

Recent

Cloud CO – The VMs on the CERN cloud are distributed across different sizes

Cloud Backup Services For Business – NUMA and CPU Pinning in High Throughput Computing

Scary Cloud – Tuning hypervisors for High Throughput Computing

Princess Little Cloud – A small share of jobs

Cloud Computing Service – EPT, Huge Pages and Benchmarking

Categories

Cloud Backup Services For Business

Cloud Business Phone System

Cloud CO

Cloud Computing

Cloud Computing Service

Event Cloud

Managed Cloud Hosting

Princess Little Cloud

Scary Cloud

Small Business Cloud Backup



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Reload

Cloud Business Phone System – Local Storage Systems

Cloud Business Phone System

<Cloud Business Phone System> – In just a few months, we got Magnum up and running and it has proved to be a significant addition to the OpenStack cloud.



Which makes us excited about what is coming next, including:

- Integration with Cinder – ready upstream, and we'll be trying it very soon
- Magnum benchmarks in Rally – we rely on Rally to make sure our cloud is performing as expected
- Further integration with our local storage systems such as CVMFS and EOS – relying on the ability to add site specific configurations to the bay templates
- Integration with Barbican – the recommended way to handle the required TLS certificates to talk to the native APIs of the orchestration engines, and the only option today to get Magnum in HA (though that's about to change)
- Integration with Horizon – this will help as we expand the service into production to communities who are used to using the web interfaces

If you're interested in more details on the available container orchestration technologies or our usage of OpenStack Magnum, or simply want to see some fancy demos, check our recent presentation at a CERN Technical Forum.

Acknowledgments

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- Jarek Polok for the CERN docker repository
- The OpenStack Magnum team for their support and collaboration
- All CERN users that helped us debug and set the service requirements

References

- Presentation on containers at the CERN Technical Forum – <https://cds.cern.ch/record/2144886>
- End user documentation at <http://clouddocs.web.cern.ch/clouddocs/containers/index.html>
- OpenStack superuser article at <http://superuser.openstack.org/articles/openstack-magnum-on-the-cern-production-cloud>

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