

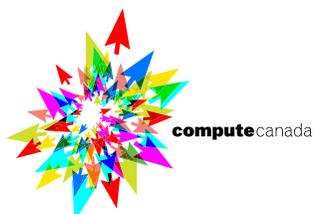
# WHAT YOU NEED TO KNOW ABOUT CEDAR

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## THE MOST POWERFUL ACADEMIC SUPERCOMPUTER IN CANADA

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- 1 Cedar is located at Simon Fraser University's Burnaby Campus** and will serve researchers across Canada. With over 3.6 petaFLOPS of computing power, Cedar has greater computational power than the entire fleet of Compute Canada's 50 aging legacy systems combined.
- 2 Cedar is one of four new national systems Compute Canada is deploying** as part of one of the biggest advanced research computing renewals in Canada's history. Learn more about this technology renewal at [www.computecanada.ca/techrenewal](http://www.computecanada.ca/techrenewal)
- 3 Cedar provides expanded compute, storage, and cloud resources** for researchers across the country. With our regional partners, Compute Canada serves over 11,000 Canadian researchers, including more than 3,000 faculty members across all academic disciplines.
- 4 Cedar supports a range of applications and workloads.** It has large memory nodes (up to 3 terabytes), on-node storage, and GPU nodes for powerful computing. It's designed to run multiple simultaneous jobs of up to 1280 CPU cores each.
- 5 Cedar runs cloud.** Using OpenStack, Cedar's massive storage and batch HPC (high performance computing) environment will integrate seamlessly with Arbutus — Compute Canada's cloud system at the University of Victoria — and other systems in the national cloud federation.



#supercomputerCedar



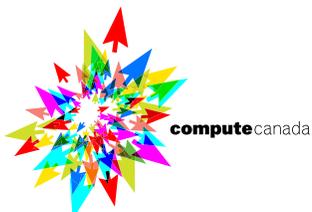
**6 Cedar is built for big data.** With its massive 5 petabyte parallel storage system and extraordinary computing power, Cedar can support researchers who are collecting, analyzing, or sharing immense volumes of data.

**7 Cedar supports a broad range of projects.** Researchers will pursue discovery and innovations in deep learning, artificial intelligence, image processing, and simulations ranging from cosmology to population health to molecular dynamics.

**8 Cedar is fully integrated into Compute Canada's National Data Cyberinfrastructure** which allows for massive data flows at up to 100Gb/s among sites. Data intensive science requires a platform optimized for large capacity, high performance data flows.

**9 Cedar is supported by experts through a national support model.** Compute Canada works directly with their regional partners to deliver support and training across the country. Email Compute Canada's National Help Desk at [support@computecanada.ca](mailto:support@computecanada.ca) to get help with your unique research challenges.

**10 The system name “Cedar” references the Western Red Cedar,** B.C.'s official tree, and is of great spiritual significance to the First Nations of Western Canada. The cedar tree also symbolizes inspiration and is a structure of growth and strength.



[#supercomputerCedar](https://twitter.com/supercomputerCedar)