Subject: Virtuozzo 7 - Meltdown/Spectre Patch Performance desaster
Posted by futureweb on Mon, 15 Jan 2018 13:15:35 GMT

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Hey there,
I know it's about Virtuozzo 7 (already got Support Ticket #18222 because of this) and not OpenVZ - but I'm interested if same Performance Problems are observed with OpenVZ ...

Since Meltdown/Spectre Patches the Performance dropped to unuseable levels. I patched one of our Root Servers which is running 1 (ONE) productive Container with EZ CMS (Apache 2.4.6, PHP 5.6.32) and MySQL/MariaDB DB (5.5.56) to latest VZ Kernel (3.10.0-693.11.6.vz7.40.4) Root Server is HPE Gen9 Blade Server (Xeon CPU E5-2640 v3 @ 2.60GHz), Storage is Virtuozzo Storage running on SSD only (1-2GB/s Performance) - so rather good Hardware Specs ...

So here what happened when I bootet to patched Kernel:

completely unusable ... Load AVG spiked up to 150 and more (peaks up to over 200)

Disabling the Security Patches brings the Load down to normal:
Quote:tee /sys/kernel/debug/x86/*enabled <<< 0

Answer from Virtuozzo Support:

Essentially this means I can either patch Virtuozzo against Spectre and cripple the Performance that much that the Server is unuseable - or I decide to not patch the Server - keep good Performance but stay vulnerable to Spectre ...
Both options not really satisfactory ...

Anyone else observed similiar issues on OpenVZ? Or got a good Tip for me?

thx, bye from sunny Austria
Andreas Schnederle-Wagner