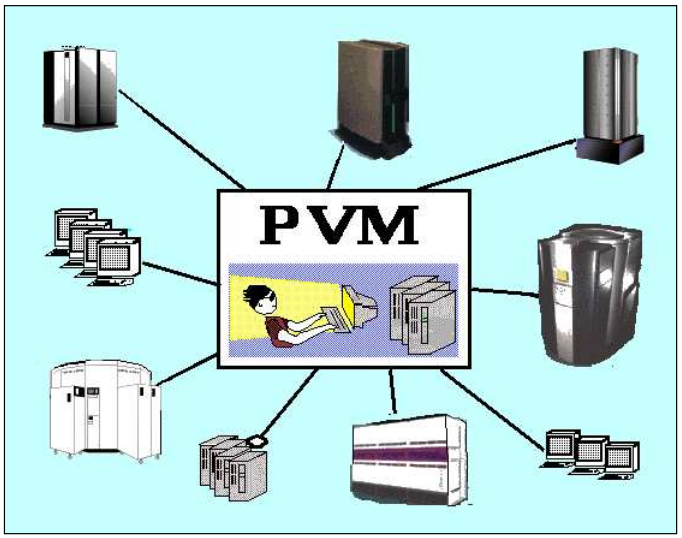
Parallel Virtual Machine

Oak Ridge National Laboratory ornl

PVM is a software package that permits a collection of heterogeneous computers from laptops to Crays to be used as a single large parallel computer



PVM is the de facto standard for distributed computing
User survey shows use continues to double each year

Hundreds of Industries save money by using PVM to exploit the aggregate power and memory of networked computers to solve their large scientific, business and medical problems

PVM users include General Electric, Ford, Boeing, Dupont, United Technologies, Citicorp, Mobil Oil, TVA, and many more

Research Objective

To study the advanced computing concepts in heterogeneous distributed computing including issues and features that will be required for use by scientists and industry

Highlights

PVM version 3.3 released	Containing more new features than any previous release including tracing, shared memory, faster communication,and debugger interface
XPVM version 1 released	A graphical interface to simplify debugging and performance tuning
PVM/AVS interface developed	Combines the compute power of PVM and visualization power of AVS
Convex	Working with PVM team on improved shared memory port

http://www.epm.ornl.gov/pvm