

Veritas Cluster Server Syllabus

1. Getting acquainted with Clustering
 - 1.1. What is a cluster?
 - 1.2. What is a VCS cluster?
 - 1.3. Detecting Failure
 - 1.4. Switchover and failover
2. Understanding cluster components
 - 2.1. *Resources*
 - 2.1.1. Resource dependencies
 - 2.1.2. Resource categories
 - 2.2. *Service groups*
 - 2.2.1. Types of service groups
 - 2.2.2. The cluster service group
 - 2.3. *Agents*
 - 2.3.1. The agent framework
 - 2.3.2. Agent Operators
 - 2.3.3. Agent Classifications
 - 2.4. *Attributes*
 - 2.4.1. Attribute data types
 - 2.4.2. Attribute dimensions
 - 2.4.3. Types of attributes
 - 2.4.4. Keywords/reserved words
3. Cluster control, communication and membership
 - 3.1. High-Availability daemon (HAD)
 - 3.2. Low latency transport (LLT)
 - 3.3. Group membership service/atomic broadcast (GAB)
 - 3.4. Inter-node communication
 - 3.5. Intra-node communication
 - 3.6. Low priority link
 - 3.7. Disk heartbeats (GABDISK)
 - 3.8. *Jeopardy*
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 - 3.8.2. Examples of jeopardy and network partitions
4. Configuration Concepts
 - 4.1. The VCS configuration language
 - 4.2. *The main.cf file*
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 - 4.2.2. Cluster definition
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 - 4.2.5. Resource dependency clause
 - 4.3. *The tyes.cf file*
 - 4.4. *Managing the VCS configuration file: the hacf utility*
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- 5.2. The main.cf for a two-node asymmetric NFS cluster
- 5.3. Configuring application service groups using application wizard.
- 6. Cluster topologies
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 - 6.1.2. Symmetric or active/active configuration
 - 6.1.3. N-to-1 configuration
 - 6.2. **Advanced failover configurations**
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 - 8.1. VCS environment variables
 - 8.2. Starting VCS
 - 8.3. **Stopping VCS**
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 - 10.1. Troubleshooting VCS startup
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