Joint Center for Intelligent Spatial Computing

CISC
www.cisc.gmu.edu

HPC & Cyberinfrastructure

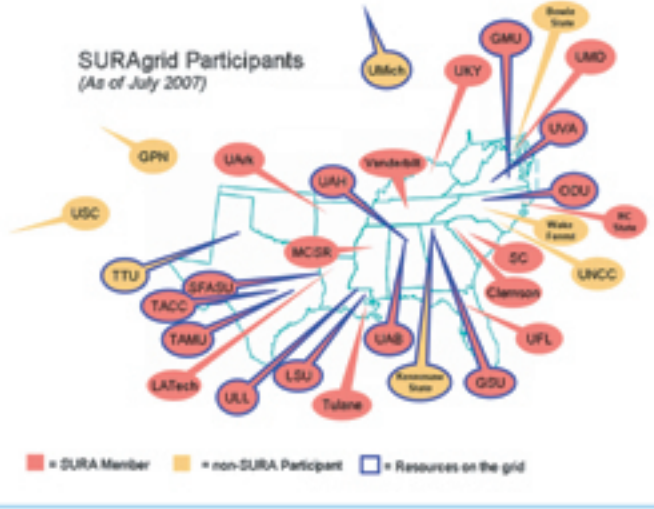
We build our high performance cluster and use Grid technology to develop, implement, and deploy applications to a large number of computing resources across the network to achieve high throughputs.

Resources

- Hardware
  - Dell Servers :
    - » 2 PowerEdge 2600
    - » 2 PowerEdge 1950
    - » 1 PowerEdge 1850
    - » 2 PowerEdge 1750
    - » 1 PowerEdge 4600
    - » 2 PowerEdge 1600SC
    - » 1 PowerEdge 6950
  - SUN Servers
    - » 3 Sun V20Z
  - Others
    - » 1 IBM Xseries 335
    - » 1 Gbps Dell PowerConnect 2508 switch
    - » 1 fiber switch
    - » 10T bytes storage

- Software
  - OS
    - Linux : Redhat AS3; Redhat AS4; Ubuntu;
    - Solaris
    - Windows Server 2000; Windows Server 2003
  - Application Software
    - Linux:
      - Condor, Globus
      - MPICH2,OpenMP, PVM
    - Windows:
      - ArcIMS, ArcGIS
      - GeoMedia, Webmap

SURAgrid Participation



SURAgrid Resources

LamdaRail Participation

CISC Grid can setup 1-10Gbps connection to any of the Universities, Agencies, and Centers, such as GSFC & SDSC, connected to LamdaRail.

CISC Computing Pool

Overview

Name	OpSys	Arch	LoadAv	Memory	Disk	Mips	KFlops
va1x0C4	LINUX	INTEL	0.000	1004	30821863	2523	728532
va2xC4	LINUX	INTEL	0.000	1004	30821863	2523	728532
va10FREE_DOWN	LINUX	INTEL	0.000	506	55441704	2334	823167
va20FREE_DOWN	LINUX	INTEL	0.110	506	55441704	2334	823167
va30FREE_DOWN	LINUX	INTEL	0.000	506	55441704	2334	823167
va40FREE_DOWN	LINUX	INTEL	0.000	506	55441704	2334	823167
va50FREE_DOWN	LINUX	INTEL	0.000	506	55441704	2334	823167
va60FREE_DOWN	LINUX	INTEL	0.000	506	55441704	2334	823167
va70FREE_DOWN	LINUX	INTEL	0.000	506	55441704	2334	823167
va80FREE_DOWN	LINUX	INTEL	0.000	506	55441704	2334	823167
va10FREE_UP	LINUX	INTEL	0.040	506	53539400	2387	812560
va20FREE_UP	LINUX	INTEL	0.000	506	53539400	2387	812560
va30FREE_UP	LINUX	INTEL	0.000	506	53539400	2387	812560
va40FREE_UP	LINUX	INTEL	0.000	506	53539400	2387	812560
va50FREE_UP	LINUX	INTEL	0.000	506	53539400	2387	812560
va60FREE_UP	LINUX	INTEL	0.000	506	53539400	2387	812560
va70FREE_UP	LINUX	INTEL	0.000	506	53539400	2387	812560
va80FREE_UP	LINUX	INTEL	0.000	506	53539400	2387	812560
va1x0r1x04	LINUX	INTEL	1.000	506	13885950	2135	893282
va2x0r1x04	LINUX	INTEL	0.000	506	13885950	2135	893282
va3x0r1x04	LINUX	INTEL	0.000	506	13885950	2135	893282
va4x0r1x04	LINUX	INTEL	0.000	506	13885950	2135	893282
va1dmsg1.sca..	LINUX	INTEL	0.000	1004	22383758	3147	875592
va2dmsg1.sca..	LINUX	INTEL	0.000	1004	22383758	3147	875592
va1dgr1x01.sca	LINUX	INTEL	0.120	1003	8093544	2254	893654
va2dgr1x01.sca	LINUX	INTEL	0.000	1003	8093544	2254	893654
va1x0c7b.ccs.g	LINUX	INTEL	0.000	1004	25338766	3675	870699
va2x0c7b.ccs.g	LINUX	INTEL	0.000	1004	25338766	3675	870699
va1x0r2b	WINNT51	INTEL	0.000	1022	77353490	2180	659561
va2x2b	WINNT51	INTEL	0.040	1022	77353490	2180	659561

Machines	Avail	Memory	Disk	KIPS	KFLOPS
INTEL/LINUX	28	28	18150	1100644492	68272	20396898
INTEL/WINNT51	2	2	2044	154760980	4360	1319122

Sponsored by: NASA, Intergraph, USGS, fgdc, SURA, UCAR

Contact: Research Building I, 4400 University Drive, Fairfax,VA 22030

Phone: 703-993-4742 E-mail: cyang3@gmu.edu

Copyright © 2006-2007 George Mason University