BCNET

ARIN

- The DMV of the Internet

The American Registry for Internet Numbers (ARIN) is the regional Internet registry for Canada, the United States, and many Caribbean and North Atlantic islands. ARIN manages the distribution of Internet number resources, including IPv4 and IPv6 address space and AS numbers.

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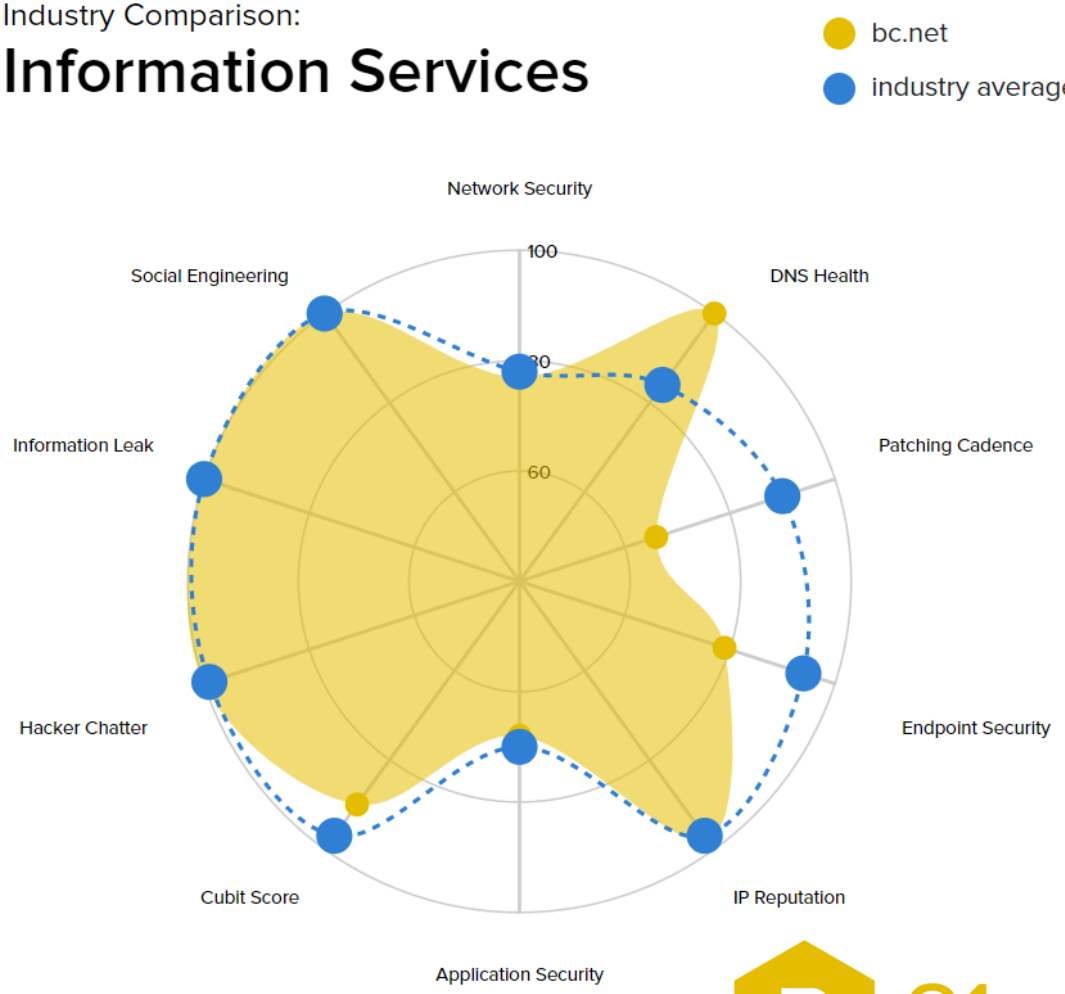
The Opportunity

Industry Comparison:

Information Services



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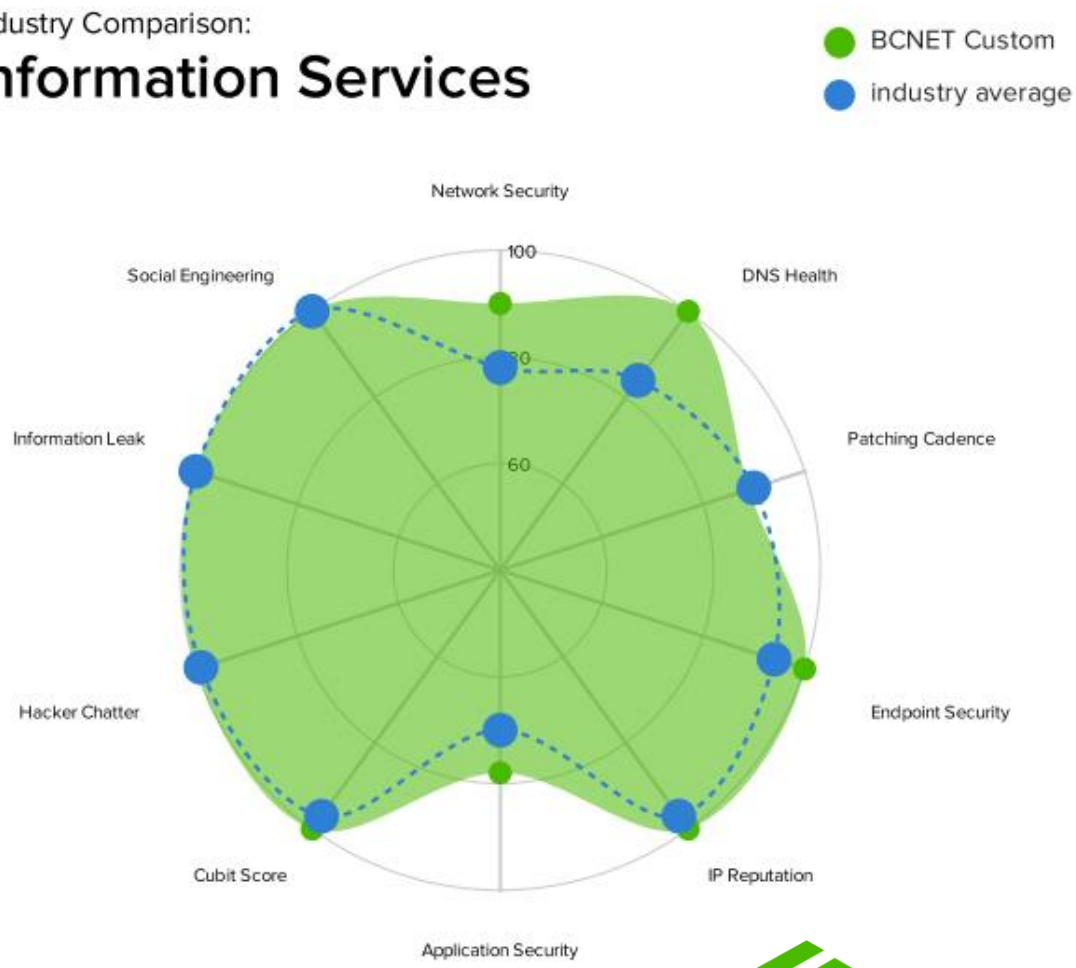
Industry Comparison:

Information Services



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In A Nutshell:

- They have your number

- IPv4
- IPv6
- AS Number (aka “ASN”)

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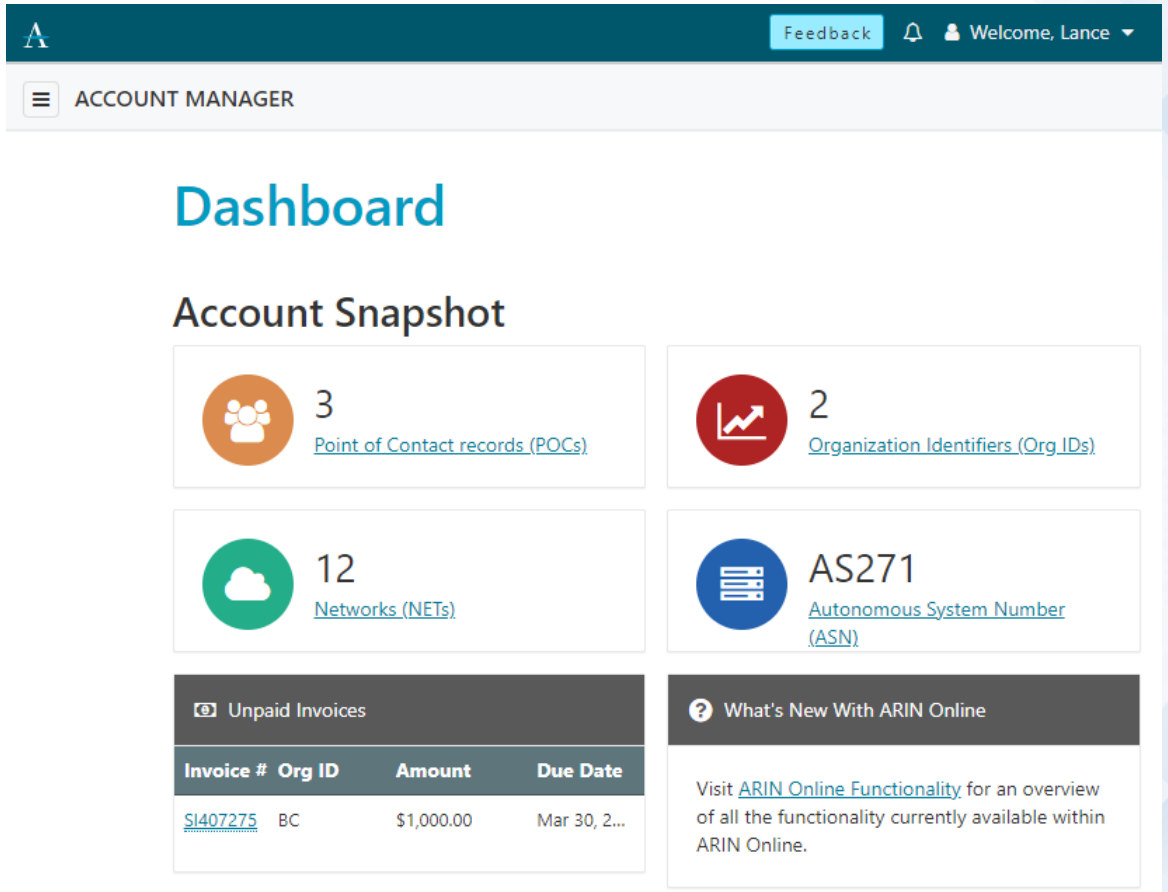
Dashboard



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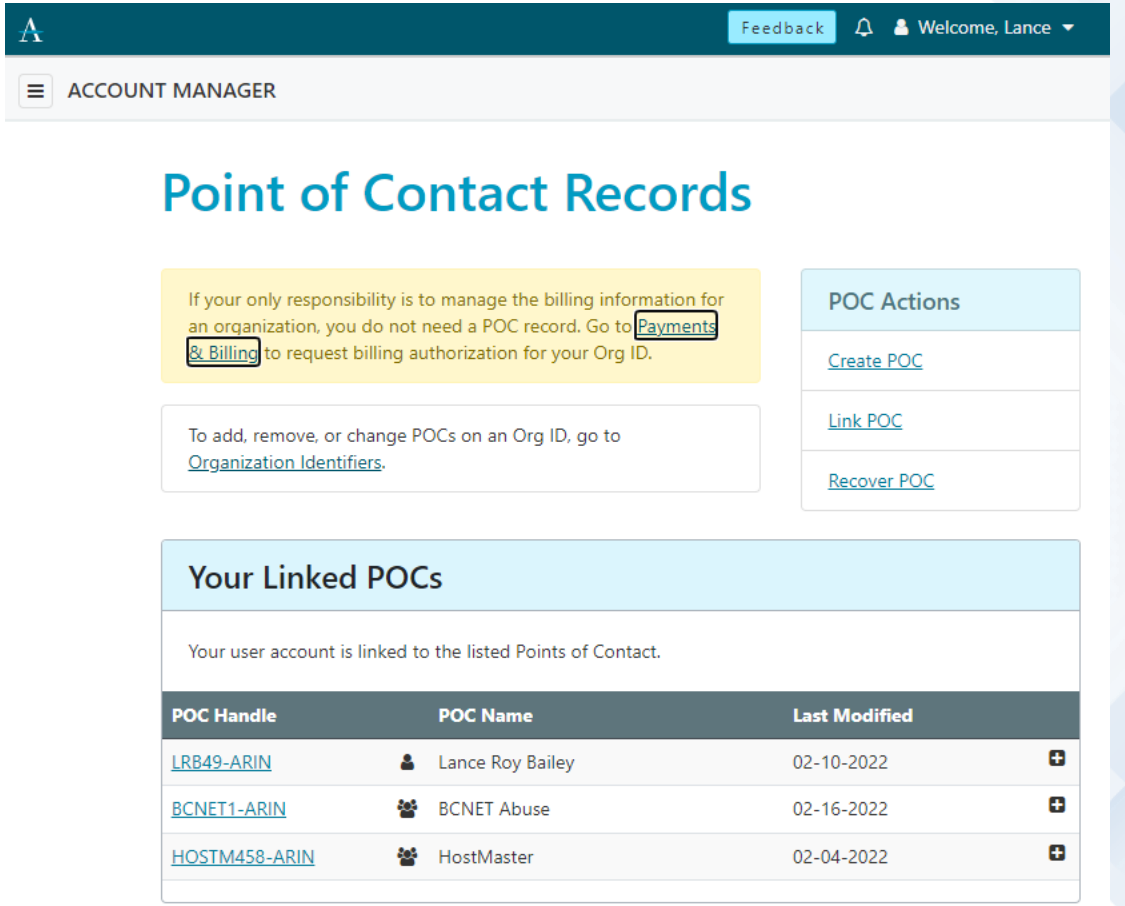
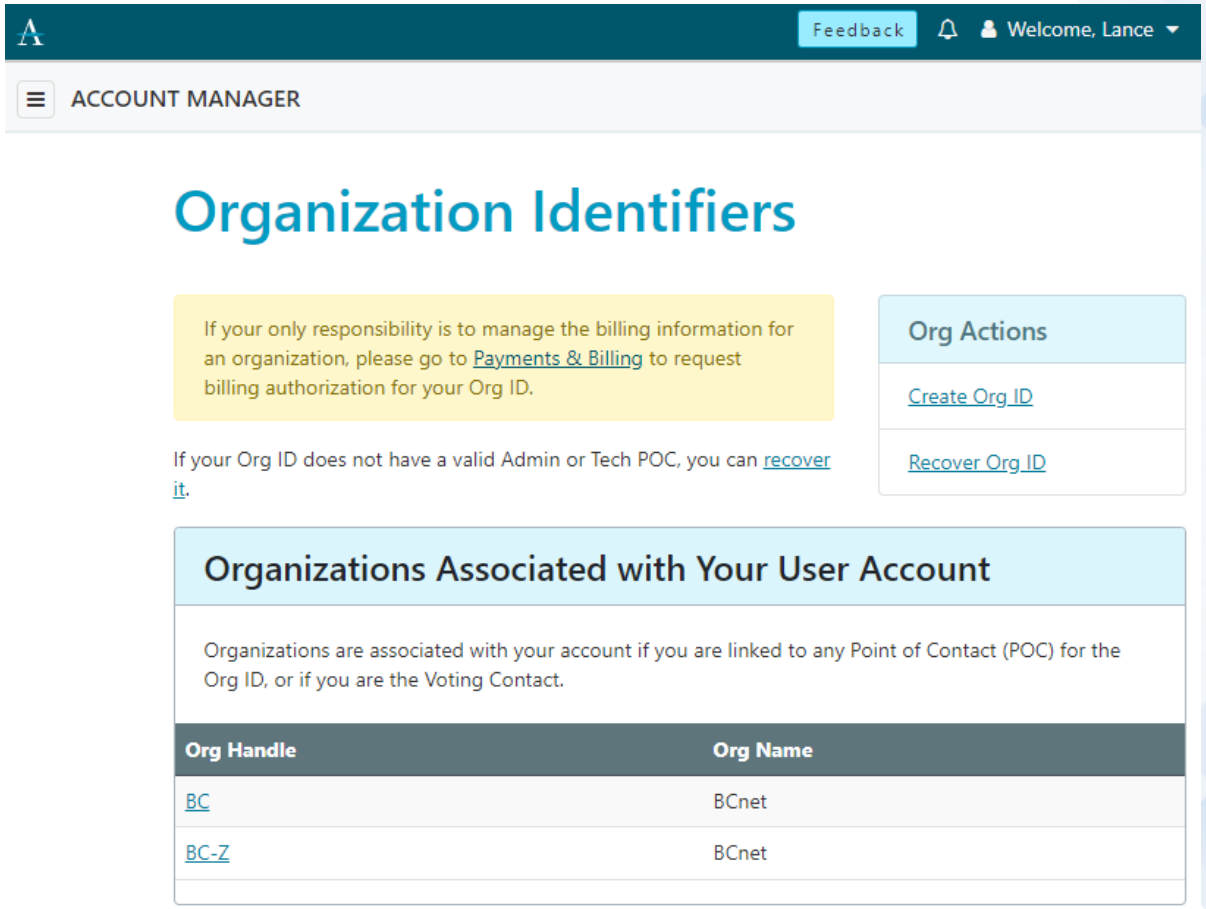
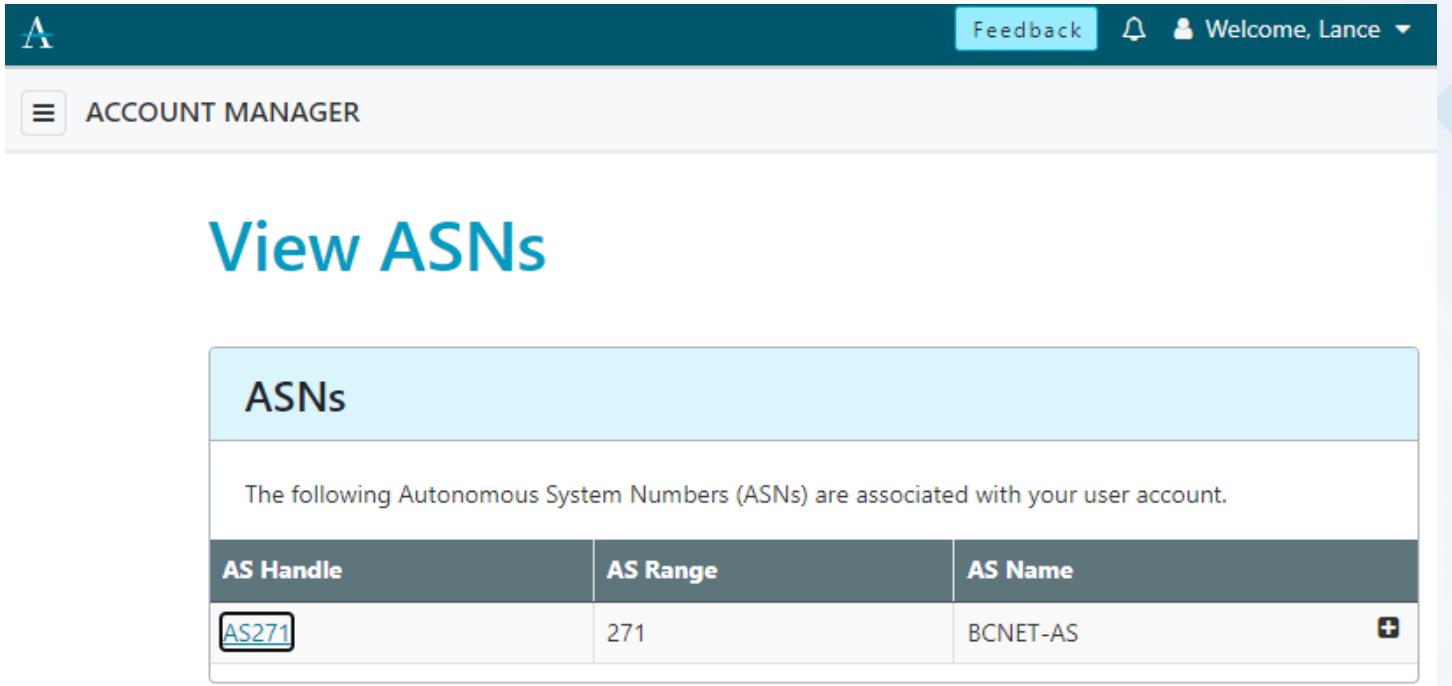
POCs


Feedback
Welcome, Lance
ACCOUNT MANAGER
Point of Contact Records
If your only responsibility is to manage the billing information for an organization, you do not need a POC record. Go to Payments & Billing to request billing authorization for your Org ID.
To add, remove, or change POCs on an Org ID, go to Organization Identifiers.
POC Actions
Create POC
Link POC
Recover POC
Your Linked POCs
Your user account is linked to the listed Points of Contact.
POC Handle
POC Name
Last Modified
LRB49-ARIN
Lance Roy Bailey
02-10-2022
BCNET1-ARIN
BCNET Abuse
02-16-2022
HOSTM458-ARIN
HostMaster
02-04-2022

Organization



AS Numbers



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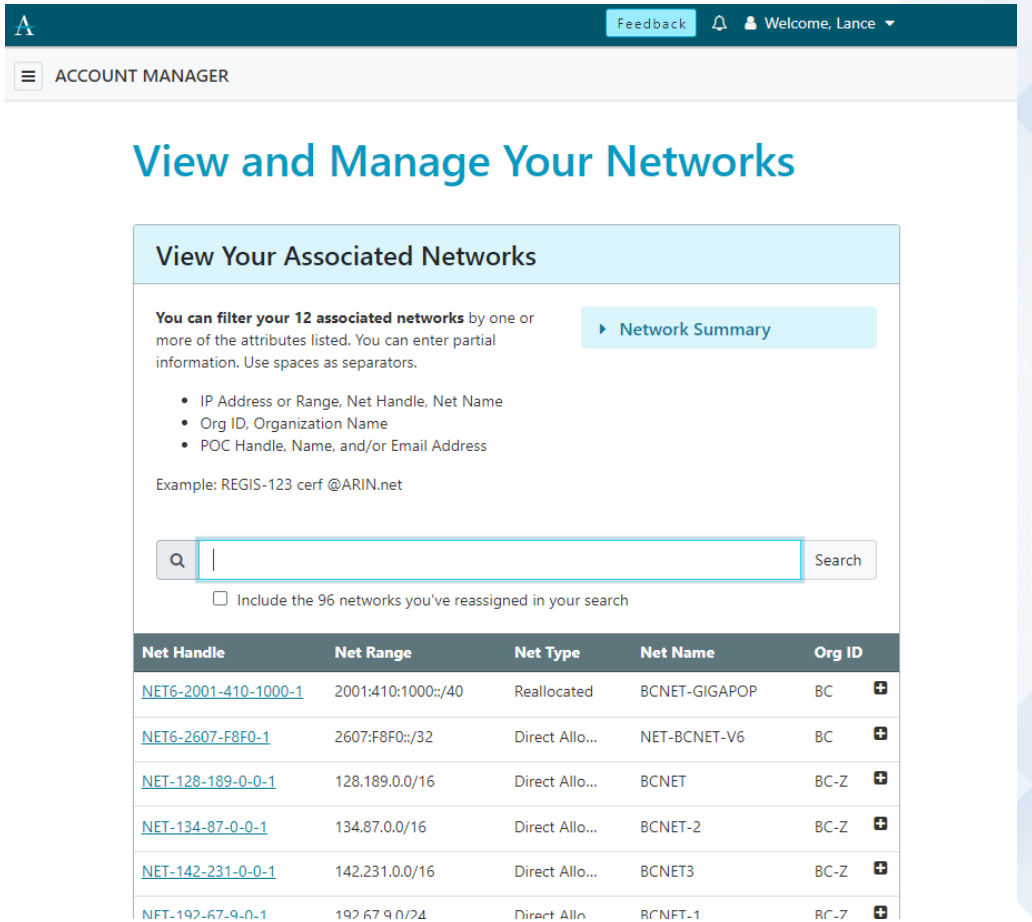
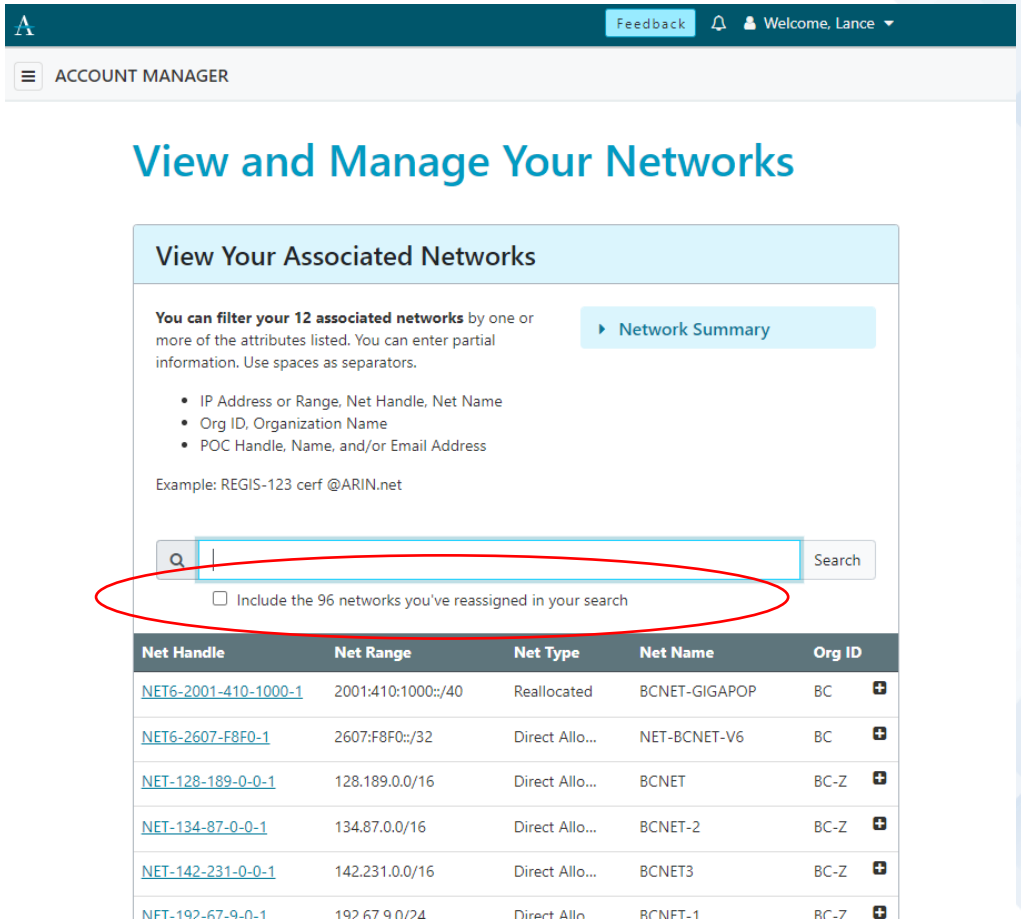
Networks


Feedback
Welcome, Lance
ACCOUNT MANAGER
View and Manage Your Networks
View Your Associated Networks
You can filter your 12 associated networks by one or more of the attributes listed. You can enter partial information. Use spaces as separators.
Network Summary
IP Address or Range, Net Handle, Net Name
Org ID, Organization Name
POC Handle, Name, and/or Email Address
Example: REGIS-123 cerf @ARIN.net
Search
Include the 96 networks you've reassigned in your search
Net Handle
Net Range
Net Type
Net Name
Org ID
NET6-2001-410-1000-1
2001:410:1000::/40
Reallocated
BCNET-GIGAPOP
BC
NET6-2607-F8F0-1
2607:F8F0::/32
Direct Allo...
NET-BCNET-V6
BC
NET-128-189-0-0-1
128.189.0.0/16
Direct Allo...
BCNET
BC-Z
NET-134-87-0-0-1
134.87.0.0/16
Direct Allo...
BCNET-2
BC-Z
NET-142-231-0-0-1
142.231.0.0/16
Direct Allo...
BCNET3
BC-Z
NET-192-67-9-0-1
192.67.9.0/24
Direct Allo
BCNET-1
BC-Z

Networks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BCNET-GIGAPOP
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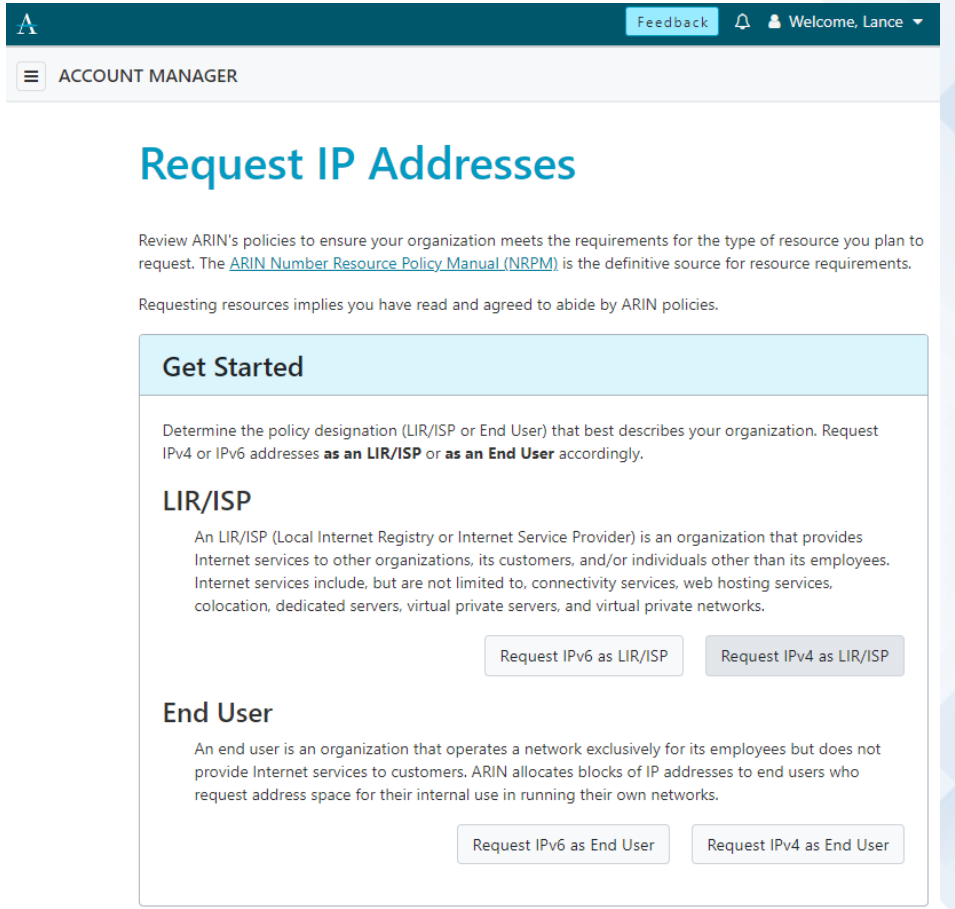
NET6-2607-F8F0-1
2607:F8F0::/32
Direct Allo...
NET-BCNET-V6
BC
NET-128-189-0-0-1
128.189.0.0/16
Direct Allo...
BCNET
BC-Z
NET-134-87-0-0-1
134.87.0.0/16
Direct Allo...
BCNET-2
BC-Z
NET-142-231-0-0-1
142.231.0.0/16
Direct Allo...
BCNET3
BC-Z

All IP Addresses are allocated from IANA via ARIN



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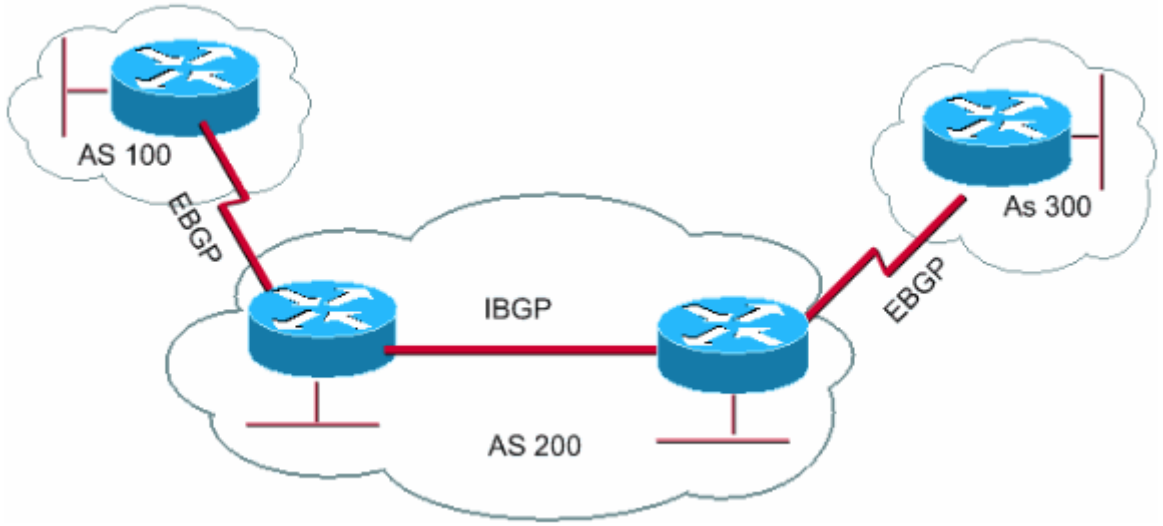
Routing of IP Addresses is done via ASN

- Border Gateway Protocol uses ASN when determining routed peerings



BCNET

AS number 271

- BCNET owns ASN 271

Remember:

- IP ranges (network blocks) are assigned from IANA via ARIN
- Network blocks are assigned by ARIN to an ASN
- ASN are used for routing

- Subnets of assigned network blocks may be reassigned to other ASN

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NetRange Reassignment

206.12.0.0/16

- Block belongs to BCNET
- NetName BC-206-12-BLK
- NetType Direct Allocation

206.12.172.0/23

- Block belongs to BCNET
- Block reassigned to UBC
- NetName UBC-206-12-172
- NetType Reassigned

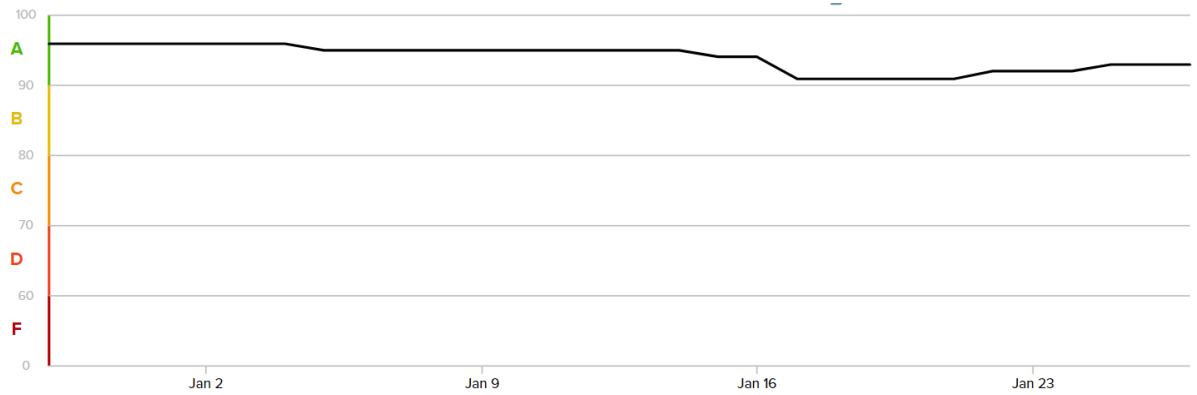
BCNET

```
$ whois 206.12.0.0 | fgrep "NetRange:
>       NetName:
>       NetType:
>       OrgName:
>       Handle:"
NetRange:       206.12.0.0 - 206.12.255.255
NetName:        BC-206-12-BLK
NetHandle:      NET-206-12-0-0-1
NetType:        Direct Allocation
OrgName:        BCnet
OrgAbuseHandle: HOSTM458-ARIN
OrgTechHandle: ESTRA192-ARIN
OrgTechHandle: LRB49-ARIN
OrgTechHandle: WONGT38-ARIN
OrgAbuseHandle: MACKA70-ARIN
RTechHandle: WONGT38-ARIN
$
```

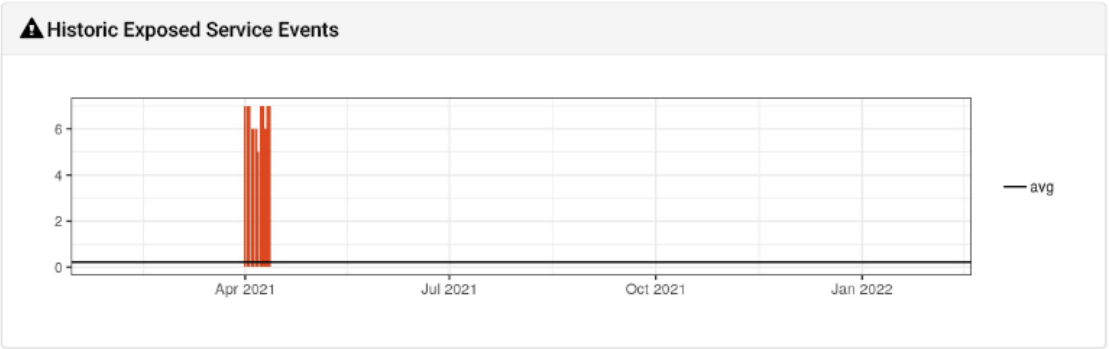
```
$ whois 206.12.172.0 | fgrep "NetRange:
>       NetName:
>       NetType:
>       OrgName:
>       Handle:"
NetRange:       206.12.0.0 - 206.12.255.255
NetName:        BC-206-12-BLK
NetHandle:      NET-206-12-0-0-1
NetType:        Direct Allocation
OrgName:        BCnet
OrgAbuseHandle: HOSTM458-ARIN
OrgTechHandle: ESTRA192-ARIN
OrgTechHandle: LRB49-ARIN
OrgTechHandle: WONGT38-ARIN
OrgAbuseHandle: MACKA70-ARIN
RTechHandle: WONGT38-ARIN
```

```
NetRange:       206.12.172.0 - 206.12.173.255
NetName:        UBC-206-12-172
NetHandle:      NET-206-12-172-0-1
NetType:        Reassigned
OriginAS:       AS393249
OrgName:        University of British Columbia
OrgTechHandle: WANGS94-ARIN
OrgTechHandle: KUSHN47-ARIN
OrgAbuseHandle: ABUSE3547-ARIN
$
```

Security Scorecard

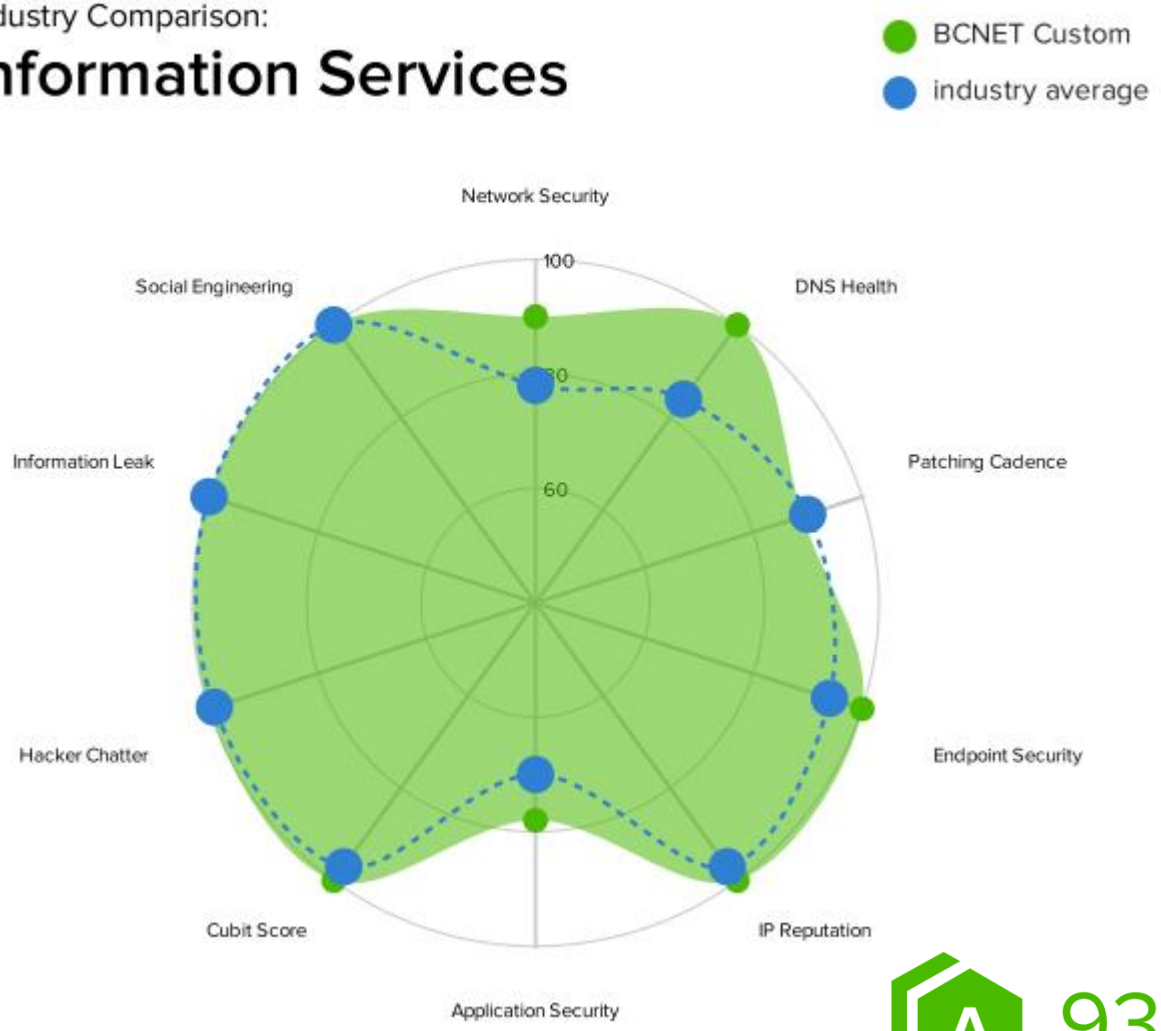


Canadian Centre Cyber Security Scorecard



Industry Comparison:

Information Services



BCNET

BCNET

Q & A

Thank-you

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