

MC/ServiceGuard NFS Toolkit Versions A.11.00.04 and A.11.11.01 Release Notes

HP 9000 Networking



Manufacturing Part Number: B5140-90008

E0601

U.S.A.

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MC/ServiceGuard NFS Toolkit Versions A.11.00.04 and A.11.11.01 Release Note

Announcements

MC/ServiceGuard NFS Toolkit versions A.11.00.04 and A.11.11.01 are minor releases. Read the following sections to learn more about MC/ServiceGuard NFS Toolkit A.11.00.04 and A.11.11.01.

MC/ServiceGuard NFS Toolkit A.11.00.04 is for HP-UX 11.0 only.

MC/ServiceGuard NFS Toolkit A.11.11.1 is for HP-UX 11.11 only.

NOTE You cannot use MC/ServiceGuard NFS for an NFS diskless cluster server.

What's in MC/ServiceGuard NFS Toolkit A.11.00.04 and A.11.11.01

The following is a list of the new features MC/ServiceGuard NFS Toolkit versions A.11.00.04 and A.11.11.01 deliver:

- MC/ServiceGuard NFS Toolkit versions A.11.00.04 and A.11.11.01 can use the same NFS package control script, configuration file, and monitor script.
- MC/ServiceGuard NFS Toolkit version A.11.11.01 allows HP-UX 11.11 users to monitor NFS/TCP services. Learn more about monitoring NFS/TCP services in *Managing MC/ServiceGuard NFS* (B5140-90009).

Known Problems and Workarounds

The following is a list of the known problems and workarounds in MC/ServiceGuard NFS Toolkit A.11.00.04 and A.11.11.01. Each of the following describes a problem and the workaround for each problem. All of the following apply to MC/ServiceGuard NFS Toolkit A.11.00.04 and A.11.11.01

- File locks are not maintained when an NFS server package moves to an adoptive server. Any applications that use file locking must reclaim their locks after an NFS server package fails over. An application that loses its file lock as a result of an NFS package failover will not be notified. If the server is also an NFS client, any file locks it holds will be lost.
- An NFS/TCP client operation receives “NFS server not responding still trying” message while attempting to access the server although the server is up. In this situation, users can increase the default kernel parameter `max_thread_proc` by using SAM on HA servers.
- Performance degradation may occur if manual switching between primary server and adoptive server is done immediately after a failover recovery. After manually moving the NFS package between the primary server and adoptive server, wait at least 10 minutes after the recovery while TCP connections clean, otherwise the client applications hang or take a long time to finish.
- NFS package exported file systems on HA servers are not exported if you restart NFS clients or NFS servers. Manually switch the NFS package to a different HA server before stopping and restarting NFS clients and servers with `nfs.client stop/start` or `nfs.server stop/start`.
- HP recommends not enabling AutoFS on the HA server. Enabling AutoFS on the HA server creates a conflict between AutoFS’s design and the HA solution. Halting NFS packages may fail if actions to stop and restart NFS clients and servers are taken before halting NFS packages. This failure can also occur when restarting the AutoFS daemon on the HA server. If you must enable AutoFS on the HA server, manually switch the NFS package to a different HA server before restarting the AutoFS daemon or before performing any stopping or restarting actions on NFS clients and servers.

Compatibility and Installation Requirements

See *Managing MC/ServiceGuard NFS* (B5140-90009) for more detailed installing and configuring instructions.

MC/ServiceGuard NFS Toolkit A.11.00.04 and A.11.11.01 Software and Patch Requirements

IMPORTANT You cannot use MC/ServiceGuard NFS Toolkit without NFS Services.

HP tested A.11.00.04 on the following patches and software:

- HP-UX 11.0 NFS GR patch PHNE_23249
- MC/ServiceGuard A.11.09
- MC/ServiceGuard cumulative patch PHSS_22683

HP tested A.11.11.01 on the following patches and software:

- HP-UX 11.11 NFS GR patch PHNE_23248
- MC/ServiceGuard A.11.09
- MC/ServiceGuard cumulative patch PHSS_22683

Hardware Requirements

HP tested MC/ServiceGuard Toolkit A.11.00.04 and A.11.11.01 over 4 servers.

Data disks associated with MC/ServiceGuard NFS package must be external disks. All servers that support the MC/ServiceGuard NFS package must have access to the external disks, meaning the disks must be attached to a shared bus connected to all servers supporting the package.

OS Platform and Version Compatibility

MC/ServiceGuard and MC/ServiceGuard NFS Toolkit are available only on HP 9000 series 800 servers.

MC/ServiceGuard NFS Toolkit version A.11.00.04 is supported only on HP-UX 11.0.

MC/ServiceGuard NFS Toolkit version A.11.11.01 is supported only on HP-UX 11.11.

Disk and Memory Requirements

Installing MC/ServiceGuard NFS Toolkit requires 55 Kbytes of disk space.

Related Documentation

- *Managing MC/ServiceGuard NFS (B5140-90009)*

Point your web browser to <http://docs.hp.com> to access HP's entire documentation archive.