

Linux Plumbers Conference 2022

>> Dublin, Ireland / September 12-14, 2022



Isolation for broken hardware for system suspend

Zhang Rui <rui.zhang@intel.com>



A single device failure breaks suspend

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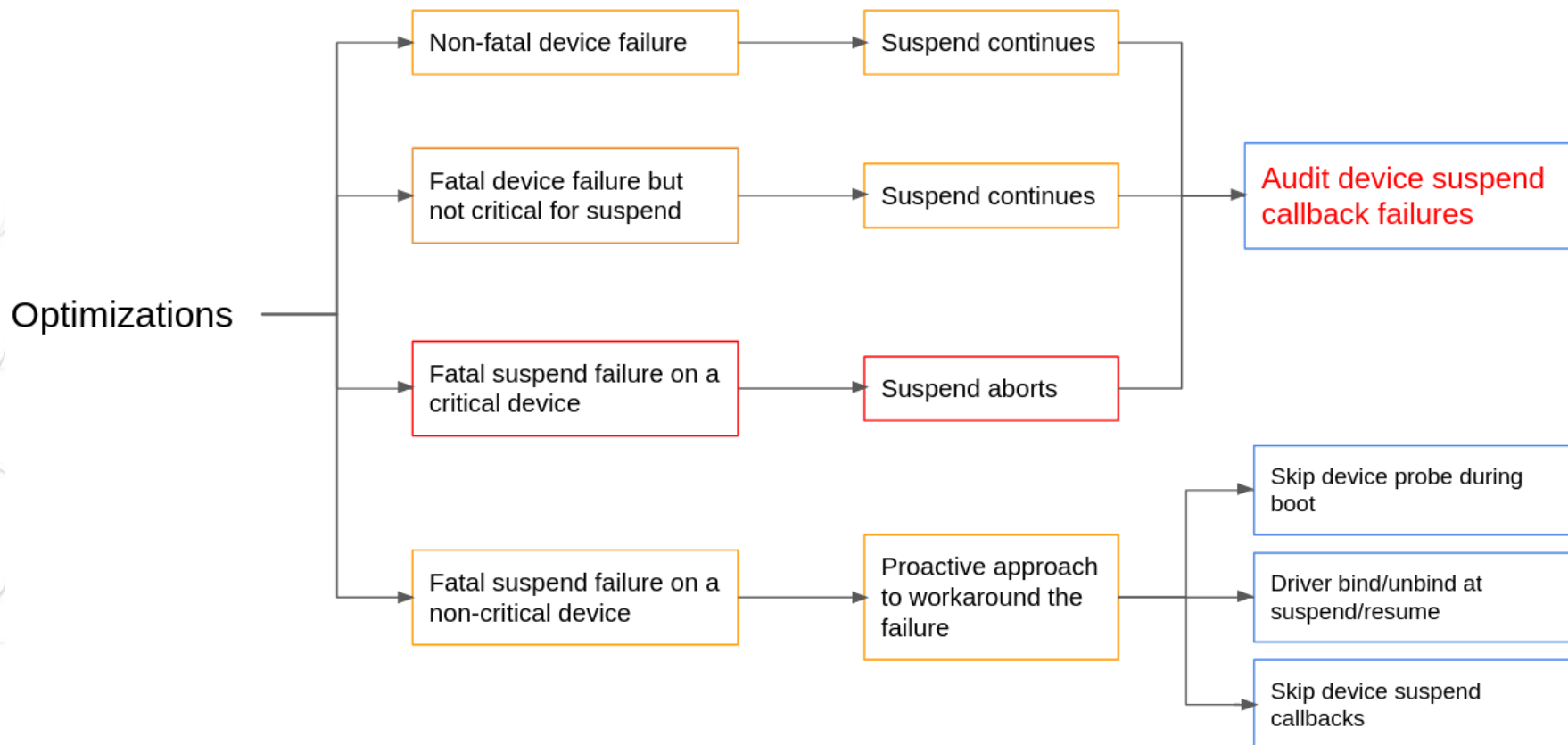
66	65	html	mem	5.19.0+	2022/08/13 18:57:53	pass	ERROR FAILx2
67	66	html	mem	5.19.0+	2022/08/13 18:58:22	pass	ERROR FAILx2
68	67	html	mem	5.19.0+	2022/08/13 18:58:50	pass	ERROR FAILx2
69	68	html	mem	5.19.0+	2022/08/13 18:59:18	pass	ERROR FAILx2
70	69	html	mem	5.19.0+	2022/08/13 18:59:47	pass	ERROR FAILx2
71	70	html	mem	5.19.0+	2022/08/13 19:00:16	pass	ERROR FAILx2
72	71	html	mem	5.19.0+	2022/08/13 19:00:44	pass	ERROR FAILx2
73	72	html	mem	5.19.0+	2022/08/13 19:01:13	pass	ERROR FAILx2
74	73	html	mem	5.19.0+	2022/08/13 19:01:42	pass	ERROR FAILx2
75	74	html	mem	5.19.0+	2022/08/13 19:02:11	pass	ERROR FAILx2
76	75	html	mem	5.19.0+	2022/08/13 19:02:38	pass	ERROR FAILx2
77	76	html	mem	5.19.0+	2022/08/13 19:03:07	pass	ERROR FAILx2
78	77	html	mem	5.19.0+	2022/08/13 19:03:35	pass	ERRORx2 FAILx3 TIMEOUTx3
79	78	html	mem	5.19.0+	2022/08/13 19:04:05	fail in suspend	ERRORx2 FAILx6
80	79	html	mem	5.19.0+	2022/08/13 19:04:34	fail in suspend	ERRORx2 FAILx6
81	80	html	mem	5.19.0+	2022/08/13 19:05:02	fail in suspend	ERRORx2 FAILx6
82	81	html	mem	5.19.0+	2022/08/13 19:05:29	fail in suspend	ERRORx2 FAILx6
83	82	html	mem	5.19.0+	2022/08/13 19:05:56	fail in suspend	ERRORx2 FAILx6
84	83	html	mem	5.19.0+	2022/08/13 19:06:24	fail in suspend	ERRORx2 FAILx6
85	84	html	mem	5.19.0+	2022/08/13 19:06:51	fail in suspend	ERRORx2 FAILx6
86	85	html	mem	5.19.0+	2022/08/13 19:07:20	fail in suspend	ERRORx2 FAILx6
87	86	html	mem	5.19.0+	2022/08/13 19:07:46	fail in suspend	ERRORx2 FAILx6
88	87	html	mem	5.19.0+	2022/08/13 19:08:14	fail in suspend	ERRORx2 FAILx6
89	88	html	mem	5.19.0+	2022/08/13 19:08:40	fail in suspend	ERRORx2 FAILx6
90	89	html	mem	5.19.0+	2022/08/13 19:09:07	fail in suspend	ERRORx2 FAILx6

[1807.576732] e1000e 0000:00:1f:6 enp0s31f6: Hardware Error

[1829.393228] e1000e 0000:00:1f:6: PM: pci_pm_suspend(): e1000e_pm_suspend+0x0/0x7a0 [e1000e] returns -2
[1829.393257] e1000e 0000:00:1f:6: PM: failed to suspend async: error -2
[1829.393319] PM: suspend of devices aborted after 1290.987 msecs



Proposals





Audit device driver suspend callbacks

