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1  =====
2  R E L E A S E      N O T E S
3  =====
4
5  QLogic qedf VMware ESX Native Driver for ESXi6.7
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8
9  Version: 2.2.4.0
10 =====
11 Enhancements:
12 -----
13 - Update to qed-8.50.18.0 with storm fw 8.50.12.0
14
15 Fixes:
16 -----
17
18 * [CQ107953] : Fix PSOD during DDV test. (Failure during qed_debugfs cleanup).
19
20 Resolution : Correctly cleanup debugfs registrations.
21 Scope      : 45000/41000 Series Adapters
22
23
24 * [CQ106007] : Fix for Poor performance with storage vmotion between HDS storage
25 array
26
27 Resolution : Hounor the FCP's scsi_status_code.
28 Scope      : 45000/41000 Series Adapters
29
30
31 * [CQ108096/108072/107973]: Fix for PSOD during module unload..
32
33 Resolution : For PLOGI rejects response, retry it immediately.
34 Scope      : 45000/41000 Series Adapters
35
36
37 * [CQ108165] : Failure in FCoE target login and discovery.
38
39 Resolution : Fix is to calculate vlan header length only
40 if present.
41 Scope      : 45000/41000 Series Adapters
42
43
44 Version: 2.2.3.0
45 =====
46 Enhancements:
47 -----
48
49 - Update to qed-8.50.15.0 with storm fw 8.50.12.0
50
51 Fixes:
52 -----
53
54 * [CQ107953] : Fix PSOD during DDV test. (Failure during qed_debugfs cleanup).
55
56 Resolution : Correctly cleanup debugfs registrations.
57 Scope      : 45000/41000 Series Adapters
58
59
60 * [CQ106877]: ESX server reboot cause storage performance issue.
61
62 Resolution : Implement coalescing of targets for scsi scan
63
64
65 Version: 2.2.2.0
66 =====
67 Enhancements:
68 -----
69
70 - Update to qed-8.50.13.0 with storm fw 8.50.10.0
71
72 Fixes:
73 -----
74
75 [CQ107695]: Fix for PSOD with FCoE+RDMA.
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69
70 Version: 2.2.1.0
71 =====
72 Enhancements:
73 -----
74 - Update to qed-8.50.12.0 with storm fw 8.50.10.0
75 - Add SAM-4 support.
76
77 Fixes:
78 -----
79     [CQ107660] : Fix for Device State Change TC.
80
81     Resolution : Correctly freeing all resources in detachDevice and
82     quiesceDevice.
83     Scope      : 45000/41000 Series Adapters
84
85
86 Version: 2.2.0.0
87 =====
88 Enhancements:
89 -----
90 - Update to qed-8.50.11.0 with storm fw 8.42.4.0
91
92 Fixes:
93 -----
94
95
96
97 Version: 2.1.6.0
98 =====
99 Enhancements:
100 -----
101 - Update to qed-8.42.9.0 with storm fw 8.42.3.0
102
103 Fixes:
104 -----
105 * [CQ107442] : Logs are flooded with fip timeout messages.
106
107 Resolution : Change default debug level for ql_fcoe_mgmt to 0.
108 Scope      : 45000/41000 Series Adapters
109
110 Version: 2.1.5.0
111 =====
112 Enhancements:
113 -----
114 - Update to qed-8.42.8.0 with storm fw 8.42.1.0
115
116 Fixes:
117 -----
118     CQ107053: PSOD during module unload.
119     Resolution : Need to unregister the InstanceCallbacks and
120                 Freed the spin lockresources for dbg_data_lock.
121     Scope      : 45000/41000 Series Adapters
122
123
124 Version: 2.1.4.0
125 =====
126 Enhancements:
127 -----
128 - Update to qed-8.42.4.0 with storm fw 8.42.1.0
129
130 Fixes:
131 -----
132
133
134
135 Version: 2.1.3.0
136 =====
137 Enhancements:
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138 -----
139
140 Fixes:
141 -----
142
143 * [CQ106730] : Fix for PSOD during Ethernet shut/noshut.
144
145     Resolution : Check return status while getting reference for the session.
146     Scope      : 45000/41000 Series Adapters
147
148 * [CQ106824] : Added logic to retry when resource allocation failed.
149
150 Version: 2.1.2.0
151 =====
152 Enhancements:
153 -----
154 - Update to qed-8.42.2.0 with storm fw 8.42.0.0
155
156 Fixes:
157 -----
158 * [CQ106293] : VM lockup unexpected when it power on with NPIV
159
160     Resolution : Exit from scsi_scan world, after iterate through all the rport,
161                  when death_pending was set.
162     Scope      : 45000/41000 Series Adapters
163
164
165 Version: 2.1.1.0
166 =====
167 Enhancements:
168 -----
169 - Update to qed-8.42.0.0 with storm fw 8.40.32.0
170
171 Fixes:
172 -----
173 * [CQ105917] : Explicit Logo and Logo from target race.
174
175     Resolution : Do not initiate expl logo if logo is in progress.
176     Scope      : 45000/41000 Series Adapters
177
178
179 Version: 1.4.3.0
180 =====
181 Enhancements:
182 -----
183 - Update to qed-8.42.0.0 with storm fw 8.40.32.0
184
185 Fixes:
186 -----
187
188
189
190 Version: 1.4.2.0
191 =====
192 Enhancements:
193 -----
194 - Update to qed-8.40.26.0 with storm fw 8.40.32.0
195
196 Fixes:
197 -----
198
199
200
201 Version: 1.4.1.0
202 =====
203 Enhancements:
204 -----
205     Modify qed_debug.c as per ESX requirments.
206     Minor corrections in qed_tests.c and qed_tests.h
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207
208 Version: 2.0.16.0
209 =====
210 Enhancements:
211 -----
212 - Implement a mechanism to track I/Os.
213
214 Fixes:
215 -----
216 * [CQ105850] : PSOD observed during VC Uplink Toggle Test
217
218 Resolution : Cancel I/O timer when initiating abort from Virtual
219 Reset Context.
220 Scope      : 45000/41000 Series Adapters
221
222 * [CQ105402]: Incorrect link status for fcoe after parity error.
223
224 * [CQ105906]: PSOD during IOVP load unload TC.
225
226 * [CQ106097] : APD during profile connection add/remove test
227 Resolution : Correctly drop the reference for the session.
228
229
230 Version: 2.0.15.0
231 =====
232 Enhancements:
233 -----
234 - Implement a mechanism to track I/Os.
235
236 Fixes:
237 -----
238 * [CQ105468] : System crashes due to un-freed I/O req.
239
240 Resolution : Make ABTS completion more resilient.
241 Scope      : 45000/41000 Series Adapters
242
243
244 * [CQ105242]: Fix for PSOD during Device state Change Test.
245 Resolution: Remove func->list from the qfc_adapter->funcs list, before freeing it.
246 Scope      : 45000/41000 Series Adapters
247
248
249 * [CQ105386] : FIX for PSOD encountered during CNA Profile Fabric Add/Remove.
250 Resolution : Dropped the unsolicited packet for the non offloaded roport.
251 Scope      : 45000/41000 Series Adapters
252
253
254 * [CQ105240]: Quagmire2:FCoE:Adapter description displays unsupported 10Gbe
255 interface
256
257 Version: 2.0.14.0
258 =====
259 Enhancements:
260 -----
261
262 Fixes:
263 -----
264 * [CQ105121/CQ105217]: PSOD seen on target/bus reset.
265 Resolution : Make tgt_lock granular and use only when changing rport state
266 or setting/writing rport queue count.
267 Scope      : 45000/41000 Series Adapters
268
269 Version: 2.0.13.0
270 =====
271 Enhancements:
272 -----
273 - Update to qed-8.38.3.0 with storm fw 8.38.0.0
274 [CQ105262]: Description string for qedf involves QLogic NetExtreme II.
275

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276
277 Fixes:
278 -----
279
280 * [CQ105190/105190] : Unable to unload Qedf driver.
281     Resolution : Fixed memory leak in qedfc_vport_create_from_nvram.
282     Scope      : 45000/41000 Series Adapters
283
284
285 * [CQ105393] : Incorrect module license displayed.
286
287     Resolution : Correct module license to "QLogic_Proprietary" in scon file.
288     Scope      : 45000/41000 Series Adapters
289
290 *[CQ105204]: Fix for PSOD is because of driver heap not freed..
291     Resolution : Fix the memory leak.
292     Scope      : 45000/41000 Series Adapters
293
294
295
296 Version: 2.0.12.0
297 =====
298 -Bump up driver version for the new bundle.
299
300
301 Version: 2.0.11.0
302 =====
303 Enhancements:
304 -----
305 - Update to qed-8.38.2.0 with storm fw 8.38.0.0
306
307 Fixes:
308 -----
309     * [CQ105070] : Pause flood observed during uplink toggle test.
310
311     Resolution : Cleanup I/Os waiting for ox_id retire during flush.
312     Scope      : 45000/41000 Series Adapters
313
314
315 Version: 2.0.10.0
316 =====
317 Enhancements:
318 -----
319 - Update to qed-8.38.1.0 with storm fw 8.37.10.0
320
321 Fixes:
322 -----
323 * [CQ104938]: Fix for PSOD in idle state.
324
325 Resolution : Release lock while waiting for rport to offloaded.
326 Scope      : 45000/41000 Series Adapters
327
328
329 * [CQ105071]: I/O failure observed on backlink toggle.
330 Resolution: Correctly release fabric reference in get_protocol_tlv_data api.
331 Scope      : 45000/41000 Series Adapters
332
333 * [CQ104597]: FCoE link speed shows 0.
334 Resolution : Added support for 50Gb speed.
335 Scope      : 45000/41000 Series Adapters
336
337 * [CQ104899]: FCoE not working during runtime in VMware using UFP
338 Resolution : Set correct priority in plogi.
339 Scope      : 45000/41000 Series Adapters
340
341
342 Version: 2.0.9.0
343 =====
344 Enhancements:
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345 -----
346 - Update to qed-8.38.00.0 with storm fw 8.37.10.0
347 - Added support for ECHO els command.
348
349 Fixes:
350 -----
351 * [CQ104887]: Driver fails to bring up virtual link with 25G/50G ICM
352   Resolution : In flush queue function, after removing a workitem from the
353   queue mark it as INACTIVE.
354   Scope      : 45000/41000 Series Adapters
355
356
357 Version: 2.0.8.0
358 =====
359 Enhancements:
360 -----
361 1: Update to qed-8.37.28.0 with storm fw 8.37.9.0
362 2: CQ103151: Support for get-fcoe capabilities api.
363
364 Fixes:
365 -----
366 * [CQ103529] : Running host-port toggle on an multi-Hop Test Ring causes IO Error
367
368   Resolution : Increase the dev loss timeout value from 1 to 20 seconds.
369   Scope      : 45000/41000 Series Adapters
370
371 * [CQ104001] : All sessions are not re-established after lun reset with sched-recovery
372
373   Scope      : 45000/41000 Series Adapters
374
375
376
377
378 Version: 2.0.6.0
379 =====
380 Enhancements:
381 -----
382 - Update to qed-8.37.24.0 with storm fw 8.37.8.0
383
384 Fixes:
385 -----
386 * [CQ103760] : ESXi 6.7 PSOD during the profile connection add/remove test
387
388   Resolution : During LUN/Reset, If a IO has been picked for cleanup, let it
389   Scope      : 45000/41000 Series Adapters
390
391 * [CQ103693] : Pause Flood on ESXi 6.7
392
393   Resolution : While session is being uploading, do not start a timer for RRQ
394   Scope      : 45000/41000 Series Adapters
395
396 * [CQ101367] : PSOD observed while running MultipathSave test case.
397
398   Resolution : Free all Fabric and session.
399   Scope      : 577XX/578XX Series Adapters
400
401 Version: 2.0.5.0
402 =====
403 Enhancements:
404 -----
405 - Update to qed-8.37.23.0 with storm fw 8.37.8.0
406
407 Fixes:
408 -----
409
410
411
412 Version: 2.0.4.0
413 =====

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414 Enhancements:
415 -----
416 - Update to qed-8.37.22.0 with storm fw 8.37.7.0
417
418 Fixes:
419 -----
420 CQ103439: Fix for wrong value in application.
421
422 Resolution : Added NPIV support for application.
423 Scope      : 577XX/578XX Series Adapters
424
425
426 Version: 2.0.3.0
427 =====
428 Enhancements:
429 -----
430 Update to qed-8.37.21.0 with storm fw 8.37.7.0
431
432
433 Fixes:
434 -----
435 * [CQXXXXXX] : Delay in recovery if driver initiated ABTS times-out
436
437 Resolution : Perform explicit logout when driver initiated ABTS times-out
438 Scope      : 45000/41000 Series Adapters
439
440 Version: 2.0.2.0
441 =====
442 Enhancements:
443 -----
444
445 Fixes:
446 -----
447 * [CQXXXXXX] : Not honouring r_a_tov value while sending ABTS from eh_abort context
448
449 Resolution : Correctly set the wait time for ABTS completion.
450 Scope      : 45000/41000 Series Adapters
451
452 * [CQXXXXXX] : Sending incorrect Originator S_ID in the ELS payload.
453
454 Resolution : Put host port's port_id as Originator S_ID in the ELS payload
455 Scope      : 45000/41000 Series Adapters
456
457 *CQ102121:Physical vmhba is not coming UP after Ethernet shut/noshut.
458
459 Resolution : Do not retry the timeout Command during linkdown period.
460 Scope      : 45000/41000 Series Adapters
461
462 Version: 2.0.1.0
463 =====
464 Enhancements:
465 -----
466 - Update to qed-8.37.20.0 with storm fw 8.37.7.0
467
468 Fixes:
469 -----
470
471
472
473 Version: 2.0.0.20
474 =====
475 Enhancements:
476 -----
477 Update to qed-8.37.19.0 with storm fw 8.37.7.0
478
479 Fixes:
480 -----
481 * [CQXXXXXX] : Adding per vmhba Queue depth module parameter.
482 * [CQXXXXXX]: GPL Cleanup - strlen to vmk_Strlen.
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483
484 Version: 2.0.0.19
485 =====
486 Enhancements:
487 -----
488 Update to qed-8.37.17.0 with storm fw 8.37.6.0
489
490 Fixes:
491 -----
492 [CQ102142] : NPIV Target Information field is empty under "vmkmgmt_keyval".
493
494 Resolution : Correct the check for Target while displaying information.
495 Scope      : 45000/41000 Series Adapters
496
497 * [CQ102413] : PSOD observed while running ChangeMTU and nicreset test.
498 Resolution : Correctly free qed_ll2_info tx/rx_queue lock.
499 Scope      : 45000/41000 Series Adapters
500
501 Version: 2.0.0.18
502 =====
503 Enhancements:
504 -----
505     Send driver state to mfw.
506
507 Fixes:
508 -----
509 * [CQ102616] : IO Timeout during Target port toggle test.
510
511 Resolution :When a new rport is found, add the check for port_id
512             when looking through rport list before going ahead
513             and creating a new rport structure.
514 Scope      : 45000/41000 Series Adapters
515
516 Version: 2.0.0.17
517 =====
518 Enhancements:
519 -----
520 - Update to qed-8.37.16.0 with storm fw 8.37.5.0
521
522 Fixes:
523 -----
524 * [CQ102521] : PSOD when qedf_int_mode is set to intx.
525
526 Resolution : Allow support for only msix mode.
527 Scope      : 45000/41000 Series Adapters
528
529 Version: 2.0.0.16
530 =====
531 Enhancements:
532 -----
533
534 Fixes:
535 -----
536 * [CQXXXXXX] : Correctly assign rport during scan_list cleanup (for vports).
537 Scope      : 45000/41000 Series Adapters
538
539
540 Version: 2.0.0.15
541 =====
542 Enhancements:
543 -----
544
545 Fixes:
546 -----
547 * [CQ101955] : NPIV:VM gets stuck at Power On state
548
549 Resolution : Free the rport correctly during vport delete.
550 Scope      : 45000/41000 Series Adapters
551

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552 Version: 2.0.0.14
553 =====
554 Enhancements:
555 -----
556
557 Fixes:
558 -----
559 * [CQ102027] : System panics during uplink toggle test.
560
561 Resolution : Ensure that outstanding ELS commands are
562                cleaned up as part of flush_active_tasks.
563 Scope      : 45000/41000 Series Adapters
564
565 * [QXCR1001634275] : PSOD in qfc_rport_eq during the VC Uplink toggle.
566
567 Resolution : Do not process abts_completion when flush is in progress.
568 Scope      : 45000/41000 Series Adapters
569
570 * [CQ102115] : vPorts fails to do flogi when we executing ethernet shut/noshut
571
572 Resolution : Pass the link-down event to the vport
573 Scope      : 45000/41000 Series Adapters
574
575
576 Version: 2.0.0.13
577 =====
578 Enhancements:
579 -----
580 - Update to qed-8.37.13.0 with storm fw 8.37.4.0
581
582 Fixes:
583 -----
584 [CQXXXXXX]: ADISC ELS command does not get flushed.
585 [CQXXXXXX]: Panic the system if we are stuck during flush.
586 740: During session upload, mishandling of a RRQ Cmd.
587 [CQ102027]: Issue with reference count goes up.
588
589
590 Driver Version: 2.0.0.12
591 =====
592
593 Enhancements:
594 -----
595
596 Fixes:
597 -----
598 * [CQ101883] : One of FCoE link is down even though proc entry says Up
599
600 Resolution : Add vfc state to keyval, which would be consistent with
601                esxcfg-scsidevs -a.
602 Scope      : 45000/41000 Series Adapters
603
604 Driver Version: 2.0.0.11
605 =====
606
607 Enhancements:
608 -----
609
610 Fixes:
611 -----
612 * [CQ101694] : Fix for PSOD during module unload.
613
614 Resolution : Do not dereference the shost pointer after we freed.
615 Scope      : 45000/41000 Series Adapters
616
617 * [CQXXXXXX] : Return scsi cmd to OS (error detect CQE) conditionally.
618
619 Scope      : 45000/41000 Series Adapters
620

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621 * [CQXXXXXX] : num_active_ios goes out of sync with active_cmds.
622
623 Resolution : Address issue with num_active_ios accounting.
624 Scope      : 45000/41000 Series Adapters
625
626 * [CQXXXXXX] : Reference for RRQ not held for error CQE.
627
628 Resolution : Get reference (ID: 007) in the case of ABORT_ACTIVE.
629 Scope      : 45000/41000 Series Adapters
630
631 * [CQXXXXXX] : PSOD due to lockup during flush_active tasks.
632
633 Resolution : Address reference count issue associated in
634               cleanup_task for RRQ_WAIT/RRQ_ACTIVE.
635 Scope      : 45000/41000 Series Adapters
636
637 * [CQ101883] : One of FCoE link is down even though proc entry says Up
638
639 Resolution : Make link state (esxcfg-scsidevs -a) consistent with keyval.
640 Scope      : 45000/41000 Series Adapters
641
642
643 Driver Version: 2.0.0.10
644 =====
645
646 Enhancements:
647 -----
648
649 Fixes:
650 -----
651 * [CQXXXXXX] : Make cleanup timeout consistent (1 sec)
652 Scope      : 45000/41000 Series Adapters
653
654 * [CQ101633] : PSOD due to session upload timed out.
655
656 Resolution : Return outstanding scsi cmd after issuing
657 a drain if the command does not complete.
658 Scope      : 45000/41000 Series Adapters
659
660 * [CQ101732] : Link speed is not displayed correctly for 25G/50G.
661
662 Resolution : Add 25G/50G/100G speed support in FC attributes.
663 Scope      : 45000/41000 Series Adapters
664
665
666 Driver Version: 2.0.0.9
667 =====
668
669 Enhancements:
670 -----
671 * [CQXXXXXX] : Implement a mechanism to track io_req state changes.
672 Scope      : 45000/41000 Series Adapters
673
674 * [CQXXXXXX] : Implement 4 Cache Changes.
675
676 Scope      : 45000/41000 Series Adapters
677
678 Fixes:
679 -----
680 * [CQ101565] : PSOD observed on performing multiple toggles.
681
682 Resolution : Do not dereference contents of io_req unless
683 we are able to get a reference on it.
684 Scope      : 45000/41000 Series Adapters
685
686 * [CQXXXXXX] : Ensure that qedfc_cleanup_task is only invoked once/IO.
687 Scope      : 45000/41000 Series Adapters
688
689 * [CQ101506] : PSOD with qedf traces during NIC uplink reset.

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690
691     Resolution : Registering correct cookie while executing
692                  recovery handler routine.
693     Scope      : 45000/41000 Series Adapters
694
695 * [CQ101436]: PSOD seen after OS booted Up or while doing Target Add Remove Tests
696
697     Resolution : When sending LOGO via. offloaded session correctly identify the host port.
698     Scope      : 45000/41000 Series Adapters
699
700 * [CQ101558]: Unload qedf driver getting failed
701
702     Resolution : Fixing driver unload process by relinquishing all driver memory.
703     Scope      : 45000/41000 Series Adapters
704
705 * [CQ100752] : Fix for stuck VM power on with NPIV.
706
707     Resolution : Fix is to correctly perform rport cleanup so that vport
708                  deletion is not stuck waiting on it.
709     Scope      : 45000/41000 Series Adapters
710
711 * [CQXXXXXX] : Fix for refcount regression due to patch CQ100752.
712
713     Resolution : Fix rport refcount regression due to CQ100752.
714     Scope      : 45000/41000 Series Adapters.
715
716 Driver Version: 2.0.0.8
717 =====
718
719 Enhancements:
720 -----
721 Update the dependency string.
722
723 Fixes:
724 -----
725 None.
726
727 Driver Version: 2.0.0.7
728 =====
729
730 Enhancements:
731 -----
732 None.
733
734 Fixes:
735 -----
736 * [CQ101065]: ESXi 6.0 PSOD during VC FCoE uplink toggle test.
737
738     Resolution : Do not assume the SCSI command will be valid
739                  while processing an abort request.
740     Scope      : 45000/41000 Series Adapters
741
742 * [CQXXXXXX] : Use counters instead of some log messages that might flood.
743
744     Scope      : 45000/41000 Series Adapters
745
746 * [CQXXXXXX] : Reference count issue around func Recovery/Failed state.
747
748     Scope      : 45000/41000 Series Adapters
749
750 * [CQ101218] : Fix psod on VM power on with NPIV.
751
752     Resolution : Correct the reference count leak in qedfc_scsi_scan routine.
753     Scope      : 45000/41000 Series Adapters
754
755
756
757 Driver Version: 2.0.0.6
758 =====
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759
760 Enhancements:
761 -----
762 None.
763
764 Fixes:
765 -----
766 * [CQ101139] : ESXi6.7:PSOD seen after installing latest
767
768     Resolution : fcoe creation should never be called link-update context.
769     Scope      : 45000/41000 Series Adapters
770
771 Driver Version: 2.0.0.5
772 =====
773
774 Enhancements:
775 -----
776 None.
777
778 Fixes:
779 -----
780 * Driver installation failure due to DependencyError.
781
782     Resolution : Compiled the code with the correct dependency string.
783     Scope      : 45000/41000 Series Adapters
784
785 Driver Version: 2.0.0.4
786 =====
787
788 Enhancements:
789 -----
790 * [CQXXXXXX] : Add Key Val for tracking STATS.
791
792     Scope      : 45000/41000 Series Adapters
793
794
795 Fixes:
796 -----
797 * [CQ100704] : At fresh port/vport configuration the FCoE connection was not
798 established
799
800     Resolution : When link-up happens, check DCBx status to decide whether
801                  to process the link-up or not.
802     Scope      : 45000/41000 Series Adapters
803
804 * [CQ100705] : VMware guests hang at splash screen.
805
806     Resolution : Fix to send ox_id in host-order for frame processing.
807     Scope      : 45000/41000 Series Adapters
808
809 * [CQ100739] : Remove extra ref_put in cmd_state_handler for CLEANUP success.
810
811     Resolution : For error cqe driver was doing extra ref_put, removed it.
812     Scope      : 45000/41000 Series Adapters
813
814 * [CQ101042] : Incorrect invocation of drain
815
816     Resolution : Use separate variables for different sets of completions
817     Scope      : 45000/41000 Series Adapters
818
819 * [CQ100801] : IOs halt for one port.
820
821     Resolution : Added TMF commands in active_cmd list.
822     Scope      : 45000/41000 Series Adapters
823
824 * [CQ100929] : PSOD when NPIV VM is powered on with Link Down
825
826     Resolution : Do not attempt to free resources associated with vport

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827         that have not been created.
828     Scope      : 45000/41000 Series Adapters
829
830 * [CQ100549]   : Crash dump on SAN fails intermittently.
831
832     Resolution : Change the logic of how and where FKAs are
833                  sent out from.
834     Scope      : 45000/41000 Series Adapters
835
836 * [CQ100795]   : System Panics while resetting the adapter.
837
838     Resolution : The reset feature is not supported. The Panic was
839                  due to a bug in a print statement that was removed.
840     Scope      : 45000/41000 Series Adapters
841
842 * [CQXXXXXX]   : Fix an els command related refcount issue.
843
844     Resolution : On a QEDFC_CMD_EV_RRQ_FAILED, the reference associated
845                  with the els command is decremented, instead of the original io.
846     Scope      : 45000/41000 Series Adapters
847
848 * [CQ96440]    : System PSODs while running Uplink Reset test.
849
850     Resolution : Address issue of stray io_abort thread during recovery.
851     Scope      : 45000/41000 Series Adapters
852
853 * [CQXXXXXX]   : Crash dump intermittently fails over a SAN.
854
855     Resolution : During core dump, issue a FKA after every IO request
856                  completion.
857     Scope      : 45000/41000 Series Adapters
858
859 * [CQXXXXXX]   : "ALERT: ql_vmk_ref_put: refcount already zero!" message observed under
vmkernel.log.
860
861     Resolution : Address refcount imbalance when flushing active command
862                  in QEDFC_CMD_ST_ABORT_ACTIVE_EH state.
863     Scope      : 45000/41000 Series Adapters
864
865 * [CQ100768]    : Fix for DMA corruption during qedf unload.
866
867     Resolution : Do not overwriting sense buffer in qedfc_parse_fcp_rsp().
868
869     Scope      : 45000/41000 Series Adapters
870
871 Driver Version: 2.0.0.3
872 =====
873
874 Enhancements:
875 -----
876 None.
877
878 Fixes:
879 -----
880 * [CQ100553]    : PSOD encountered when running FCoE Failover
881     Resolution : While uploading session correctly handling the active cmds.
882     Scope      : 45000/41000 Series Adapters
883
884 Driver Version: 2.0.0.2
885 =====
886
887 Enhancements:
888 -----
889 None.
890
891 Fixes:
892 -----
893 * [CQ100288]    : Server PSOD in idle system
894     Resolution : Defer the handling of incoming unsolicited frames.

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895         Scope      : 45000/41000 Series Adapters
896
897 * [CQ100221]      : Fix reference counting in lun/target reset, if I/O is in abort
processing state.
898     Resolution : I/O was not getting cleanup because of reference counting issue,
899                 It was leading to relogin timeout and eventually VM hang.
900     Scope      : 45000/41000 Series Adapters
901
902 * [CQ100203]      : Server PSOD with message "qedfc_getCmdSatisfyingAconsidtion"
903     Resolution : Addressed the issue, in virtual reset, with non-checking of scsi cmd.
904     Scope      : 45000/41000 Series Adapters
905
906 * [CQ100176]      : Flogi fails after switch reset
907     Resolution : Driver misses a link-up event leading to driver not trying FLOGI
908     Scope      : 45000/41000 Series Adapters
909
910 * [CQXXXXXX]: Incorrect shost is removed from func array during vport delete.
911     Resolution : Check for the location of the shost in the shosts_address
912                 array before clearing it.
913     Scope      : 45000/41000 Series Adapters
914
915 * [CQ098949]      : PSOD during uplink reset test.
916     Resolution : Addressed issues in driver's recovery handler flow.
917     Scope      : 45000/41000 Series Adapters
918
919 * [CQXXXXXX]      : Vport reference is not being dropped during recovery_handler
920                     when vport is marked for deletion.
921     Resolution : Release vha reference when vport is marked for deletion.
922     Scope      : 45000/41000 Series Adapters
923
924 * [CQ099611]      : Medusa reports critical failure with large block I/Os.
925     Resolution : Address an I/O path issue due to buffer descriptor overflow.
926     Scope      : 45000/41000 Series Adapters
927
928 * [CQ99738/100020/100020] : PSOD during reboot.
929     Resolution : In the detachDevice we should be waiting for all rport to
930                 free. We should not try to cancel the dev-loss-timer.
931     Scope      : 45000/41000 Series Adapters
932
933 Driver Version: 2.0.0.1
934 =====
935
936 Enhancements:
937 -----
938 None.
939
940 Fixes:
941 -----
942 1. System hangs when powering off VM with NPIV.
943
944
945 Driver Version: 2.0.0.0
946 =====
947
948 Enhancements:
949 -----
950 Initial version.
951
952 Fixes:
953 -----
954 None.
955

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