

Red Hat and SUSE: Openshift, RHEL and Cloudwashing

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- [Using Kubernetes Operators to Manage Let's Encrypt SSL/TLS Certificates for Red Hat OpenShift Dedicated](#)[3]

- [No Downtime Upgrade for Red Hat Data Grid on Openshift](#) [4]

In a blog post I wrote on the Red Hat Developer's Blog, I wrote about multiple layers of security available while deploying Red Hat Data Grid on Red Hat Openshift. Another challenging problem I see for customer is performing a no downtime upgrade for Red Hat Data Grid images (published on Red Hat Container Catalog). That's what we're going to tackle in this post.

If you're new to it, Red Hat Data Grid is an in-memory, distributed, NoSQL datastore solution. With it, your applications can access, process, and analyze data at in-memory speed designed to deliver a superior user experience compared to traditional data stores like relational databases. In-memory Data Grids have a variety of use cases in today's environments, such as fast data access for low-latency apps, storing objects (NoSQL) in a datastore, achieving linear scalability with data distribution/partitioning, and data high-availability across geographies.

- [World domination with cgroups in RHEL 8: welcome cgroups v2!](#) [5]

One of the great things about open source development is that features can be designed and

implemented organically and grow and change as needed. However, a drawback is that this methodology can sometimes lead to a hot mess and uncomfortable technical debt.

In the case of cgroups v1, as the maintainer Tejun Heo admits, "design followed implementation," "different decisions were taken for different controllers," and "sometimes too much flexibility causes a hindrance."

In short, not all of the controllers behave in the same manner and it is also completely possible to get yourself into very strange situations if you don't carefully engineer your group hierarchy. Therefore, cgroups v2 was developed to simplify and standardize some of this.

Let's take a look at how the two versions are different. I'm going to show two different diagrams - controllers are in yellow blocks and cgroup directories have a grey background.

- [Cloud Strategies in Frankfurt](#) [6]

- [Are We Ready to Ditch the Data Center?](#) [7] [Ed: Perpetuating the myth that when you outsource all business functions to the Pentagon through its partners the servers just vanish and cease to exist]

Over the past few decades, organizations have come to rely on their own data centers to run business applications, network their users together and for data storage. Initially, these data centers were largely hardware-centric. In the early days, a mainframe and terminals were the order of the day, before we moved onto the RISC/UNIX era, followed more recently by the server sprawl period of commodity X86 servers.

But now, the whole concept of an organization-owned data center is going through a radical change. It started with virtualization, which separated the direct relationship between application software and the underlying hardware infrastructure. This helped improve server utilization, efficiency, and provisioning speed. The next step towards an even greater level of abstraction is the move to a software-defined infrastructure (SDI), including compute, storage and networking.

[Red Hat SUSE](#)

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