Technical Advisory
Intel® Rapid Storage Technology enterprise for Linux OS Problem Report —

August 2013

Description

Description: When rebuild of IMSM volume is started in OROM, rebuild does not proceed when in the Linux* OS.

Issue: Problem with Intel® RSTe for Linux OS using mdadm version 3.2.6 and earlier.

There are two causes of this issue (details are described in the patches below):

- The mdmon daemon did not write any information about the resync operation in the volume's metadata and did not save volume's checkpoint during expanding the size of a RAID1 or RAID5 volume
- OROM used a different mechanism of moving a RAID volume from a degraded state to a recovery state than the mdadm utility

Corrective Action/Resolution

Two following patches are needed to fix this issue:

- http://git.neil.brown.name/git?p=mdadm.git;a=commit;h=7ce05701813496571e1f7f79c726aa6e4868bd5f
- http://git.neil.brown.name/git?p=mdadm.git;a=commit;h=79b68f1b48b0967da999945e310aef628c9bca4c

Updated mdadm packages that fix two bugs are now available for Red Hat Enterprise Linux 6.4 on RHN:

- http://rhn.redhat.com/errata/RHBA-2013-0861.html

Note: When updating mdadm package the initramfs has to be rebuilt (dracut -f) after having updated mdadm:rpm -U mdadm-3.2.5-4.el6_4.1.x86_64.rpm; dracut -f

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