

Server Performance Software

Sun Cluster 2.2 Configuration Information

Sun Cluster 2.2 Configuration Information

- Configuring Sun Cluster 2.2 requires more detail than can be provided in this pricebook. Please use:
 - Sun Cluster 2.2 Configuration Guide (SunWIN Token #101249) or Sample Configs: <http://suncluster.eng/support-matrix>
 - SunConfig (configuration generated from scratch or using a sample template).
- The Sun Cluster 2.2 Order Approval Process is listed on the following pages.

Sun Cluster 2.2 Order Approval Process

FAQ's

- I hear there is a tool for service approvals of Cluster orders, and that resellers can now use this tool, is this correct?
 - Yes, an automated web-based tool, SCOPE-Tool, is the Cluster order approval process. Details are listed below.
- Do I need to receive configuration approval before entering SCOPE-Tool for order approval?
 - No formal configuration approvals are necessary; the responsibility rests with the sales team to generate a configuration with which they feel comfortable. You can use SunConfig, the Configuration Guide and your own knowledge, or use sample configurations. Details are listed below.
- Can I use QuoteMaster to validate a configuration?
 - No, you must use SunConfig to validate a config, then "drop" the validated config into QuoteMaster. There are new processes with SunConfig (different from those with the old ConfigTool) which are described in the SunConfig Notes (Section C) below.

Description of Cluster Order Approval Process

All information on the Cluster Order Approval process can be found at the Sun Enterprise Cluster website, at: <http://suncluster.eng/support-matrix/> (or reseller homepage <http://reseller.sun.com/products/clusters/>).

For Sun Cluster 2.2 software, both Resellers and Sun Sales must go through the automated Order Approval process, completing Steps A and B below. The SunConfig Notes (Section C) documents important CHANGES (from the old ConfigTool) on: SunConfig's supported Cluster topologies, making changes to sample configs, and using SunConfig.

NOTE: This process does not include E10000 clustered systems For E10000 Cluster systems, please use the E10000 Sales Desk Process website: <http://sales-desk.west/e10k.html> (or send email to bsd_sales_desk@oregon.west.sun.com).

A. Determine valid configuration for a Cluster and generate Sales Quote

Responsibility for generating a valid configuration rests with the Sales Team. NO FORMAL APPROVAL OF YOUR CONFIGURATION IS REQUIRED -- USE ONE OF THE THREE METHODS BELOW TO VERIFY THE VALIDITY OF THE CONFIGURATION, then generate a Sales Quote. To order the Cluster, proceed to Step B.

Configuration Validation Methods:

1. Generate valid config or use sample config with SunConfig (see SunConfig Notes (Section C), for important changes from the old ConfigTool cluster process).

NOTE: Sun Cluster configs must be checked/validated in SunConfig and then "dropped" into QuoteTool/QuoteMaster, not the other way around (QuoteMaster does not support checking Cluster configs).

 - a. Allow SunConfig to complete a valid configuration.

Enter the part numbers and quantities for the components of the configuration which you know you want (e.g., desired servers, storage, and software agent such as High Availability Netscape), then allow SunConfig to complete the remaining necessary components for that configuration (select "Action", "Complete Config").
 - b. Generate your own Cluster configuration and check it using SunConfig. (See details in SunConfig Notes (Section C), for important changes from the old ConfigTool Cluster process.)
 - c. Use a sample, pre-validated configuration file previously generated by SunConfig. (See details in SunConfig Notes (Section C), for important changes from the old ConfigTool Cluster process.)
2. Use a sample, pre-validated configuration from the Sun Enterprise Cluster website <http://suncluster.eng/support-matrix/> (samples are also in the back of the Configuration Guide).
3. Generate valid config using Configuration Guide and your own knowledge.

Sun Cluster 2.2 Order Approval Process *(continued)*

B. Order the Cluster, get approval, and remove the B-hold

1. Getting approval for a Cluster order.

Go to the new web-based cluster approval tool, named SCOPE-Tool:

- Internal (Sun Field): <http://scope.central/>

- Reseller:

reseller.sun.com/rscope/index.html (Americas Mirror server)

reseller.eu.sun.com/rscope/index.html (European Mirror server)

reseller.sun.com.sg/rscope/index.html (Singapore Mirror server)

- For assistance with the approval process, email SCOPE-Tool's web admin: cluster-sales@sun.com

- Reseller orders should read the instructions (similar to those below) at the above reseller URLs.

- For internal orders, the Sales SE initiates the SCOPE-Tool approval process. The Enterprise Services ASSE/SSE supplements and finalizes technical issues. The Enterprise Service Enterprise CSM/ACSD completes the service and readiness portion.

- In SCOPE-Tool, you will be prompted to complete on-line checklists (such as the Technical Checklist and the CSM/ACSD Checklist) required for Service approval, to provide the Oracle Sales Order Number (not the Purchase Order number, Quote number, Manufacturing Pro number, or any other number), and to identify which of the 3 methods discussed above you have used to verify the validity of your Cluster configuration. Instructions and examples for using SCOPE-Tool are also at the URL. In your browser, cookies must be turned on (select "Edit", "Preferences", "Advanced").

- SCOPE-Tool allows you to save partially completed information, so that others may access the saved information in order to complete the remaining information. Once completed, the CSM/ACSD will hit the "Submit" button in SCOPE-Tool and the order will be reviewed for automatic approval or manual approval. Any problems with the order will activate certain triggers built into SCOPE-Tool which will notify the relevant field representatives and the relevant people in Corporate in order to rectify the problem and get the order approved. Otherwise, approval is immediate, via email notification to the CSR and other relevant parties.

2. CSR/Order Admin removes the B-Hold to schedule delivery.

- SCOPE-Tool will automatically send an email to the CSR/Order Admin, the defined field representatives, and the relevant people in Corporate, providing notification that the order is approved. The CSR/Order Admin must then lift the B-Hold on the Oracle Sales Order number so that delivery is scheduled on the order.

C. SunConfig Notes

QuoteMaster does NOT validate configs, SunConfig does.

- Sun Cluster configs must be checked/validated in SunConfig and then "dropped" into QuoteTool/QuoteMaster, not the other way around (QuoteMaster does not support checking Cluster configs). From SalesDesk, select SunConfig. Per the below instructions, you may either build a Cluster from scratch or use a template/sample.

Build a Cluster from scratch:

- Begin building the config, using the rules in the Sun Cluster Configuration Guide. A partial config can be completed by selecting "Action", "Complete Config". The Sun Cluster Configuration Guide is at: <http://suncluster.eng/support-matrix> (link to Product Info).

1. Start by selecting the correct "Family" (for Clusters, not standalone servers). Select "Family", "New System", "SunCluster...".
2. Select configuration setup screen
3. Select number of nodes and type of server.
4. Select type of private interconnect.
5. Build each node.

Sun Cluster 2.2 Order Approval Process *(continued)*

C. SunConfig Notes *(continued)*

6. Add Shared storage between nodes. Select "Configuration Setup" screen, "Sharable Parts". (Note: only shared storage is supported in SunConfig now; other sharable parts should not be placed in the shared parts section.)
7. Check each node separately ("Action", "Check Node") or the entire configuration ("Action", "Check Configuration"). Pay close attention to the "Pass", "Warning" or "Fail" messages.

Use or add to a Pre-validated Cluster Template (Sample Config).

1. Start by selecting the correct "Family" (for Clusters, not standalone servers). Select "Family", "New System", "SunCluster...".
2. Select number of nodes and type of server.
3. Load the template/sample. Select "File", "Load Configuration Template".
4. Select a Product Family and server type, then hit "OK" to load.
5. Add to or adjust the template sample parts as needed. The templates/samples were generated based on the rules in the Sun Cluster Configuration Guide at: <http://continent.corp/clusters/> (link to Product Info).
6. Check each node separately ("Action", "Check Node") or the entire configuration ("Action", "Check Configuration"). Pay close attention to the "Pass", "Warning" or "Fail" messages.

Sun Cluster 2.2

Description	Order Number
Sun Cluster 2.2 Media and Documentation (order one per Cluster)	
SC 2.2 s/w English, Docs English requires separate license purchase * This is SC 2.2 4/00 Release * This is the Base Pack	CL1MS-229-9999
Sun Cluster 2.2 Base Software, License only (one per server node, also need to order no charge software/docs kit above)	
Sun Cluster 2.2 license ONLY Sun Enterprise 2	CL2IS-229-9999
Sun Cluster 2.2 license ONLY Sun Enterprise 250	CL3IS-229-9999
Sun Cluster 2.2 license ONLY Sun Enterprise 450	CL4IS-229-9999
Sun Cluster 2.2 license ONLY Enterprise 3000, 3500, SS1000E	CL5IS-229-9999
Sun Cluster 2.2 license ONLY Enterprise 4000-5000, 4500-5500, SC2000E	CL6IS-229-9999
Sun Cluster 2.2 license ONLY Enterprise 6000, 6500	CL7IS-229-9999
Sun Cluster 2.2 license ONLY (x8) Enterprise 10000	CL0VS-229-9999
Sun Cluster 2.2 license ONLY for Netra t 1120/1125 server	CLTIS-229-9999
Sun Cluster 2.2 license ONLY Sun Enterprise E220R	CLRIS-229-9999
Sun Cluster 2.2 license ONLY Sun Enterprise E420R	CLQIS-229-9999
Sun Cluster 2.2 license ONLY Netra t1	CLFIS-229-9999
Sun Cluster 2.2 license ONLY Netra t 1400/1405	CLGIS-229-9999
Sun Cluster 2.2 Agents. License only (one per server node, also need to order no charge software/docs kit above)	
Sun Cluster 2.2 Netscape HA Agent	CLAIS-22N-9999
Sun Cluster 2.2 Netscape HA Agent for E10000 license ONLY (x8)	CLDVS-22N-9999
Sun Cluster 2.2 SYBASE HA AGENT license ONLY	CLAIS-22Y-9999
Sun Cluster 2.2 SYBASE HA AGENT for Sun Enterprise 10000 license ONLY (8x)	CLDVS-22Y-9999
Sun Cluster 2.2 INFORMIX HA AGENT license ONLY	CLAIS-22I-9999
Sun Cluster 2.2 INFORMIX HA AGENT for Sun Enterprise 10000 license ONLY (8x)	CLDVS-22I-9999
Sun Cluster 2.2 ORACLE HA AGENT license ONLY	CLAIS-22O-9999
Sun Cluster 2.2 Oracle HA Agent for Sun Enterprise 10000 licens ONLY (8x)	CLDVS-22O-9999
SC2.2 LOTUS NOTES HA Agent license ONLY	CLAIS-22L-9999
SC2.2 LOTUS NOTES HA AGENT for Sun Enterprise 10000 license ONLY (8x)	CLDVS-22L-9999
Sun Cluster 2.2 TIVOLI HA AGENT license ONLY	CLAIS-22T-9999
Sun Cluster 2.2 TIVOLI HA AGENT for Sun Enterprise 10000 license ONLY (8x)	CLDVS-22T-9999

Note: IBM DB2 (both failover and parallel) on Sun Cluster 2.1 is sold and supported by IBM.

Sun Cluster 2.2 (continued)

Description	Order Number
Sun Cluster 2.2 HA Agent License for SAP	
Sun Cluster 2.2 SAP HA AGENT Enterprise 1, 2, 250, 450, 3000 3500, SS1000E, Netra t 1120/1125 license ONLY	CLBIS-22S-9999 ^{1,2}
Sun Cluster 2.2 SAP HA Agent for Enterprise Server, 4000-6000, 4500-6500, SC2000E license ONLY	CLCIS-22S-9999 ¹
Sun Cluster 2.2 SAP R/3 HA Agent Sun Enterprise 10000 license ONLY (8x)	CLDVS-22S-9999 ¹
<i>Note: IBM DB2 (both failover and parallel) on Sun Cluster 2.1 is sold and supported by IBM.</i>	
Sun Cluster 2.2 Agent License for Oracle Parallel Server	
Sun Cluster 2.2 Oracle Parallel Server Agent for Enterprise Server 1, 2, 250, 450, 3000, 3500, SS1000E Netra t 1120/1125 license ONLY	CLBIS-22P-9999 ³
Sun Cluster 2.2 Oracle Parallel Server Agent for Enterprise Server 4000-6000, 4500-6500, SC2000E license ONLY	CLCIS-22P-9999
Sun Cluster 2.2 Oracle Parallel Server Agent for Sun Enterprise 10000 license ONLY (8x)	CLDVS-22P-9999
Sun Cluster 2.2 Agent License for Informix XPS	
Sun Cluster 2.2 Informix XPS Agent Enterprise Server 1, 2, 450, 3000, 3500, SS1000E, Netra t 1120/1125 license ONLY	CLBIS-22X-9999
Sun Cluster 2.2 Informix XPS Agent for Enterprise Server 4000-6000, 4500-6500, SC2000E license ONLY	CLCIS-22X-9999
Sun Cluster 2.2 Informix XPS Agent for Sun Enterprise 10000 license ONLY (8x)	CLDVS-22X-9999

Footnotes

1. The planning and installation package does not include installation of SAP HA Agent. The customer will have to contract separately with Sun Professional Services to get this agent installed and configured.
2. SAP agent targeted to be qualified on E220R and E420R in Q4FY00. SAP agent currently not available on Netra t1 and Netra 140x.
3. OPS agent targeted to be qualified on E220R and E420R in Q4FY00. OPS agent currently not available on Netra t1 and Netra 140x.

Sun Cluster 2.2 *(continued)*

Description	Order Number
Sun Cluster 2.2 Options	
SBus Options	
Sun Cluster 2.1 SCI switch (4-port) w/bracket for rack mounting	X3876A
Sun Cluster 2.1 SCI/SBus board/adaptor	X1073A
Sun Cluster 2.1 SCI Cable (2m)	X3826A
Sun Cluster 2.1 SCI Cable (5m)	X3828A
Sun Cluster 2.1 SCI Cable (10m)	X3825A
PCI Options	
Cluster interconnect SCI/PCI adapter Dolphin D320	X1074A
Cluster 4 port PCI switch Dolphin model D515	X3895A
Cluster interconnect PCI Cable 2m	X3901A
Cluster interconnect PCI Cable 5m	X3902A
Clust. interconnect PCI Cable 7.5m	X3903A
Other Options	
5 meter Serial Cable	X3836A
5 meter Null Ethernet Cable	X3837A
Terminal concentrator mounting bracket for E5000 & E6000	X1311A
Sun Enterprise Cluster Terminal Concentrator Kit w/ 3 Long serial cables, 5 meters	X1312A
6-meter differential SCSI Cable	X3838A
8-meter Differential SCSI Cable	X3839A
Sun Cluster 2.1 SCI Cable bracket for rack mounting in an E5000 or E6000 series rack	X3829A
Sun Cluster 2.2 Documentation	
Sun Cluster 2.2 4/00 Release Documentation set - ENGLISH	CL1DS-229-9999

Sun HPC ClusterTools

Description	Order Number
Sun HPC ClusterTools 3.1 Software ONLY (Supported ONLY with Solaris 2.6, Solaris 7 and Solaris 8)	
Sun HPC ClusterTools 3.1 package media and documentation for one RTU floating node license: CRE (Cluster Runtime Environment) Sun MPI, Sun PFS (Parallel File System), Prism, S3L (Sun Scalable Scientific Subroutine Library), CCM (Cluster Console Manager), SMA (Switch Management Agent).	HPCIS-310-9999 ¹
Sun HPC Installation Service, including site preparation and on-site installation, for Sun HPC ClusterTools Software on Sun server platforms.	HPC-INSTALL
Sun HPC Installation Service, including site preparation and on-site installation, for Sun HPC ClusterTools Software on HPC 10000.	HPC-INSTALL-E10000 ²

Footnotes

1. One (1) RTU license is required per node. A node is an individual system (or domain). Licenses are floating node and may be used by different nodes, but not at the same time.
2. When ordered for Enterprise 10000, HPC-INSTALL-E10000 is included at no charge.