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Read This First

TruCluster™ Production Server Software Version 1.5

January 1998

Dear TruCluster Production Server Software Customer:

Thank you for your interest in TruCluster Production Server Software Version 1.5 for DIGITAL™ UNIX®.

TruCluster Production Server Software Version 1.5 for DIGITAL UNIX is part of the DIGITAL TruCluster product suite. TruCluster Production Server Software combines the advantages of symmetric multiprocessing, distributed computing, and fault resilience through the Available Server technology. With this software, clusters can be built that offer users high availability, and that achieve high performance, providing scalability beyond the limits of a single system.

The information in this software kit is proprietary to DIGITAL and is offered in confidence, subject to the terms and conditions of your license agreement. This software is for your exclusive use only.

Hardware and Software Requirements

This TruCluster Software Products kit consists of the TruCluster Production Server Software. To use the TruCluster Production Server Software, please note that the following products are required:

- MEMORY CHANNEL hardware (adapters, cables, and/or hubs if necessary). Note that all configurations exceeding two AlphaServers require a MEMORY CHANNEL hub.

- The DIGITAL UNIX Version 4.0D operating system software and the documentation CD-ROMs.

- The TruCluster Production Server Software Version 1.5 and its documentation are located on the Associated Products Volume 2 CD-ROM in this kit.

TruCluster Production Server Software Version 1.5 adds the following new features. The following table lists each feature and points to the specific TruCluster documentation providing more information about that feature:

Feature	For More Information:
Support for AlphaServer 1200 systems.	*Hardware Configuration*
Support for the HSZ70 RAID controller.*	*Hardware Configuration*
Support for tape devices on a shared SCSI bus with server failover for the POLYCENTER™ NetWorker Save and Restore product. This allows a system administrator to configure a single, highly available backup service for each ASE.	*Hardware Configuration, Administration*
Support for up to 8 member systems.	*Hardware Configuration*
Support for failover across MEMORY CHANNEL interconnects in a redundant MEMORY CHANNEL configuration when their adapters are installed on different PCI buses on member systems.	*Hardware Configuration*
Support for multiple active logical rails for applications using the MEMORY CHANNEL application programming interfaces (APIs). Supports failover pair mode operation only.	*Release Notes, MEMORY CHANNEL Application Programming Interfaces*
Other enhancements to the MEMORY CHANNEL API library.	*Release Notes, MEMORY CHANNEL Application Programming Interfaces*
Introduction of persistent resource locking in the distributed lock manager (DLM) to decrease recovery time for database applications.	DLM reference pages
Support for ATM as a client network.	*Hardware Configuration, Administration*
Extensions to the `asemgr` utility to display service and member information from the ASE database.	*Administration,* `asemgr(8)`

Feature	For More Information:
Ability to update a service's LSM or AdvFS storage configuration, as well as other service information in the ASE database without interrupting a service's availability to its clients.	*Administration*
Improved performance of DRD remote read operations as a result of peer-to-peer direct-memory access, in storage configurations in which the storage adapters and MEMORY CHANNEL hardware are on the same PCI segment.	*Administration,* drd_dma(8)
Support for non-ASE member systems in a Production Server cluster.	*Software Installation, Administration*
Extensions to Cluster Monitor.	*Administration*, Cluster Monitor online help
Year 2000 compliance.	The DIGITAL UNIX Year 2000 *Readiness* white paper (in HTML format),which is on the DIGITAL UNIX Documentation Volume 1 CD-ROM

*The HSZ70 controller is only supported for use with a KZPSA adapter.

Please review the TruCluster Software Products *Release Notes* for more information about this release.

Documentation

TruCluster Production Server Software Version 1.5 documentation is available in both hardcopy and online versions. If you wish to have hardcopy documentation with this software and you did not receive it with your kit, you can order it separately with part number QA-3RLAA-GZ. The online documentation is also available on line in HTML format on the Associated Products Volume 2 CD-ROM. The following books are in the documentation set:

- TruCluster Production Server Software *Read This First* (this document)

- TruCluster Software Products *Release Notes*

- TruCluster Software Products *Hardware Configuration*

- TruCluster Software Products *Software Installation*

- TruCluster Software Products *Administration*

- TruCluster Production Server Software *Application Programming Interfaces*

- TruCluster Production Server Software *MEMORY CHANNEL Application Programming Interfaces*

PostScript® and HTML versions of these and additional documents are provided in the following directories on the Associated Products Volume 2 CD-ROM:

- `/TCR/doc/ps`

- `/TCR/doc/html`

Service and Support

If you have any questions regarding the installation or operation of TruCluster Production Server Software, please contact your local DIGITAL sales support office.

Again, thank you for your interest in TruCluster Production Server Software. We hope to continue providing quality software products that contribute to the success of your business.

TruCluster Software Products for DIGITAL UNIX Product Team