

Plasmon UDO FS

Product Release Notes

Release Details

Release Name	Plasmon UDO FS
Release Note Number	RN-13
Release Version	2.1-9
Release Date	19 th September 2008
Release Type	Full
UDO Drive Firmware Version	U06, W05a
Documentation Version	Linux UDO Driver User Guide - Revision E
Supported Platforms	Fedora Core 7 – Kernel 2.6.21-1 (or newer) Red Hat Enterprise Linux Release 5 – kernel 2.6.18-53 (or newer) CentOS Release 5 – kernel 2.6.18 (or newer)

Product Enhancements

New Feature/Enhancement	Description/Benefit
SSMDF File system support	Read only support for the Archive Appliance file system SSMDFS.
64-bit support	Native 64-bit support (new binary)

Bug Fixes in this release

Bug ID	Problem description
15890	Sometimes udomkfs will hang after a low level format has completed
16025	Cannot create a UDF file with a filename of 255 characters
16071	Parent directory time stamps incorrect: mtime, ctime were not updated
16072	Time stamps incorrect: mtime, ctime were not updated when running posix test
16123	'rmdir' did not return correct error code
16562	Failed Low Level format of UDF media
16909	No error message when running udocheck on mounted media
17062	Man page for low level format needs change to sg devices NOT sd devices
17063	man udomount needs to state that we can mount SSMDF file systems as well
17108	Memory allocation errors when doing a directory listing of large no: of folders



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Bug Fixes in previous releases

Bug ID	Problem description
16025	The driver now correctly reports a maximum file name length of 254 characters for UDF.
16061	Writing and renaming a file simultaneously on AFS no longer carries any risk of deadlocking the file system code.
15236 & 15920	The driver now correctly rejects file names longer than 256 characters.
15984	Writing and reading a file simultaneously on AFS no longer carries any risk of data corruption.
15952	Writing several files simultaneously to AFS RW disks no longer carries any risk of data corruption.
15574	When attempting to format a UDO1 disk in a UDO2 drive, udomkfs will set an exit code to indicate an error.
15887	Large files would sometimes be written inefficiently on AFS, leading to slow readback. This is now fixed.
10960	The setuid, setgid and sticky bits are now supported.
15147	Low level format now works on all platforms with all drive and media types.

Known Issues

Issue	Details and Workaround
udofs interferes with the 'umount' of another FUSE filesystem (Bug ID 17038)	The workaround is to use "umount -i /var/tmp/mnt" as suggested in the output of the "umount /var/tmp/mnt" command.
Unable to low level format media after corruption (Bug ID 16565)	When attempting to format media (low level or normal format) after the media is corrupted an error message appears :- <i>Format failed :error 12544</i> Attempting to mount the media that is corrupted results in a segmentation fault. Simple eject the media and retry.
Protection of Memory mapped files does not function (Bug ID 15251)	The mprotect C API to set protection of memory mapping is not support by the UDO file systems.
Error messages in udofs.log when formatting to AFS (Bug ID 16919)	For example messages :- ERROR: AfsObjFindHighestDelta() messages can be safely ignored when the format operation is in operation.



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Sharing a UDO drive over NFS	In order to enable sharing over NFS with Fedora 8 or Red Hat 5 you need to add the option "fsid=0" to /etc/exports for the UDO Drive. For Fedora 6 or 7 you also have to recompile the FUSE kernel module from the source code obtained from the FUSE home page.
General limitations	<p>The following are not supported by UDO or udofs:</p> <ul style="list-style-type: none"> • Non-root mounting - only the root user can run the udomount command. • Various mount options: dev, dirsync, noatime, nodiratime, noexec, nosuid, remount, sync, user, users. • Reformatting of Write Once media. • Device nodes within mounted UDO volumes. • Hard links within mounted UDO volumes.



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