Yale University Facilities Overview

Yale University and the Department of Computer Science provide resources that are relevant to the proposed research. The faculty, researchers, and students in the Department of Computer Science have access to a wide variety of ever-changing state-of-the-art computing resources, ranging from laptops, conventional PCs, and scientific workstations to high-powered compute servers and workstation clusters used as parallel computers. The PI's research group has access to the high-performance Bulldog clusters, which have over 1200 nodes, over 13,000 cores, and over 2.5 petabytes of high-performance storage.

The Department's computing resources are professionally managed by Faculty Support (FASIT), a unit of the Yale office of Information and Technology Services (ITS). FASIT staff follow policy set by a faculty oversight committee in providing first-class responsive service to all departmental users.

Further server hosting and administration is provided by Yale University available in a wide variety of reliable, secure, and cost-effective solutions. Yale ITS offers cloud-based, virtual, and data center solutions. This includes (i) Hosting for computing and storage systems in a secure, scalable, and environmentally controlled space in a Yale Data Center with redundant facilities and resilient technologies. (ii) Virtual server (Sprout at Yale), a client-managed, easy and affordable way to get your server in the Yale cloud, offers great flexibility and gives users full administrator privileges to customize the server. (iii) The ITS private cloud is based on redundant, highly reliable infrastructure with replicated storage and load and performance management.