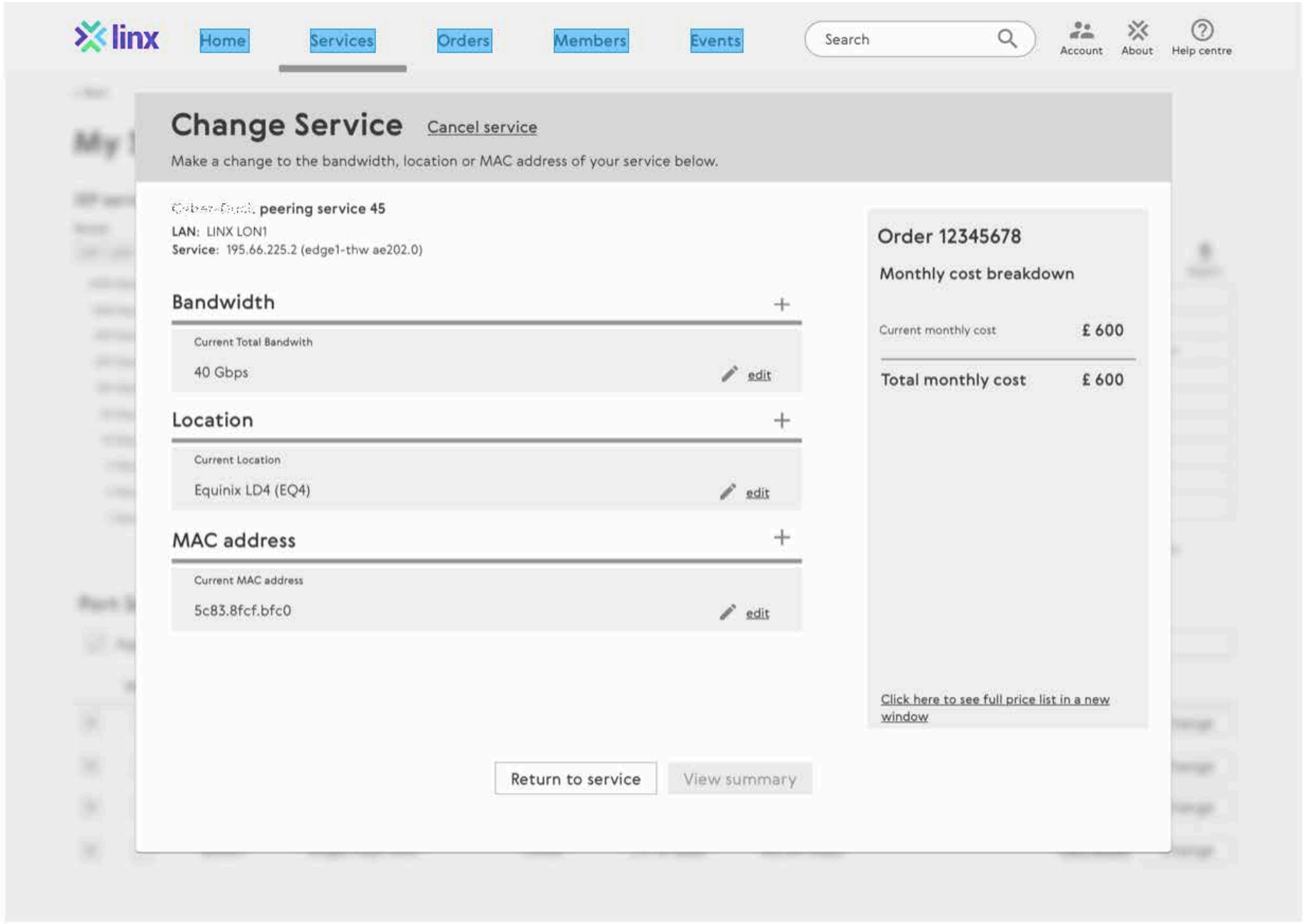
# LINX Portal Update

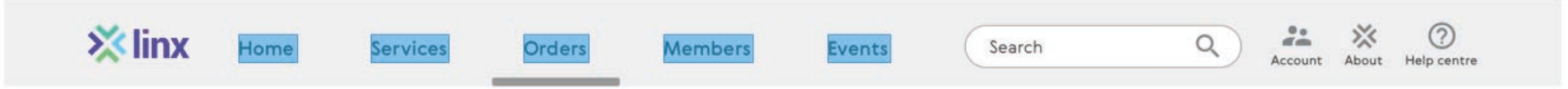
- 2FA authentication for portal logins
- New UI/UX prototype completed together with an external agency
- Implementation phase started in January
- Two focus areas:
  - New UI/UX, prep work to add additional features/functionality
  - Performance improvements, including stats area (changes to backend)
- Target timeline:
  - Internal beta of base functionality using new framework end of Q1
  - External beta/launch with base functionality end of Q2/early Q3


linx
Home
Services
Orders
Members
Events
Search
Account
About
Help centre
Welcome back, [redacted]
You last logged in on 21st Sept 2020 at 12:30pm
LINX system status
Good service
Maintenance
Service issue
LON1
LON2
Manchester
Scotland
Nova
Wales
JEDIX
Quick Links
edit
Access your most useful pages
LINX LANs SNMP
Route Server Graph
Members list
Billing
Activity Feed
View all
[redacted] has been added as a user. View user.
4 hrs ago
Capacity for Port 13 has increased by 10 GB. View capacity.
5 days ago
Invoice for period ending 18/09/2020 has been added. Click to view.
13 days ago
[redacted] Port service overview - Traffic visualisation
View my services analysis
Data updated September 15 2020 4.19pm BST.
10 Mbps
9 Mbps
8 Mbps
7 Mbps
6 Mbps
5 Mbps
4 Mbps
3 Mbps
2 Mbps
1 Mbps
01/09
02/09
03/09
04/09
05/09
06/09
07/09
08/09
09/09
10/09
11/09
12/09
Aggregate of services
Ports with highest traffic:
ae202.0
ae203.0
004
010
013
LINX Overview - Traffic visualisation
View LINX services analysis
Data updated September 15 2020 4.19pm BST.
10 Gbps
9 Gbps
8 Gbps
7 Gbps
6 Gbps
5 Gbps
4 Gbps
3 Gbps
2 Gbps
1 Gbps
01/09
02/09
03/09
04/09
05/09
06/09
07/09
08/09
09/09
10/09
11/09
12/09
Aggregate
LON1
LON2
Manchester
Nova
Scotland
Wales
JEDIX
Chat with us


linx
Home
Services
Orders
Members
Events
Search
Account
About
Help centre
Home / My Services
My Services
Port Services
Co-location
Private Interconnect
Port based view
Peers view
Other technical analysis
Port Services - Traffic visualisation
Select service from port based services to see visualisation.
Period
Last 1 year
Perfomance
Bits per second
View level
Ports
Trunks
Graph type
Line
Stacked
Time zone
Local time
UTC time
Scale
Linear
Logarithmic
Apply
Enlarge
Export
2000 Gbps
1000 Gbps
500 Gbps
200 Gbps
100 Gbps
50 Gbps
10 Gbps
5 Gbps
2 Gbps
1 Gbps
Data updated September 15 2020 4.19pm BST.
Make a selection from the peers list to see visualisation
01/09 12:00
02/09 12:00
03/09 12:00
04/09 12:00
05/09 12:00
06/09 12:00
07/09 12:00
08/09 12:00
09/09 12:00
10/09 12:00
00:00
Aggregate
001
002
003
Port services
Select from list below to add port based services to visualisation.
Sorted by: Name (default)
Search in table
Name
Service type
IPv4
ae202.0 Trunk 195.66.226.60
004 Multiservice Port 195.66.226.61
ae203.0 Trunk 195.66.226.62
010 Multiservice Port 195.66.226.63
013 Multiservice Port 195.66.226.64
Peers
Select from list below to add peers to visualisation.
Sorted by: Total (In + Out)
(showing 1-10 of 900)
Search peers
Member/ASN
IP address
Out flow
In flow
Total (In + Out)
218.06 Mbps 4.10 Gbps 4.32 Gbps
109.22 Mbps 2.20 Gbps 2.31 Gbps
26.18 Mbps 385.50 Mbps 411.68 Mbps
97.41 Mbps 291.53 Mbps 388.94 Mbps
53.68 Mbps 258.46 Mbps 312.14 Mbps
53.68 Mbps 258.46 Mbps 312.14 Mbps
30.14 Mbps 97.41 Mbps 127.55 Mbps
63.79 kbps 1.74 Mbps 1.80 Mbps
0.00 kbps 0.00 Mbps 0.00 Mbps


linx
Home
Services
Orders
Members
Events
Search
Account
About
Help centre
Home / Account users
account users
User list
(showing 1-10 of 28)
Search users
+ Add new user
Sorted by: Name
Name
Email
Job title
Membership role
(what's this?)
Agosto
Head of strategic network delivery
Guardian
Manage user
Brittany
Team lead
Billing
Manage user
Isac
Legal
Manage user
Jenica
NOC
Manage user
Loleta
Peering
Manage user
Rees
Implementation
Peering
Manage user
Man
Business Manager
Guardian
NOC
Peering
Implementation
Legal
Billing
Sales
Marketing
Manage user
Nels
Billing
Manage user
Selie
Senior sales manager
Sales
Manage user
Serena
Marketing manager
Marketing
Manage user
1
2
3
Membership
Membership MOU
View the LINX membership memorandum of understanding.
View MOU
Membership changes
Request changes to your membership.
View membership change form
Mailing lists
View mailing list information related to your membership and users.
View mailing list information


linx
Home
Services
Orders
Members
Events
Search
Account
About
Help centre
Change Service
Cancel service
Make a change to the bandwidth, location or MAC address of your service below.
peering service 45
LAN: LINX LON1
Service: 195.66.225.2 (edge1-thw ae202.0)
Bandwidth
Current Total Bandwith
40 Gbps
edit
Location
Current Location
Equinix LD4 (EQ4)
edit
MAC address
Current MAC address
5c83.8fcf.bfc0
edit
Order 12345678
Monthly cost breakdown
Current monthly cost
£ 600
Total monthly cost
£ 600
Click here to see full price list in a new window
Return to service
View summary




Home / Orders

# Orders

Select from the options below to request a new service or make a change to an existing service. Alternatively, contact LINX to discuss more options.

## New service

Add a new service to your membership. Choose from peering services, private interconnect, and private vLAN services.

Request new service

## Change or cancel service

Make a change to one of your existing services or cancel a service.

Change or cancel service

## All orders

Summary of all orders placed

Sorted by: Order date

Last updated September 15 2020 4.19pm BST.

| No. | Order date | Type | Description | Cost | Status | |
|---|---|---|---|---|---|---|
| 12345 | 16/09/20 | New | Port - 4 x 10 gbps LON2 edge5-thw | £ 2050 | In progress | Order & tracking details |
| 12344 | 03/08/20 | Upgrade | Port - Reduce edge1-thw by 10 gbps | £ 550 | On hold | Order & tracking details |
| 12343 | 18/11/19 | Downgrade | Port - Reduce edge1-thw by 20 gbps | £ 125 | Fulfilled | Order details |
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| 12343 | 18/11/19 | Downgrade | Port - Reduce edge1-thw by 20 gbps | £ 125 | Fulfilled | Order details |

# LINX Interconnection Product Updates

# PVLAN and Closed User Group products

- Private VLAN
  - Point-to-point link between 2 members
  - Can be provisioned on existing ports (converted to dot1q tagged port) or on dedicated ports depending on use case
  - Bandwidth based price for member ordering the service
  - 30 day cancellation notice

- Closed User Group
  - Allows exchange of traffic with two or more other members
  - Bandwidth based pricing
  - 30 day cancellation notice

# PVLAN and Closed User Group products

- Option to remove MAC address limit
- MTU currently limited to 1500 bytes (same as peering LANs)
  - Option to allow larger MTU sizes to increase number of use cases for these products (Q2/21)

- Availability on other Exchanges (Q2/Q3 2021)
  - LON2: testing and validation completed in 2020
  - LINX Manchester move to Edgecore/Ipinfusion and NCA (Config Automation) enables us to bring these products to Manchester
  - LINX NoVA has been brought under NCA control in 2020

# LINX Cloud Connect

- Launch Cloud Providers:
  - Microsoft ExpressRoute, Azure Peering Service
  - Amazon AWS DirectConnect
- Backend systems, Config automation, and portal functionality completed in December 2020
- Continuing to work with both Amazon and Microsoft to bring direct interconnects (onramps) into service to fully enable the product

# Thank you

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