

Get ready to **TAPP** into **TRITON RESOURCE**

Triton Affiliates & Partners Program (TAPP)

UCSD/UC researchers are the primary customers for the Triton Resource, although others in academia, industry and government also will be offered access. UC researchers can gain access to Triton through TAPP, the Triton Affiliates and Partners Program (an evolution of the Academic Associates Program) at a discounted rate; other non-UC researchers (from other universities, government and industry) will be charged a highly competitive rate.

Petascale Data Access Facility (PDAF)

PDAF is a one-of-a-kind resource capable of accelerating solutions for problems that encompass massive amounts of data. This extraordinary feat is made possible through the latest state-of-the-art "memory-rich" Sun compute nodes, each with 8 quad-core AMD Shanghai processors. PDAF includes 20 x 256 GB nodes, and 8 x 512 GB nodes. In fact, only three nodes currently operating amongst TeraGrid national resources have more memory than the 28 PDAF nodes.

Triton Compute Cluster (TCC)

The computing needs for many researchers are met through "capacity" computing that addresses a broad range of scientific applications. The Triton Compute Cluster (TCC) -- an Appro GreenBlade Cluster -- can fill this need with a total of 256 nodes, each with 24 gigabytes of memory. Specifically, the cluster features Appro Blade Server nodes with dual quad-core Intel Nehalem processors. With TCC, a researcher's HPC needs can be met through state-of-the-art equipment, maintained 24/7 by a professionally trained staff, in an energy-efficient data center.

Data Oasis

Data Oasis is a large-scale disk storage system whose specifications will be announced later this year. Data Oasis is fundamental to the life cycle of data, including storage, management, and preservation, providing facilities for the practical manipulation of data across high-bandwidth paths to research throughout UC San Diego and the statewide UC system.



System Specs

PDAF

28 Sun X4600M2 nodes
8 x 512 GB per node
16 x 256 GB per node
4 x 256 GB database nodes
AMD Shanghai 2.4 GHz
8 quad-core sockets per node

TCC

256 Appro gB222X nodes
24 GB per node
Intel Nehalem 2.4 GHz
2 quad-core sockets per node

Data Oasis

TBA Fall 2009

Interconnect

Myricom Myrinet

More Information

For more information about the Triton Resource or the Triton Affiliates & Partners Program, please e-mail consult@sdsc.edu or visit <http://tritonresource.sdsc.edu>