

InterSect360 Research 2010 Site Census

WELCOME

InterSect360 Research User Site System Census Survey

Thank you for taking a few minutes to complete our survey. Your responses will help technology and services suppliers better understand the server, storage, network, and software technology currently in use at High Productivity Computing sites. InterSec360 Research will aggregate the data and will not identify individual sites with their responses. We will provide you with a summary report of this survey when it is complete.

For the purposes of this study we define HPC as:

High Productivity Computing (HPC) is the use of servers, clusters, and supercomputers - plus associated software, tools, components, storage, and services - for scientific, engineering, or analytical tasks that are particularly intensive in computation, memory usage, or data management. HPC is used by scientists and engineers both in research and development, and to a growing extent business applications in such areas as business intelligence, complex event processing, virtual environments (e.g. on line games), and ultra-scale computational facilities. HPC applications are found across industry, government, and academia. Within industry, HPC can frequently be distinguished from general business computing in that companies generally will use HPC applications to gain advantage in their core endeavors - e.g., finding oil, designing automobile parts, or protecting clients' investments - as opposed to non-core endeavors such as payroll management or resource planning.

In this study we will ask you to list the systems and software you currently have installed and provide some top level configuration/usage information for those systems and packages. Finally, we ask for some demographic information to complete the survey.

Please contact Christopher Willard at chris@InterSect360.com if you have any questions or comments. Thank you again for your help.

Click the NEXT button below to begin.

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Qualifier

* 1. Does your organization run any type of HPC applications? (Note: If you run HPC type applications on any size machine including entry level or midrange systems you ARE qualified for this study.)

Yes

No

Introduction

Please provide a response to each question.

* 1. What is the name of your company/institution/organization?

* 2. What is your job title?

* 3. Which of the following tasks do you perform or have management responsibilities for in your organization? (check all that apply)

- Overall management
- Systems administration
- Facilities operations/management
- Systems engineering/planning
- Systems specifications/purchasing
- Software specifications/purchasing
- Applications software development/optimization/maintenance
- Systems software/middleware development/turning/enhancing/maintenance
- Workflow software development/maintenance
- User services/training/consulting
- Other

* 4. What country are you located in?

SERVERS

Please provide as much of the following information as possible for each of your installed server systems (you will be able to include up to 5 systems - one per page):

1. SYSTEM 1: Vendor and model:

(Use "in-house" for systems configured by internal staff, integrators, or contractors. Use "generic" for systems using commercial off-the-shelf technology with multiple or unknown vendors.)

2. Year acquired:

3. How acquired (direct sales rep, reseller, web):

direct sales rep

reseller

web

don't know

Other (please specify)

4. Last year upgraded:

5. Architecture (SMP, MPP, cluster, blade, etc.):

SMP

MPP

cluster

blade based

vector

Uniprocessor

Other (please specify)

6. On average, how many additional nodes (servers) do you add to your clusters each year?

7. On average, how many nodes (servers) do you replace in your clusters each year?

8. What is the primary Operating system:

- SUSE/OpenSUSE
- Red Hat
- CENT OS
- Other commercial Linux
- Non-commercial Linux
- Windows Server 2000
- Windows Server 2003
- Windows Compute Cluster Server 2003
- Windows HPC Server 2008
- Windows Client (XP, Vista, Windows 7, or older)
- Mac OS X
- AIX
- Solaris
- Irix
- Other (please specify)

9. Number of nodes:

(For SMP or Uni-processor systems set the number of nodes to 1.)

10. For normal use, is this system typically partitioned into smaller logical systems?

- Yes
- No

11. If yes, what is the typical number of partitions or logical systems it is divided into?

12. Processor type (AMD x86-64, Intel x86-64, Power, Sparc, etc.):

13. Number of processors per node:

(NOTE: For questions 14-16, for clustered systems with multiple node types configured, use the predominant node for your responses.)

14. Number of cores per processor:

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15. Amount of memory per node (GB):

16. Amount of local disk per node (GB):

17. Amount of system level direct attached storage in GB

18. Amount of storage allocated to this system on network shared storage system (GB)

19. For cluster and MPP configurations, please list:

Interconnect

Supplier (Primary):

Interconnect

Supplier

(Secondary):

20. For cluster and MPP configurations, please list primary Interconnect type:

10 Mbps or less Ethernet

100 Mbps Ethernet

1 Gbps Ethernet

10 Gbps Ethernet

Ethernet, unknown speed

10 Gbps Infiniband

20 Gbps Infiniband

40 Gbps Infiniband

Infiniband, unknown speed

Fibre Channel

Don't know

Other (please specify)

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21. For cluster and MPP configurations, please list secondary Interconnect type:

10 Mbps or less Ethernet

100 Mbps Ethernet

1 Gbps Ethernet

10 Gbps Ethernet

Ethernet, unknown speed

10 Gbps Infiniband

20 Gbps Infiniband

40 Gbps Infiniband

Infiniband, unknown speed

Fibre Channel

Don't know

Not Applicable

Other (please specify)

22. Accelerator Technology - please answer the following if this system uses accelerator technology:

Supplier name:

Accelerator name/type:

Number in system:

23. Accelerator configuration approach (select one):

On-node accelerator - accelerators are configured as part of a node

Independent - accelerators are configured as independent nodes

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24. For Accelerators -- what programming models are you using?

- OpenCL
- CUDA
- DirectX
- My Numerical library handles this for me
- My Compiler does this for me
- I don't know
- Other (please specify)

* 25. Do you have an another installed server system to report on?

- Yes
- No

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SERVER #2

Please provide as much of the following information as possible for each of your installed server systems (you will be able to include up to 5 systems - one per page):

1. SYSTEM 2: Vendor and model:

(Use "in-house" for systems configured by internal staff, integrators, or contractors. Use "generic" for systems using commercial off-the-shelf technology with multiple or unknown vendors.)

2. Year acquired:

3. How acquired (direct sales rep, reseller, web):

direct sales rep

reseller

web

don't know

Other (please specify)

4. Last year upgraded:

5. Architecture (SMP, MPP, cluster, blade, etc.):

SMP

MPP

cluster

blade based

vector

Uniprocessor

Other (please specify)

6. On average, how many additional nodes (servers) do you add to your clusters each year?

7. On average, how many nodes (servers) do you replace in your clusters each year?

8. What is the primary Operating system:

- SUSE/OpenSUSE
- Red Hat
- CENT OS
- Other commercial Linux
- Non-commercial Linux
- Windows Server 2000
- Windows Server 2003
- Windows Compute Cluster Server 2003
- Windows HPC Server 2008
- Windows Client (XP, Vista, Windows 7, or older)
- Mac OS X
- AIX
- Solaris
- Irix
- Other (please specify)

9. Number of nodes:

(For SMP or Uni-processor systems set the number of nodes to 1.)

10. For normal use, is this system typically partitioned into smaller logical systems?

- Yes
- No

11. If yes, what is the typical number of partitions or logical systems it is divided into?

12. Processor type (AMD x86-64, Intel x86-64, Power, Sparc, etc.):

13. Number of processors per node:

(NOTE: For questions 14-16, for clustered systems with multiple node types configured, use the predominant node for your responses.)

14. Number of cores per processor:

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15. Amount of memory per node (GB):

16. Amount of local disk per node (GB):

17. Amount of system level direct attached storage in GB

18. Amount of storage allocated to this system on network shared storage system (GB)

19. For cluster and MPP configurations, please list:

Interconnect

Supplier (Primary):

Interconnect

Supplier

(Secondary):

20. For cluster and MPP configurations, please list primary Interconnect type:

10 Mbps or less Ethernet

100 Mbps Ethernet

1 Gbps Ethernet

10 Gbps Ethernet

Ethernet, unknown speed

10 Gbps Infiniband

20 Gbps Infiniband

40 Gbps Infiniband

Infiniband, unknown speed

Fibre Channel

Don't know

Other (please specify)

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21. For cluster and MPP configurations, please list secondary Interconnect type:

10 Mbps or less Ethernet

100 Mbps Ethernet

1 Gbps Ethernet

10 Gbps Ethernet

Ethernet, unknown speed

10 Gbps Infiniband

20 Gbps Infiniband

40 Gbps Infiniband

Infiniband, unknown speed

Fibre Channel

Don't know

Not Applicable

Other (please specify)

22. Accelerator Technology - please answer the following if this system uses accelerator technology:

Supplier name:

Accelerator name/type:

Number in system:

23. Accelerator configuration approach (select one):

On-node accelerator - accelerators are configured as part of a node

Independent - accelerators are configured as independent nodes

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24. For Accelerators -- what programming models are you using?

- OpenCL
- CUDA
- DirectX
- My Numerical library handles this for me
- My Compiler does this for me
- I don't know
- Other (please specify)

* 25. Do you have an another installed server system to report on?

- Yes
- No

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SERVER #3

Please provide as much of the following information as possible for each of your installed server systems (you will be able to include up to 5 systems - one per page):

1. SYSTEM 3: Vendor and model:

(Use "in-house" for systems configured by internal staff, integrators, or contractors. Use "generic" for systems using commercial off-the-shelf technology with multiple or unknown vendors.)

2. Year acquired:

3. How acquired (direct sales rep, reseller, web):

direct sales rep

reseller

web

don't know

Other (please specify)

4. Last year upgraded:

5. Architecture (SMP, MPP, cluster, blade, etc.):

SMP

MPP

cluster

blade based

vector

Uniprocessor

Other (please specify)

6. On average, how many additional nodes (servers) do you add to your clusters each year?

7. On average, how many nodes (servers) do you replace in your clusters each year?

8. What is the primary Operating system:

- SUSE/OpenSUSE
- Red Hat
- CENT OS
- Other commercial Linux
- Non-commercial Linux
- Windows Server 2000
- Windows Server 2003
- Windows Compute Cluster Server 2003
- Windows HPC Server 2008
- Windows Client (XP, Vista, Windows 7, or older)
- Mac OS X
- AIX
- Solaris
- Irix
- Other (please specify)

9. Number of nodes:

(For SMP or Uni-processor systems set the number of nodes to 1.)

10. For normal use, is this system typically partitioned into smaller logical systems?

- Yes
- No

11. If yes, what is the typical number of partitions or logical systems it is divided into?

12. Processor type (AMD x86-64, Intel x86-64, Power, Sparc, etc.):

13. Number of processors per node:

(NOTE: For questions 14-16, for clustered systems with multiple node types configured, use the predominant node for your responses.)

14. Number of cores per processor:

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15. Amount of memory per node (GB):

16. Amount of local disk per node (GB):

17. Amount of system level direct attached storage in GB

18. Amount of storage allocated to this system on network shared storage system (GB)

19. For cluster and MPP configurations, please list:

Interconnect Supplier (Primary):

Interconnect Supplier (Secondary):

20. For cluster and MPP configurations, please list primary Interconnect type:

10 Mbps or less Ethernet

100 Mbps Ethernet

1 Gbps Ethernet

10 Gbps Ethernet

Ethernet, unknown speed

10 Gbps Infiniband

20 Gbps Infiniband

40 Gbps Infiniband

Infiniband, unknown speed

Fibre Channel

Don't know

Other (please specify)

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21. For cluster and MPP configurations, please list secondary Interconnect type:

10 Mbps or less Ethernet

100 Mbps Ethernet

1 Gbps Ethernet

10 Gbps Ethernet

Ethernet, unknown speed

10 Gbps Infiniband

20 Gbps Infiniband

40 Gbps Infiniband

Infiniband, unknown speed

Fibre Channel

Don't know

Not Applicable

Other (please specify)

22. Accelerator Technology - please answer the following if this system uses accelerator technology:

Supplier name:

Accelerator name/type:

Number in system:

23. Accelerator configuration approach (select one):

On-node accelerator - accelerators are configured as part of a node

Independent - accelerators are configured as independent nodes

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24. For Accelerators -- what programming models are you using?

- OpenCL
- CUDA
- DirectX
- My Numerical library handles this for me
- My Compiler does this for me
- I don't know
- Other (please specify)

* 25. Do you have an another installed server system to report on?

- Yes
- No

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SERVER #4

Please provide as much of the following information as possible for each of your installed server systems (you will be able to include up to 5 systems - one per page):

1. SYSTEM 4: Vendor and model:

(Use "in-house" for systems configured by internal staff, integrators, or contractors. Use "generic" for systems using commercial off-the-shelf technology with multiple or unknown vendors.)

2. Year acquired:

3. How acquired (direct sales rep, reseller, web):

direct sales rep

reseller

web

don't know

Other (please specify)

4. Last year upgraded:

5. Architecture (SMP, MPP, cluster, blade, etc.):

SMP

MPP

cluster

blade based

vector

Uniprocessor

Other (please specify)

6. On average, how many additional nodes (servers) do you add to your clusters each year?

7. On average, how many nodes (servers) do you replace in your clusters each year?

8. What is the primary Operating system:

- SUSE/OpenSUSE
- Red Hat
- CENT OS
- Other commercial Linux
- Non-commercial Linux
- Windows Server 2000
- Windows Server 2003
- Windows Compute Cluster Server 2003
- Windows HPC Server 2008
- Windows Client (XP, Vista, Windows 7, or older)
- Mac OS X
- AIX
- Solaris
- Irix
- Other (please specify)

9. Number of nodes:

(For SMP or Uni-processor systems set the number of nodes to 1.)

10. For normal use, is this system typically partitioned into smaller logical systems?

- Yes
- No

11. If yes, what is the typical number of partitions or logical systems it is divided into?

12. Processor type (AMD x86-64, Intel x86-64, Power, Sparc, etc.):

13. Number of processors per node:

(NOTE: For questions 14-16, for clustered systems with multiple node types configured, use the predominant node for your responses.)

14. Number of cores per processor:

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15. Amount of memory per node (GB):

16. Amount of local disk per node (GB):

17. Amount of system level direct attached storage in GB

18. Amount of storage allocated to this system on network shared storage system (GB)

19. For cluster and MPP configurations, please list:

Interconnect Supplier (Primary):

Interconnect Supplier (Secondary):

20. For cluster and MPP configurations, please list primary Interconnect type:

10 Mbps or less Ethernet

100 Mbps Ethernet

1 Gbps Ethernet

10 Gbps Ethernet

Ethernet, unknown speed

10 Gbps Infiniband

20 Gbps Infiniband

40 Gbps Infiniband

Infiniband, unknown speed

Fibre Channel

Don't know

Other (please specify)

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21. For cluster and MPP configurations, please list secondary Interconnect type:

- 10 Mbps or less Ethernet
- 100 Mbps Ethernet
- 1 Gbps Ethernet
- 10 Gbps Ethernet
- Ethernet, unknown speed
- 10 Gbps Infiniband
- 20 Gbps Infiniband
- 40 Gbps Infiniband
- Infiniband, unknown speed
- Fibre Channel
- Don't know
- Not Applicable
- Other (please specify)

22. Accelerator Technology - please answer the following if this system uses accelerator technology:

Supplier name:

Accelerator name/type:

Number in system:

23. Accelerator configuration approach (select one):

- On-node accelerator - accelerators are configured as part of a node
- Independent - accelerators are configured as independent nodes

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24. For Accelerators -- what programming models are you using?

- OpenCL
- CUDA
- DirectX
- My Numerical library handles this for me
- My Compiler does this for me
- I don't know
- Other (please specify)

* 25. Do you have an another installed server system to report on?

- Yes
- No

SERVER #5

Please provide as much of the following information as possible for each of your installed server systems (you will be able to include up to 5 systems - one per page):

1. SYSTEM 5: Vendor and model:

(Use "in-house" for systems configured by internal staff, integrators, or contractors. Use "generic" for systems using commercial off-the-shelf technology with multiple or unknown vendors.)

2. Year acquired:

3. How acquired (direct sales rep, reseller, web):

direct sales rep

reseller

web

don't know

Other (please specify)

4. Last year upgraded:

5. Architecture (SMP, MPP, cluster, blade, etc.):

SMP

MPP

cluster

blade based

vector

Uniprocessor

Other (please specify)

6. On average, how many additional nodes (servers) do you add to your clusters each year?

7. On average, how many nodes (servers) do you replace in your clusters each year?

8. What is the primary Operating system:

- SUSE/OpenSUSE
- Red Hat
- CENT OS
- Other commercial Linux
- Non-commercial Linux
- Windows Server 2000
- Windows Server 2003
- Windows Compute Cluster Server 2003
- Windows HPC Server 2008
- Windows Client (XP, Vista, Windows 7, or older)
- Mac OS X
- AIX
- Solaris
- Irix
- Other (please specify)

9. Number of nodes:

(For SMP or Uni-processor systems set the number of nodes to 1.)

10. For normal use, is this system typically partitioned into smaller logical systems?

- Yes
- No

11. If yes, what is the typical number of partitions or logical systems it is divided into?

12. Processor type (AMD x86-64, Intel x86-64, Power, Sparc, etc.):

13. Number of processors per node:

(NOTE: For questions 14-16, for clustered systems with multiple node types configured, use the predominant node for your responses.)

14. Number of cores per processor:

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15. Amount of memory per node (GB):

16. Amount of local disk per node (GB):

17. Amount of system level direct attached storage in GB

18. Amount of storage allocated to this system on network shared storage system (GB)

19. For cluster and MPP configurations, please list:

Interconnect Supplier (Primary):

Interconnect Supplier (Secondary):

20. For cluster and MPP configurations, please list primary Interconnect type:

10 Mbps or less Ethernet

100 Mbps Ethernet

1 Gbps Ethernet

10 Gbps Ethernet

Ethernet, unknown speed

10 Gbps Infiniband

20 Gbps Infiniband

40 Gbps Infiniband

Infiniband, unknown speed

Fibre Channel

Don't know

Other (please specify)

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21. For cluster and MPP configurations, please list secondary Interconnect type:

- 10 Mbps or less Ethernet
- 100 Mbps Ethernet
- 1 Gbps Ethernet
- 10 Gbps Ethernet
- Ethernet, unknown speed
- 10 Gbps Infiniband
- 20 Gbps Infiniband
- 40 Gbps Infiniband
- Infiniband, unknown speed
- Fibre Channel
- Don't know
- Not Applicable
- Other (please specify)

22. Accelerator Technology - please answer the following if this system uses accelerator technology:

Supplier name:

Accelerator name/type:

Number in system:

23. Accelerator configuration approach (select one):

- On-node accelerator - accelerators are configured as part of a node
- Independent - accelerators are configured as independent nodes

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24. For Accelerators -- what programming models are you using?

- OpenCL
- CUDA
- DirectX
- My Numerical library handles this for me
- My Compiler does this for me
- I don't know
- Other (please specify)

INSTALLED STORAGE SYSTEMS

Please provide as much of the following information as possible for each of your installed storage systems (you will be able to include up to 3 storage systems - one per page):

1. Supplier and model for Storage System #1:

2. Type

NAS

SAN

Hierarchical

Tape library

Don't know

Other (please specify)

3. Year acquired:

4. Maximum amount of data that can be held on the system (GB):

5. Primary network supplier to/from the storage systems:

6. Primary network type to/from the storage systems:

10 Mbps or less Ethernet

100 Mbps Ethernet

1 Gbps Ethernet

10 Gbps Ethernet

Ethernet, unknown speed

10 Gbps Infiniband

20 Gbps Infiniband

40 Gbps Infiniband

Infiniband, unknown speed

Fibre Channel

Don't know

Other (please specify)

7. Storage management software:

8. What percentage of data is stored in

%

Structured

(i.e. database)

form (ex:

SQL,

Oracle,

other

database)

% Semi-structured

file system

form (ex:

NetCDF,

HDFS,

HDF5,

Hbase)

%

Unstructured

file system

form (ex: flat

files)

9. What type of structured storage does this system have (if any)?

- Database (SQL, MySQL, Oracle, DB2)
- Database with cache (e.g. Coherence In-Memory Data GRID , Gigaspaces, Gemstone)
- Parallel Database
- Do not use
- Other (please specify)

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10. Is your organization deploying, considering, or not planning using SSDs for primary storage within the next two years?

Currently Using

Evaluating

Not using

Comments

11. What is the amount of data added to your site's primary storage system per month?

<1 TB

> 1TB < 10TB

>10TB <100TB

>100TB < 1PB

1 PB+

Don't know

12. What is the amount of data removed or archived from your site's primary storage per month?

< 1 TB

> 1TB < 10TB

>10TB <100TB

>100TB < 1PB

1 PB+

Don't know

*** 13. Do you have another installed storage system to report on?**

Yes

No

INSTALLED STORAGE SYSTEM #2

Please provide as much of the following information as possible for each of your installed storage systems (you will be able to include up to 3 storage systems - one per page):

1. Supplier and model for Storage System #2:

2. Type

NAS

SAN

Hierarchical

Tape library

Don't know

Other (please specify)

3. Year acquired:

4. Maximum amount of data that can be held on the system (GB):

5. Primary network supplier to/from the storage systems:

6. Primary network type to/from the storage systems:

10 Mbps or less Ethernet

100 Mbps Ethernet

1 Gbps Ethernet

10 Gbps Ethernet

Ethernet, unknown speed

10 Gbps Infiniband

20 Gbps Infiniband

40 Gbps Infiniband

Infiniband, unknown speed

Fibre Channel

Don't know

Other (please specify)

7. Storage management software:

8. What percentage of data is stored in

%

Structured

(i.e. database)

form (ex:

SQL,

Oracle,

other

database)

% Semi-structured

file system

form (ex:

NetCDF,

HDFS,

HDF5,

Hbase)

%

Unstructured

file system

form (ex: flat

files)

9. What type of structured storage does this system have (if any)?

- Database (SQL, MySQL, Oracle, DB2)
- Database with cache (e.g. Coherence In-Memory Data GRID , Gigaspaces, Gemstone)
- Parallel Database
- Do not use
- Other (please specify)

* 10. Do you have another installed storage system to report on?

Yes

No

INSTALLED STORAGE SYSTEM #3

Please provide as much of the following information as possible for each of your installed storage systems (you will be able to include up to 3 storage systems - one per page):

1. Supplier and model for Storage System #3:

2. Type

NAS

SAN

Hierarchical

Tape library

Don't know

Other (please specify)

3. Year acquired:

4. Maximum amount of data that can be held on the system (GB):

5. Primary network supplier to/from the storage systems:

6. Primary network type to/from the storage systems:

10 Mbps or less Ethernet

100 Mbps Ethernet

1 Gbps Ethernet

10 Gbps Ethernet

Ethernet, unknown speed

10 Gbps Infiniband

20 Gbps Infiniband

40 Gbps Infiniband

Infiniband, unknown speed

Fibre Channel

Don't know

Other (please specify)

7. Storage management software:

8. What percentage of data is stored in

%

Structured

(i.e. database)
form (ex: SQL, Oracle, other database)

% Semi-structured

file system
form (ex: NetCDF, HDFS, HDF5, Hbase)

%

Unstructured
file system
form (ex: flat files)

9. What type of structured storage does this system have (if any)?

- Database (SQL, MySQL, Oracle, DB2)
- Database with cache (e.g. Coherence In-Memory Data GRID , Gigaspaces, Gemstone)
- Parallel Database
- Do not use
- Other (please specify)

LOCAL AREA AND COMPUTER ROOM NETWORKS

Please list as much of the following information as possible for each local area and/or computer room network you currently have installed (you will be able to enter up to 3 networks - one per page):

1. Type

10 Mbps or less Ethernet

100 Mbps Ethernet

1 Gbps Ethernet

10 Gbps Ethernet

Ethernet, unknown speed

10 Gbps Infiniband

20 Gbps Infiniband

40 Gbps Infiniband

Infiniband, unknown speed

Fibre Channel

Don't know

Other (please specify)

2. Primary router supplier for Network #1

3. Primary NIC supplier

4. Aggregate bandwidth:

5. Major purpose (e.g. computer room, campus servers, end-user access, other):

* 6. Do you have another installed network to report on?

Yes

No

LOCAL AREA AND COMPUTER ROOM NETWORK #2

Please list as much of the following information as possible for each local area and/or computer room network you currently have installed (you will be able to enter up to 3 networks - one per page):

1. Type

10 Mbps or less Ethernet

100 Mbps Ethernet

1 Gbps Ethernet

10 Gbps Ethernet

Ethernet, unknown speed

10 Gbps Infiniband

20 Gbps Infiniband

40 Gbps Infiniband

Infiniband, unknown speed

Fibre Channel

Don't know

Other (please specify)

2. Primary router supplier for Network #2

3. Primary NIC supplier

4. Aggregate bandwidth:

5. Major purpose (e.g. computer room, campus servers, end-user access, other):

* 6. Do you have another installed network to report on?

Yes

No

LOCAL AREA AND COMPUTER ROOM NETWORK #3

Please list as much of the following information as possible for each local area and/or computer room network you currently have installed (you will be able to enter up to 3 networks - one per page):

1. Type

10 Mbps or less Ethernet

100 Mbps Ethernet

1 Gbps Ethernet

10 Gbps Ethernet

Ethernet, unknown speed

10 Gbps Infiniband

20 Gbps Infiniband

40 Gbps Infiniband

Infiniband, unknown speed

Fibre Channel

Don't know

Other (please specify)

2. Primary router supplier for Network #3

3. Primary NIC supplier

4. Aggregate bandwidth:

5. Major purpose (e.g. computer room, campus servers, end-user access, other):

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MIDDLEWARE AND UTILITIES

Please list the primary middleware and utilities packages in use at your facility. Packages in this category are system-level software not included as part of the operating system, ranging from load balancing and batch queue management utilities, to compilers, debuggers, and parallel programming environments. For packages developed in-house, enter supplier as "In-house". For packages obtained from open source organizations, enter the organization or "Open source" for the supplier.

1. Middleware and Utilities Package # 1

Supplier

Package Name

Type/Primary Use

2. Middleware and Utilities Package # 2

Supplier

Package Name

Type/Primary Use

3. Middleware and Utilities Package # 3

Supplier

Package Name

Type/Primary Use

4. Middleware and Utilities Package # 4

Supplier

Package Name

Type/Primary Use

5. Middleware and Utilities Package # 5

Supplier

Package Name

Type/Primary Use

APPLICATIONS SOFTWARE PACKAGES

Please list the primary applications software packages in use at your facility. For packages developed in-house, enter supplier as "In-house". For packages obtained from open source organizations, enter the organization or "Open source" for the supplier.

1. Applications Software Package # 1

Supplier

Package Name

Type/Primary Use

2. Applications Software Package # 2

Supplier

Package Name

Type/Primary Use

3. Applications Software Package # 3

Supplier

Package Name

Type/Primary Use

4. Applications Software Package # 4

Supplier

Package Name

Type/Primary Use

5. Applications Software Package # 5

Supplier

Package Name

Type/Primary Use

Visualization

**1. Which of the following types of graphics and visualization do you employ with your HPC applications?
Check all that apply.**

- No visualization usage
- Pre-process design, such as CAD/CAM, on individual PCs or workstations
- Post-process analysis rendered on individual PCs or workstations
- Post-process analysis rendered on scalable graphics servers
- Intra-process visualization for computational steering, what-if analysis, etc., rendered by the HPC/graphics server
- Remote visualization: graphics rendered on a scalable platform and served to remote clients
- Multi-user visualization: multiple users viewing or interacting with the same visualization simultaneously
- Immersive visualization: users viewing simulations through large-scale, immersive environments, such as rooms, walls, cubes, power desks, or virtual reality glasses

ORGANIZATION

Select the best description for your organization from the list below, (note, the list is organized by commercial/industrial, government, and academic/not for profit categories).

1. Commercial/Industrial Site

Which of the following best describes your organization/applications? (please select one)

- Biotechnology, biochemistry, pharmaceutical
- Large product manufacturing
- Consumer products manufacturing
- Semiconductors design or manufacturing
- Chemical manufacturing and engineering (e.g., polymers, plastics)
- Medical device manufacturing
- Oil/gas exploration
- Utilities
- Financial services or insurance
- Healthcare
- Entertainment
- Entertainment, digital content creation and distribution, or online gaming
- Other Commercial/Industrial Site (please specify)

2. Government Site

Which of the following best describes your type of organization?

- National research lab
- National military, defense, or homeland security organization
- National agency
- State or local government
- Other government site (please specify)

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3. Academic/Not-For-Profit Research Site

Which of the following best describes your type of organization?

- Public college/university
- Private college/university
- Multi-university consortium
- Not-for-profit research institution
- Other academic/research site (please specify)

BUDGET

1. What is your organization's annual budget for HPC, including servers, software, storage, and services?

- Less than \$50,000
- \$50,000 to \$99,999
- \$100,000 to \$499,999
- \$500,000 to \$999,999
- \$1,000,000 to \$1,999,999
- \$2,000,000 to \$4,999,999
- \$5,000,000 to \$9,999,999
- \$10,000,000 or higher
- Don't know

2. How many employees does your organization have?

- 1-49
- 50-99
- 100-249
- 250-999
- 1,000-4,999
- >5,000

3. (Optional) What is the salary range for your position?

- Under \$50,000
- \$50,000 to \$100,000
- Over \$100,000

Survey Complete

1. Would you like to receive the \$25 Gift Certificate?

Yes (please note that you must provide an email address on the next page to receive your gift certificate)

No

InterSect360 Research 2010 Site Census

Contact Information

You have completed the survey. All personal information provided will be kept confidential. Thank you for your participation!

1. Please enter your contact information, (an email address is necessary to receive the gift certificate. Please note only qualified respondents who take the full survey will receive the gift certificate.):

Name:	<input type="text"/>
Title:	<input type="text"/>
Organization:	<input type="text"/>
Address:	<input type="text"/>
City/Town:	<input type="text"/>
State/Province:	<input type="text"/>
ZIP/Postal Code:	<input type="text"/>
Country:	<input type="text"/>
Primary/Secondary	<input type="text"/>
Email Address:	<input type="text"/>
Phone Number:	<input type="text"/>

Thank You

Thank you and redirect

Thank you for your responses to this survey. Please note that only respondents who qualified to take the long form survey and correctly filled in their contact information are eligible for gift cards. You will now be redirected to InterSect360 website which provides executive summaries from some of the past studies. You will now be redirected to InterSect360 website which provides executive summaries from some of the past studies. Please contact Addison Snell (addison@intersect360.com) or Christopher Willard (chris@intersect360.com) if you have any questions or comments.