

# Ontario's Backbone of Innovation

Connecting big ideas, big thinkers and big data through an ultra high-speed fibre optic network dedicated to enabling research, education and innovation (RE&I) in Ontario

## BE BOUNDLESS: Never be limited by your network

Research and education institutions in Ontario need networks that can keep pace with their vision of the future. ORION is the only high-speed dedicated fibre optic network committed specifically to supporting innovation in Ontario. ORION is:

### EVERYWHERE IN ONTARIO

We have 6,000 kms of fibre connecting all of Ontario from Thunder Bay to Timmins, Ottawa and across to Windsor

### HIGHLY RELIABLE

Redundant infrastructure means our uptime is 99.95% across Ontario, rivalling world-class telecom networks.

### RIDICULOUSLY FAST

Our network is 1000x faster than publicly available Internet networks, allowing you to transmit huge amounts of data without bottlenecks.

### ADVANCED COMPUTING

We support huge data projects that ISPs cannot.

## BE CONNECTED: Build on the strength of community

Research and education are highly cooperative and collaborative activities. Innovation eco-systems thrive and grow, driving results that simply cannot be achieved in isolation.

### COLLABORATE WITH PEERS AROUND THE WORLD

Link to other provinces and to international private RE&I networks globally.

### ADVANCE PARTNERSHIPS

Connect to advanced computing centres across Ontario to support large-scale research projects.

### CONNECT TO ONTARIO'S INNOVATION COMMUNITY

We link over 100 universities, colleges, hospitals, research institutions and school boards representing two million users.

### BE PART OF A LARGER CONVERSATION

ORION's annual conference, working groups and online communities provide a common ground for engagement and dialogue.



[orion.on.ca](http://orion.on.ca)  
[@orionnetwork](https://twitter.com/orionnetwork)

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## BE COST-EFFECTIVE: Save administration and infrastructure dollars

ORION is a not-for-profit provincial network that is committed to maximizing service without risk. We're committed to innovation, not profits, and that saves you money.

### PREDICT COSTS

Single annual "all-you-can-eat" fee and low annual fee means no surprises as data traffic grows and no barriers to research.

### SAVE MONEY WITH SHARED SERVICES

Get the benefit of shared resources and services across the ORION network to gain savings and improve operations.

### MANAGE TRAFFIC AND DATA CONSUMPTION

ORION's monitoring tools help you keep data costs under control.

### REDUCE OPERATIONAL COSTS

Capitalize on ORION's peering agreements and cut ISP traffic costs by up to 50%.

## Enable digital learning in the 21st century

Support a bring-your-own-device strategy with the bandwidth and connectivity needed for tens of thousands of devices.

Enhance learning with digital content from some of the world's leading providers.

Take distance learning to new levels with rich video conferencing solutions and live-streaming.

Provide exciting experiential learning through models, simulations and other techniques.

Support tens of thousands of courses through massive online learning initiatives (MOOCs).

## ORION Nebula takes innovation to the cloud:

Leverage over 50 cloud partners delivering cost-effective services to ORION clients.

Access a range of services, including storage, co-location, video conferencing, last-mile and educational content.

Reduce ISP traffic costs by accessing Nebula cloud services over ORION.

Gain the cost benefits of best-of-breed shared services.



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