

NT Clustering Server Features

	Microsoft Corp. Wolfpack Clustering for Windows NT Server (Beta 2.0)	Octopus Technologies Octopus Server with SASO 2.0	VERITAS Software Corp. FirstWatch 3.0	Vinca Corp. StandbyServer 1.21
Availability	Summer 1997	Now	Now	Now
NOS supported	NT Server 4.0 Enterprise Edition	NT and Windows95	NT Server 3.51 and 4.0	NT Server 3.51 and 4.0
Intel/Alpha hardware support	Both	Both	Intel	Intel
BackOffice-certified	●	●	○	○
Maximum number of nodes	2	No specific technical limit	2	2
Application Support:				
TCP/IP (single or multiple IP addresses)	Both	Single	Both	Both
SMB File and Print (MS Networking)	●	●	● (3.1)	●
MS SQL Server 6.5	●	●	●	●
Oracle for NT	N/A	●	● (3.1)	○
IIS	●	●	●	●
Netscape	●	●	●	●
Lotus Notes	●	●	○	●
MS Exchange	●	Mirroring only	○	●
FTP	●	●	●	●
Remote administration provided	● (runs on NT Workstation or Server only)	●	●	○
Type, if provided	Command line or GUI	GUI	Web	N/A
Custom failover scripts can be written	● (DLLs)	● (via command files)	● (via command files)	● (via command files)
Use any NT HCL hardware	Hardware compati- bility list of cluster systems will be made available	●	●	Requires Vinca or Intel 10/100 Rev. B network adapters
Minimum number of interconnects needed	2 (1 network/1 SCSI)	1	4 for asymmetric, 5 for symmetric (2 heartbeat connect- ions, 2-3 network connections)	2 (dedicated, proprietary mirroring link and network connection)
Shared disks or shared nothing	Sharable disk	Both	Sharable	Shared nothing
Alerting Mechanisms Available:				
SNMP traps	○	○	○	○
NT Event Log (local or remote)	●	●	●	●
Run external program	○	●	●	○
E-mail (MAPI/SMTP/other)	○	○	○	○
Pager	○	○	○	○
Automatic or manual failback	Both	Manual	Both	Manual
Resynchronization (automatic or manual)	Automatic	Manual	Both	Manual
Mirror NT system files and registry	Cannot mirror system files but can log changes to parts of registry and resynchronize them during failover	○	○	○
Mirroring technology	Dual-initiated SCSI	Proprietary	Dual-initiated SCSI	NT Disk Mirroring and Proprietary
Node can run programs not failed-over	●	●	●	●
Separate drive required on each node	OS must be on own disk	○	OS must be on own disk	Both recommended

● Yes ○ No

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Multiple 'is alive' communication channels provided	●	●	●	●
Heartbeat options configurable	●	●	●	●
Failover NT permissions on files/directories and shares	●	●	●	●
Client agents needed	○	○	○	○
Active-Active or Active-Standby	Both	Both	Both	Active-Standby
Load-balancing within cluster	Manual	Manual	Manual	○
NT service	●	●	●	●
Fail-back time configurable	●	N/A	○	N/A
List price for two-node configuration (hardware not included)	Included in NT Server Enterprise Edition	\$2,998	\$4,950 (\$1,499 per node)	\$3,999

● Yes ○ No