

Enabling Western New York Businesses to Innovate with a Dedicated HPC Cluster

The University at Buffalo's (UB) Center for Computational Research (CCR) offers unique opportunities to Western New York's many businesses. CCR clients and businesses in the region were engaging in advanced computing methodologies, including machine learning, artificial intelligence, bioinformatics, genomics, large-scale simulations, and others. The CCR provides dedicated converged high-performance computing (HPC) and Artificial Intelligence (AI) capabilities with a new HPC + AI compute cluster. The new cluster, built by Dell Technologies using 3rd Generation Intel® Xeon® Scalable processors, enables a large community of customers to develop innovative solutions through simulation, modeling, and machine learning. With the new HPC cluster, the CCR is meeting the needs of its customers with high performance, large memory capacity, and fast I/O.

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