



BCNET



ARIN

- The DMV of the Internet



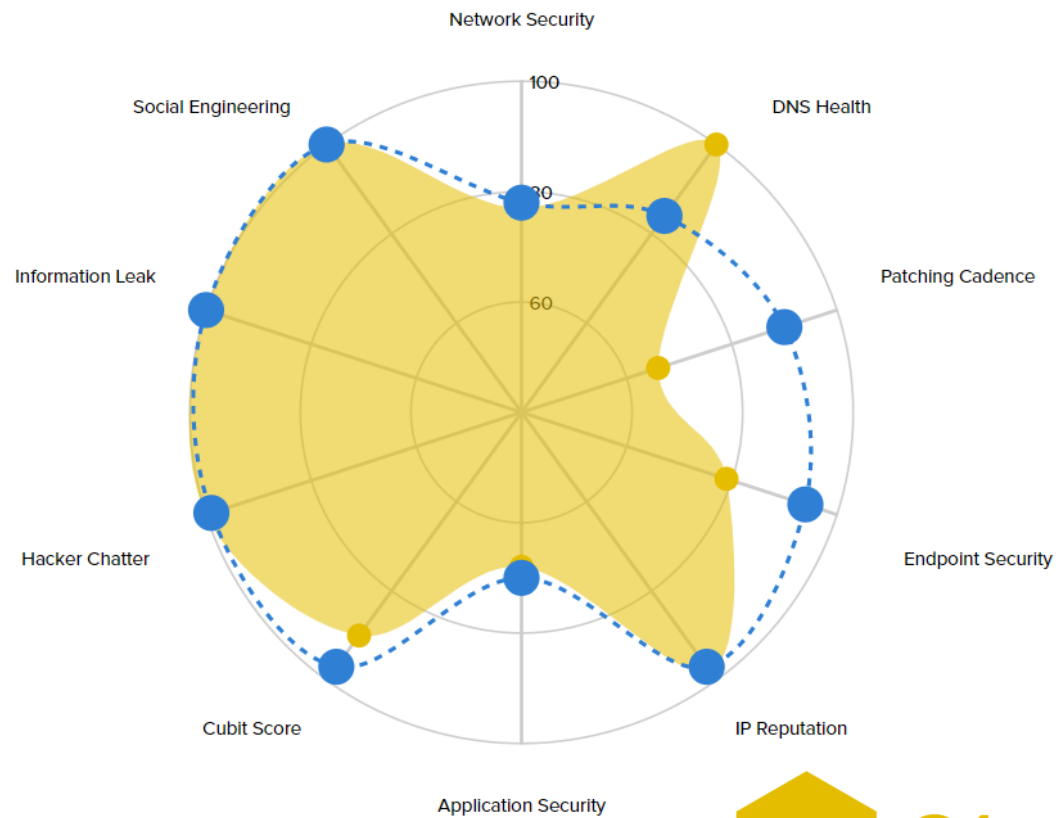
The American Registry for Internet Numbers (ARIN) is the regional Internet registry for Canada, the United States, and many Caribbean and North Atlantic islands. ARIN manages the distribution of Internet number resources, including IPv4 and IPv6 address space and AS numbers.

The Opportunity

Industry Comparison:

Information Services

● bc.net
● industry average



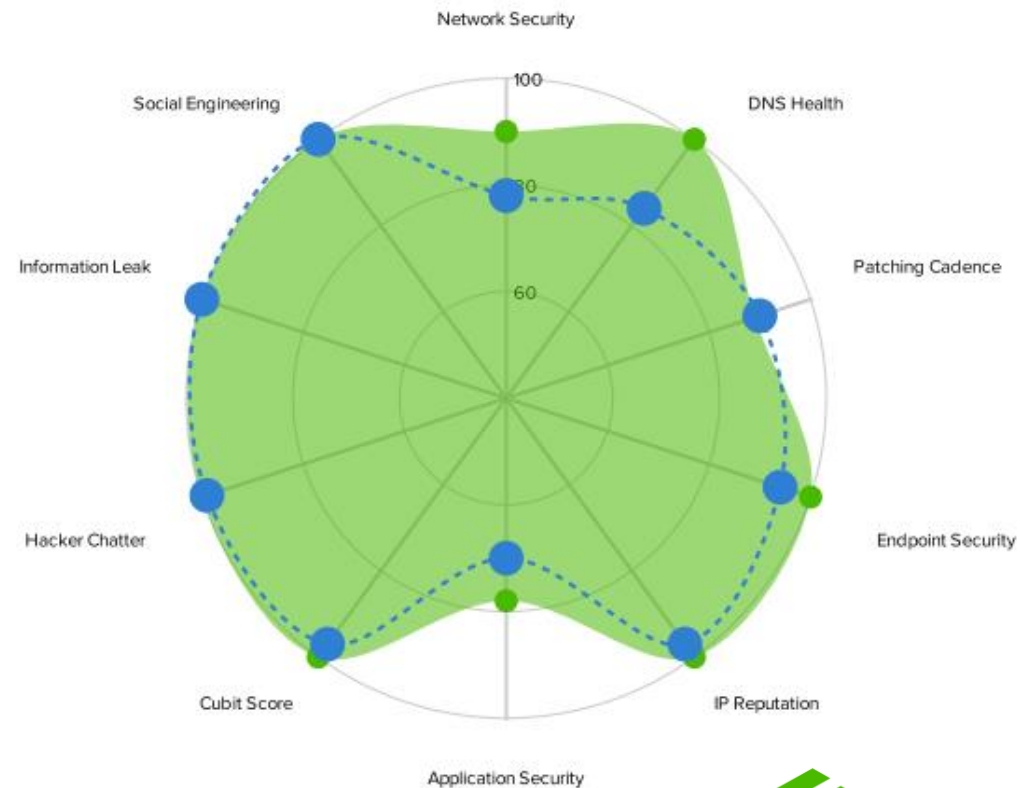
B 81

BCNET

Industry Comparison:

Information Services

● BCNET Custom
● industry average



A 93

In A Nutshell:

- They have your number
- IPv4
- IPv6
- AS Number (aka “ASN”)

Dashboard

A

Feedback

Welcome, Lance

ACCOUNT MANAGER

Dashboard

Account Snapshot

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[Point of Contact records \(POCs\)](#)

2

[Organization Identifiers \(Org IDs\)](#)

12

[Networks \(NETs\)](#)

AS271

[Autonomous System Number \(ASN\)](#)

Unpaid Invoices

Invoice #	Org ID	Amount	Due Date
SI407275	BC	\$1,000.00	Mar 30, 2...

What's New With ARIN Online

Visit [ARIN Online Functionality](#) for an overview of all the functionality currently available within ARIN Online.

POCs

Feedback

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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	<div></div> Lance Roy Bailey	02-10-2022
BCNET1-ARIN	<div></div> BCNET Abuse	02-16-2022
HOSTM458-ARIN	<div></div> HostMaster	02-04-2022

Organization

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 ACCOUNT MANAGER

Organization Identifiers

If your only responsibility is to manage the billing information for an organization, please go to [Payments & Billing](#) to request billing authorization for your Org ID.

Org Actions
[Create Org ID](#)
[Recover Org ID](#)




If your Org ID does not have a valid Admin or Tech POC, you can [recover it](#).


Organizations Associated with Your User Account

Organizations are associated with your account if you are linked to any Point of Contact (POC) for the Org ID, or if you are the Voting Contact.

Org Handle	Org Name
BC	BCnet
BC-Z	BCnet

AS Numbers


 [Feedback](#)   Welcome, Lance ▾

 ACCOUNT MANAGER

View ASNs

ASNs

The following Autonomous System Numbers (ASNs) are associated with your user account.

AS Handle	AS Range	AS Name
AS271	271	BCNET-AS 

Networks





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.

- 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

☐ 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

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	+

All IP Addresses are allocated from IANA via ARIN

 [Feedback](#)   Welcome, Lance ▾

 ACCOUNT MANAGER

Request IP Addresses

Review ARIN's policies to ensure your organization meets the requirements for the type of resource you plan to request. The [ARIN Number Resource Policy Manual \(NRPM\)](#) is the definitive source for resource requirements.

Requesting resources implies you have read and agreed to abide by ARIN policies.

Get Started

Determine the policy designation (LIR/ISP or End User) that best describes your organization. Request IPv4 or IPv6 addresses **as an LIR/ISP** or **as an End User** accordingly.

LIR/ISP

An LIR/ISP (Local Internet Registry or Internet Service Provider) is an organization that provides Internet services to other organizations, its customers, and/or individuals other than its employees. Internet services include, but are not limited to, connectivity services, web hosting services, colocation, dedicated servers, virtual private servers, and virtual private networks.

[Request IPv6 as LIR/ISP](#) [Request IPv4 as LIR/ISP](#)

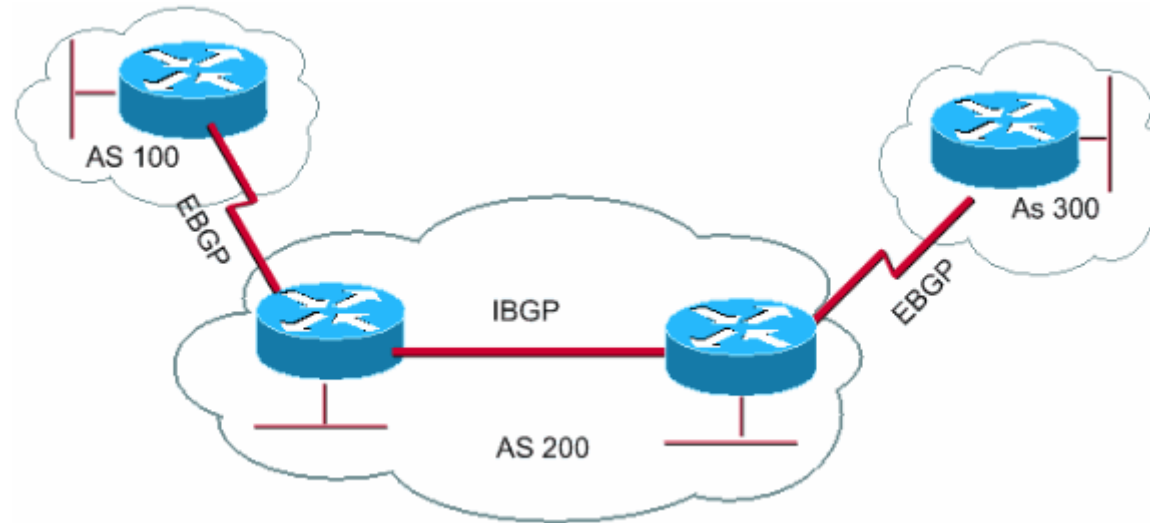
End User

An end user is an organization that operates a network exclusively for its employees but does not provide Internet services to customers. ARIN allocates blocks of IP addresses to end users who request address space for their internal use in running their own networks.

[Request IPv6 as End User](#) [Request IPv4 as End User](#)

Routing of IP Addresses is done via ASN

- Border Gateway Protocol uses ASN when determining routed peerings



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

NetRange Reassignment

206.12.0.0/16

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

206.12.172.0/23

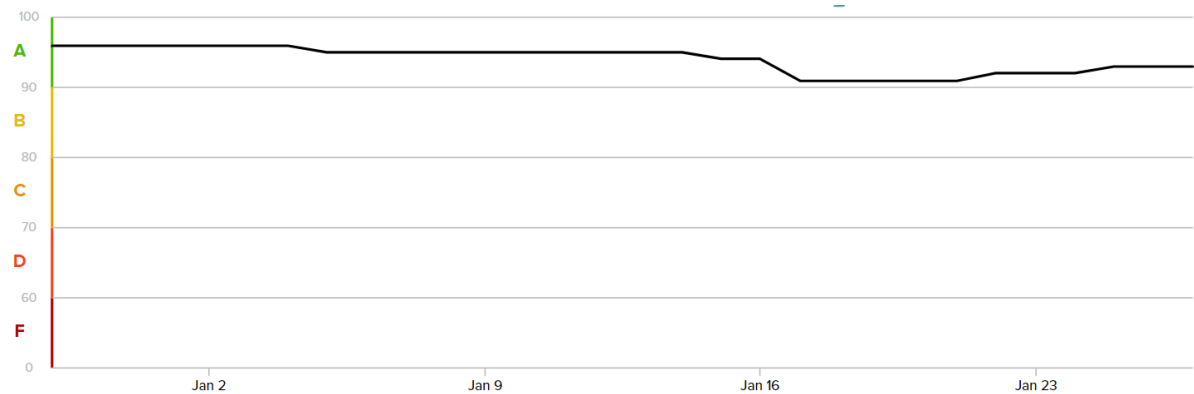
- Block belongs to BCNET
- **Block reassigned to UBC**
- NetName UBC-206-12-172
- NetType Reassigned

```
$ 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
$
```

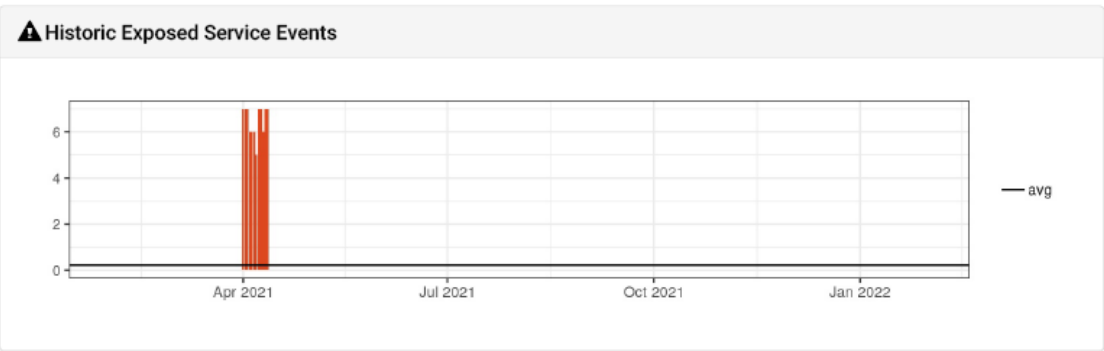
```
$ whois 206.12.172.0 | fgrep "NetRange:
>      NetName:
>      NetType:
>      OrgName:
>      Handle:"
NetRange:      206.12.0.0 - 206.12.255.255
NetName:      BC-206-12-BLK
NetHandle:      NET-206-12-0-0-1
NetType:      Direct Allocation
OrgName:      BCnet
OrgAbuseHandle: HOSTM458-ARIN
OrgTechHandle: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

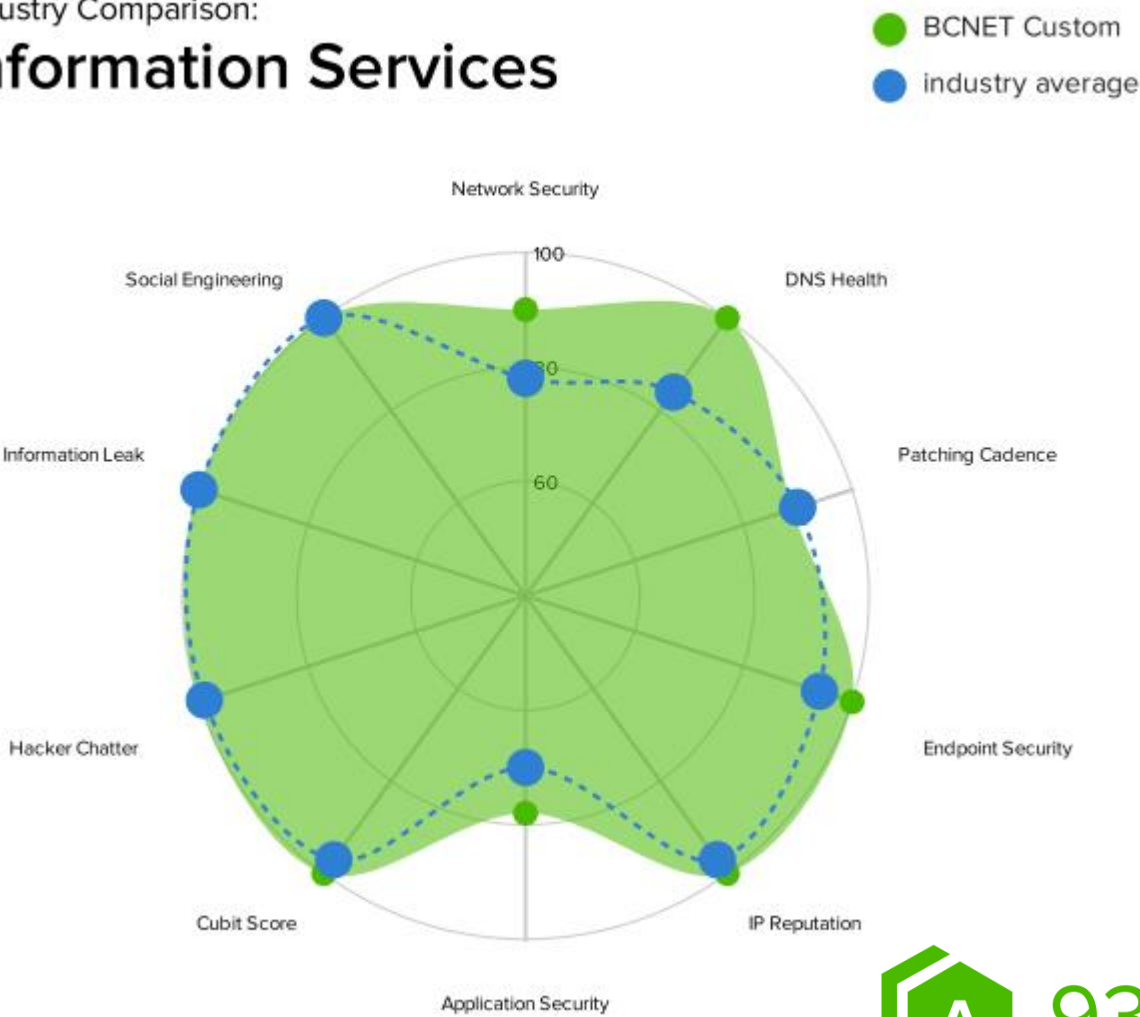

Security Scorecard



Canadian Centre Cyber Security Scorecard



Industry Comparison: Information Services



Q & A



Thank-you

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