

Q/R011.1207.6

Firmware Release for BEAST, E-Series and E-Series V Products

Change notes from Q/R011.1207.3

NOTE: - Q/R011.1207.4 was not released externally and R011.1207.5 was released for BEAST only

Release Date: February 5th 2019

Notes

- It is HIGHLY recommended that this version of firmware be loaded to any E-Series V system that is about to be converted to E-Series P
- We recommend that firmware uploads are done only in times of light or no host activity, and are performed via the web interface only. Uploading firmware during busy times may result in host timeout errors.

Recovery firmware build

- Q011.1007 is the current recovery build.

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New Features in Version R011.1207.6

Description
None

Bug fixes in Version R011.1207.6

Description	Reference
<p><u>VAAI</u></p> <ul style="list-style-type: none"> Fix I/O stall which could occur when WRITE COMPARE requests were sent to a migrating volume Fix I/O stall which could occur when EXTENDED_COPY requests were sent to a migrating volume Ensure enabling ODX option doesn't disable VAAI (regression in x011.1207.3) 	<p>47074, 47087, 47275 Bug 1477, 1485, 1487 ESS-182</p>
<p><u>10GE/1GE iSCSI</u></p> <ul style="list-style-type: none"> 10GE: Improvements to mailbox interrupt servicing. Observed on E-series P but added here as well. 10GE: Fix exception in task abort processing and potential memory leak. 10GE: Change to further eliminate stuck IO caused by LUN Resets in loaded scenario. Correctly render the failure of iSCSI initiator loading table 	<p>45742, 45473, 45489, 45929 Bug 1371, 1372, 1385 ESS-236 ESS-234</p>
<p><u>Disk changes</u></p> <ul style="list-style-type: none"> Allow fail disk to work during production stress test Serialise array create / encrypt array to ensure actions always happen in the correct order. Prevent unnecessarily disk failure if the device required reinitialisation during a write-zero operation Ensure only supported log pages are queried. Add support for WD drives with model name beginning "WUH" 	<p>46439, 47249, 47130 Bug 1491 DQ-19</p>
<p><u>Expansion</u></p> <ul style="list-style-type: none"> Ensure arrays in expansion systems failback when the second controller comes online. 	<p>47205 ESS-373</p>
<p><u>Replication</u></p> <ul style="list-style-type: none"> Remove LUN mapping from source volume before turning it into a replica following a 'reverse' operation. 	<p>47099</p>
<p><u>AC Fail</u></p> <ul style="list-style-type: none"> Prevent potential long timeout if an AC fail event occurs whilst replaying a cache backup to disk. 	<p>47077</p>
<p><u>Environmental/UI Fixes</u></p> <ul style="list-style-type: none"> Inappropriate 1V2 lower limit due to sensor resolution on controller card. Allow C1 voltages to be displayed in the event log even when C0 isn't running. Fix bug where single controller mode shows errors for expansion on the main page Display correct messages when an expansion controller is offline 	<p>46690, 47081, 45533, 45779 Bug 1388, 1436 ESS-251 ESS-276 ESS-328</p>
<p><u>NMP</u></p> <p>SETOPT / settings file password handling changes: -</p> <ul style="list-style-type: none"> Do not allow zero length passwords to be configured Automatically enable ADMIN/USER account if password is set Automatically disable ADMIN/USER account if password is set to an empty string 	<p>46645</p>
<p><u>Networking fixes</u></p>	<p>46399</p>

<ul style="list-style-type: none"> Fix bug in network timers which could cause iSCSI stalls in a busy environment 	ESS-362
<p>Disk changes</p> <ul style="list-style-type: none"> Fixed SSD/NL-SAS disks being incorrectly added to the SAS pool when changing owner or leaving MAID 4 Ensure all disks are out of MAID before generating or uploading disk signatures Disable MAID 4 support for Seagate 1200.2 Koho SSDs (slow time-to-ready after power up) Prevent a crash when disk controller runs out of resources 	46330, 46608, 46693, 46694, 46699, 46792, 46818 Bug 102 DQ-2
<p>Other</p> <ul style="list-style-type: none"> Fix a timing hole in failover detection that could lead to failed controllers being reported momentarily as still running. 	46315 Bug 1320

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