



University of Victoria's Next-Gen Cloud Infrastructure Helps Scientists Expand Knowledge

University of Victoria's Research Computing Services (RCS) unit provides Advanced Research Computing (ARC) infrastructure and services to university researchers, scientists at institutions across the country, and through international collaborations. The facility hosts one of Compute Canada's ARC data centers and the Arbutus cloud, an OpenStack cloud with an emphasis on hosting virtual machines and other cloud workloads. Arbutus was designed to augment traditional large-cluster HPC workloads and support research projects that require different capabilities than traditional HPC clusters, including online machine learning/artificial intelligence, big data and collaborative computing. Arbutus was built with Lenovo SR630, SR670 and SD530 nodes, using 2nd Gen Intel® Xeon® Scalable processors with Intel® Optane™ persistent memory and Intel SSDs.

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