**What’s new with RHEL 7 CGroups?**

Since **RHEL 6**, **CGroups** have been a work in progress. So, in **RHEL 7** features evolved through new **Systemd** commands like **systemd-cgls**, **systemd-cgtop**, and mainly **systemctl set-property**.

Still through **Systemd**, **RHEL 7.0** brought the **CPUShares** (percentage of CPU), **MemoryLimit**(memory quota), and **BlockIOWeight** (percentage of block IO) main properties, allowing you to set some constraints on system resources.

**RHEL 7.2** added **StartupCPUShares**, **StartupBlockIOWeight**, and most importantly**CPUQuota**.

**Marc Richter**, Technical Account Manager at **Red Hat**, recently published a series of articles helping you better understand **CGroups**:

* [CGroup basics](https://www.redhat.com/en/about/blog/world-domination-cgroups-part-1-cgroup-basics) presents some basics and theory behind **CGroups**,
* [Turning knobs](https://www.redhat.com/en/about/blog/world-domination-cgroups-part-2-turning-knobs) investigates the current state of active **CGroups**,
* [Thanks for the memory](https://www.redhat.com/en/about/blog/world-domination-cgroups-part-3-thanks-memories) looks at the Memory controller.

But **CGroups** are still evolving: **Chris Down** from **Facebook** presented the new [CGroupsv2 interface](http://mirror.onet.pl/pub/mirrors/video.fosdem.org/2017/UA2.220/cgroupv2.vp8.webm) at the **2017 FOSDEM** conference at the beginning of February. This new interface changes the way the **CGroups** hierarchy works and globally removes several existing inconsistencies. This interface is stable since the **kernel 4.5** and requires a recent version of **Systemd** (>=**v226**) not available in **RHEL 7** until now (but [unofficial options](https://maciej.lasyk.info/2016/Dec/16/systemd-231-latest-in-centos-7-thx-to-facebook) exist).

As usual, you can find all these details and more at the [CGroups page](https://www.certdepot.net/rhel7-get-started-cgroups/).