

Peering Service

About this service

Through direct connections with the Seattle Internet Exchange (SIX), the Toronto Internet Exchange (Torix) and the New York International Internet Exchange (NYIIX), Cybera offers members a direct internet connection to major internet destinations such as Google, YouTube and Facebook. A full list of peered sites can be viewed at www.cybera.ca/strategic-projects/peering/peering-list.

When Cybera members sign up for the Peering Service, their internet traffic to these sites is split from their other commercial internet traffic. These direct connections mean that content will load faster, even during peak times. For general information on the Peering Service, visit: www.cybera.ca/strategic-projects/peering.

Member benefits

The Peering Service can reduce data costs for members between 40 to 65 percent by directly connecting with heavily visited internet sites. Analysis of school data traffic shows that visits to the major sites included in the Peering Service account for over 50 percent of the average school's internet traffic.

Membership requirements

The Peering Service is exclusively available to educational and not-for-profit organizations in Alberta that are members of Cybera.

Technical requirements for consideration by a prospective member's network staff

- 1) A physical network connection to CyberaNet or the Alberta SuperNet is required.
- 2) The member institution needs its own public IP address (Class C minimum).
- 3) When the Peering Service is set up with the required routing system, the member will be connected to both CyberaNet as well as their commercial Internet Service Provider. This will require the Internet Service Provider to be set up for multi-homing. Cybera will provide the documentation required for this set up. *This does not apply to members who are in the Internet Buying Group.*
- 4) Once the physical connection is set up, the connection is finalized and tested.

Cybera is able to provide technical advice and assistance for all organizations interested in the Peering Service.