

ReleaseOrder ID:

SCGCQ01042960

Headline:

Linux mpt3sas: Phase12 GCA release

Release Version:

13.00.00.00-1

UCM Project:

LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHASE12.0

UCM Stream:

LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHASE12.0_Dev

Release Type:

GCA

State:

Deployed

Release Baseline:

LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHASE12.0_Dev_2016-03-08@
\\SAS2

Release Date:

01-APR-16

Date Generated:

Apr 15, 2016

Release History

- SCGCQ01029548 - Phase12 : LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHASE12.0
- SCGCQ01011482 - Phase 12 Alpha: LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHAS
- SCGCQ01001379 - Phase12 PA 2: LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHASE1

ReleaseOrder ID:

SCGCQ01029548 [Open In CQWeb](#)

Headline:

Phase12 : LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHASE12.0

Release Version:

12.255.03.00-1

UCM Project:

LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHASE12.0

UCM Stream:

LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHASE12.0_Dev

Release Type:

Beta

State:

Superseded

Release Baseline:

LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHASE12.0_Dev_2016-02-12@
\\SAS2

Release Date:

04-MAR-16

Date Generated:

Apr 15, 2016

Defects Fixed (2):

ID:

SCGCQ01015654

Headline:

Initial Ref Tag is incorrect with 4K sector size drives when PI is enabled for (>=3.18 kernels)

Description Of Change:

Modified driver code to use scsi_prot_ref_tag() instead of scsi_get_lba(), while filling ref tag field if kernel version is >= 3.18

Issue Description:

Issue observed on kernel v3.18 and onwards.
Driver while filling the ref tag field uses "scsi_get_lba()" API.
Send Reads/Writes to native 4K sector drives and check the initial ref tag,which will be 8 times the LBA value in CDB(tested on Fedora22).

Steps To Reproduce:

Issue observed on kernel v3.18 and onwards.
Send Reads/Writes to native 4K sector drives and check the initial ref tag,which will be 8 times the LBA value in CDB.

ID:

SCGCQ01027851

Headline:

Asynchronous completion of timedout IO and task abort of timedout IO.

Description Of Change:

Track msix of each IO and use the same msix for issuing abort to timed out IO. With this driver will process IO's reply first followed by TM.

Issue Description:

Asynchronous completion of timedout IO and task abort of timedout IO.
=====

Track msix of each IO and use the same msix for issuing abort to timed out IO. With this driver will process IO's reply first followed by TM.

Steps To Reproduce:

Issue is seen at least 4 times with the inbox mpt2sas and non-inbox mpt2sas during SAS expander events and error recovery handling.

Steps to Reproduce:

1.System is running
2.System experiences SAS expander hardware events
3.System panics in scsi_dma_unmap

Actual results:

System panics even though issue is not on an O/S required disk

Expected results:

SCSI recovery takes place without a system panic

Enhancements Implemented (1):

ID:

SCGCQ01026842 (Port Of EnhancementRequest SCGCQ00776162)

Headline:

OS not discovering all drives in dual node configuration

Description Of Change:

When the disks are getting discovered and assigned device handles by the kernel, a device block followed by an unblock (due to broadcast primitives) issued by the driver is interspersed by the kernel changing the state of the device. Therefore the unblock by the driver results in a no op within the kernel API.

The enhancement checks the return of the unblock API and performs a block followed by an unblock to unfreeze the block layer's I/O queue. Sufficient checks and prints are also added in the driver to identify this condition caused by the kernel.

ReleaseOrder ID:

SCGCQ01011482 [Open In CQWeb](#)

Headline:

Phase 12 Alpha: LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHAS

Release Version:

12.255.02.00-1

UCM Project:

LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHASE12.0

UCM Stream:

LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHASE12.0_Dev

Release Type:

Alpha

State:

Superseded

Release Baseline:

LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHASE12.0_Dev_2016-01-18.2713@
\\SAS2

Release Date:

16-FEB-16

Date Generated:

Apr 15, 2016

Enhancements Implemented (3):

ID:

SCGCQ01008402

Headline:

Active cable exception handling in mpt3sas driver:

Description Of Change:

Handle active cable exception event in driver for Intruder/Cutlass and print the event. Update MPI folder.

ID: SCGCQ00848132

Headline: UEK R4 OS Support SAS3 PH 12

Description Of Change: Build kit change and Covered minimal dev tests on OEL 6 and OEL 7 with their respective kernel rpms.

ID: SCGCQ00928962

Headline: Oracle OEL 7.2 OS Support MR 6.11, SAS3 Phase 12

Description Of Change: Build kit changes. And, Binary level support of OEL7.2 UEK kernel.

ReleaseOrder ID: SCGCQ01001379 [Open In CQWeb](#)

Headline: Phase12 PA 2: LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHASE1

Release Version: 12.255.01.00-3

UCM Project: LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHASE12.0

UCM Stream: LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHASE12.0_Dev

Release Type: Pre-Alpha

State: Superseded

Release Baseline: baseline:LINUX_RH_SL_OEL_CTX_MPT_GEN3_PHASE12.0_Dev_2015-12-30@
SAS2

Release Date: 16-FEB-16

Date Generated: Apr 15, 2016

Enhancements Implemented (1):

ID: SCGCQ00927252

Headline: Ubuntu 15.10 OS Support (source RPM)-SAS3 Phase 12

Description Of Change: Source rpm support for ubuntu 15.10. Dev test effort with generic source rpm.
