

RHEL/Centos 8.4 Release Note

RHEL / Centos 8.4 版本 包含 以下 更新

更新 内容 包括 安全 补丁 , 性能 优化 以及 新功能 的 添加

1. 安全 更新

漏洞 ID	漏洞描述
21.4	4.18 .0-305

2. 性能 优化

1. 网络 性能

- 1. nmstate 工具 支持 网络 配置 的 批量 操作
- 2. iproute2 工具 支持 traffic control(tc) 策略 的 配置 , 包括 mac_push, push_eth, pop_eth 等 操作
- 3. cgrouops 工具 支持 slab 内存 的 管理 , 包括 内存 池 的 创建 和 销毁
- 4. 支持 对 网络 设备 的 性能 监控 (包括 流量 和 丢包 率)
- 5. Intel CPU 8 核 (包括 8080, 8085, 8090) 支持 EDAC 功能

6. pacemaker `interval` ,
`health check`
7. virtio_balloon VM

2.

1.

1. NetworkManager

1. `ipv4.dhcp-reject-servers` : `ip release`
2. `active_slave` , `primary`
3. `NetworkManager-wait-online` 60
4. `ethtool`

2.

1. `perf Toolset` `timestamp`
2. `Cockpit` - `50%`

3. /

1. `Swap` 128GB → 16TiB
2. `NVMe` hot swap
3. `XFS / EXT4` `dax`
 1. `dax=inode` :
 2. `dax=never` : `dax`
 3. `dax=always` : `dax`

2.

1. eBPF(Extended Berkeley Packet Filter;)

1. `BPF Compile Collection(BCC)` : OS , I/O
2. `BCC Tool Package`
3. `Traffic Control eBPF` :

3.

1. `igc`(2.5G NIC)

4.

1. snmpbulket - 10000 1000 pid 1000 1000 1000 1000
10000 1000
2. cron - ReaR(Relax and Recovery)1000 1000 1000 Cron1000 10000
1000 10000 10000 , ReaR 1000 10000 1000 10000 10000
1000 10000 1000
1000 1000 1000 10000 10000 1000
3. OpenSCAP - 100000 RAM10000 1000 1000 10000 1000 10000
100000 1000 1000
4. NetworkManager - /etc/hostname1000 1000 1000 10000 1000
NIC1000 1000 DNS1000 10000 10000 1000 10000 1000 NIC
1000 1000 100000 100000 1000
5. pmlogger1000 NetworkManager1000 1000 1000 pmlogger1000 10000 1000 1000
NetworkManager1000 10000 1000 1000 1000
6. Container - 1000000 I/O 1000 1000 1000 10000 1000 1000
1000000 lock-up 1000 , OOM1000 1000 10000 10000 1000 hanup
10000 1000 1000 1000
7. Memory - 10000 1000000 1000 1000000 1000 10000 1000
1000 1000 1000 1000 10000 1000 1000
8. SMB - 1000 1000 cifsacl 1000 10000 1000 EREMOTE1000 1000 1000
1000 1000 1000
9. NFS - 100,0001000 1000 1000 10000 1000 1000 10000 1000
1000 1000
10. Corosync - 10000 timeout1000 10000 3000 1000
11. Virtualization - Windows Server 2019100000 RHEL81000 10000
10000 1000 1000
12. Wayland - 100000 1000 1000 1000 1000

3. 1000 100000000 / 1000 1000 1000

1000	1000
1000	1000
pyth on	3.9

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swig	4.0
sub vers ion	1.14
redi s	6
post gres SQL	13
Mari adb	10.5
GCC Tool set	10
LLV M Tool set	11.0 .0
Rust Tool set	1.49 .0
GO Tool set	1.15 .7
Ope nJD K	11
kabi _whi tlist	kabi _sta bleli st

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<div><div></div><div></div></div>	Realtek 802.11ac (8822*)
<div><div></div><div></div></div>	Interface for UDP Encapsulated traffic
<div><div></div><div></div><div>+</div><div></div></div>	Regmap SoundWire
<div><div></div><div></div><div>+</div><div></div></div>	Intel Quick Assist / Data Accelerator

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<div><div>□□</div><div>□ +</div><div>□□</div></div>	<div>Ora cle VM Virt ualB ox Gra phic s</div>
<div><div>□□</div><div>□ +</div><div>□□</div></div>	<div>AMD Ener gy repo trin g</div>
<div><div>□□</div><div>□ +</div><div>□□</div></div>	<div>Elas tic Fabr ic Ada pter</div>
<div><div>□□</div><div>□ +</div><div>□□</div></div>	<div>AMD PIC- E Non - Tran spar ent Brid ge</div>

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<div>□□ □ + □□</div>	<div>PCle NTP B Perf orm anc e Mea sure men t Tool / Sim ple Ping pon g Clie nt / Deb uggi ng Tool)</div>
<div>□□ □ + □□</div>	<div>Soft war e Que ue- Pair Trsn port over NTB</div>

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<div> <div></div> <div> + </div> <div></div> </div>	Intel Elkh art Lak e PHC pinc trl/G PIO Driv er
<div> <div></div> <div> + </div> <div></div> </div>	Dell platf orm setti ng Con trol inte rfac e

2.

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VM war e SVG A drm	2.18 .0.0

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Cisc o FCo E HBA	1.6. 0.53
HP Sma rt Arra y Con troll er	3.4. 20- 220- RH1
Emu lex Ligh tPul se Fibr e Cha nnel SCSI	0.12 .8.0. 5
LSI MPT Fusi on SAS 3.0	35.1 01.0 0.00
QLo sic Fibr e HBA	10.0 2.00 .104 -k
HPE Wat cgdi g	2.0. 4

reference

- https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/8/html-single/8.4_release_notes/index

Revision #2

Created 8 July 2022 18:10:14 by artop0420

Updated 24 December 2023 00:23:11 by artop0420