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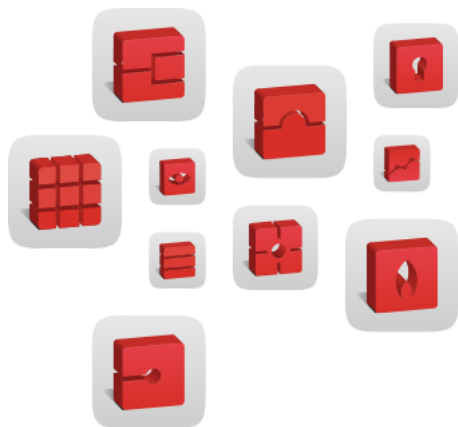
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Juju solutions for OpenStack

Juju makes it easy to deploy OpenStack at scale. Quickly and reliably build an enterprise-scale cloud run on Ubuntu — the most popular operating system for OpenStack.

Benefit from a fully integrated and optimised combination of the latest release of Ubuntu Server and the latest release of OpenStack



Why use Juju for OpenStack?

- **Speed**

Reduce the time to deploy OpenStack from days to minutes.

- **Agility**

Experiment with different versions, configurations and solutions to choose what works for you. [The OpenStack Interoperability Lab](#) ensures all components can be combined reliably in real-world deployments.

- **Support**

The main OpenStack releases are supported for a full five years on LTS releases of Ubuntu, giving you peace of mind combined with the latest OpenStack features.


- **Expertise**

Our OpenStack solutions encapsulate the industry-leading reference architecture for high-performance clouds. Allowing you to focus on your applications and workloads rather than on the underlying infrastructure of your cloud.

Start with a base cloud

This solution includes compute, networking, block storage (Cinder and Ceph), object storage (Ceph), identity, dashboard, and image management. You will only need 4 physical machines to deploy it, and you can scale it out by adding more physical machines.

openstack-base
by [openstack-charmers](#)



Deploy with the CLI:

```
juju deploy cs:bundle/openstack-base-49
```

[Link](#)

Deploy with Juju

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Composed of (16)

nova-compute

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Add metering

A useful function for any cloud is utilisation measurement. To accomplish this, add the ceilometer charm for telemetry alongside your existing OpenStack installation as above.

openstack-telemetry
by [openstack-charmers](#)

Deploy with the CLI:

```
juju deploy cs:bundle/openstack-telemetry-42
```



Deploy with Juju



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Key charms included in the bundle



ceilometer
by [openstack-charmers](#) •

Deploy with the CLI:

```
juju deploy cs:ceilometer-243
```



Deploy with Juju



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mongodb
by [charmrs](#) • [trusty](#)

Deploy with the CLI:

```
juju deploy cs:trusty/mongodb-37
```



Deploy with Juju



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ceilometer-agent
by [openstack-charmers](#) •

Deploy with the CLI:

```
juju deploy cs:ceilometer-agent-237
```



Deploy with Juju



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Add Canonical's Landscape service

Monitor, manage, and upgrade your images and cloud assets with Landscape. Follow these steps to deploy it:

- Register with Landscape at <https://landscape.canonical.com/trial-registration>
- Edit the charm config and enter your account credentials
- Add a relation to every OpenStack service you want to manage. (The Landscape client is a subordinate charm which means it connects to services already running in your model)
- Manage your cloud at <https://landscape.canonical.com>



landscape-client
by [landscape-charmers](#) •

Deploy with the CLI:

```
juju deploy cs:landscape-client-28
```



Deploy with Juju

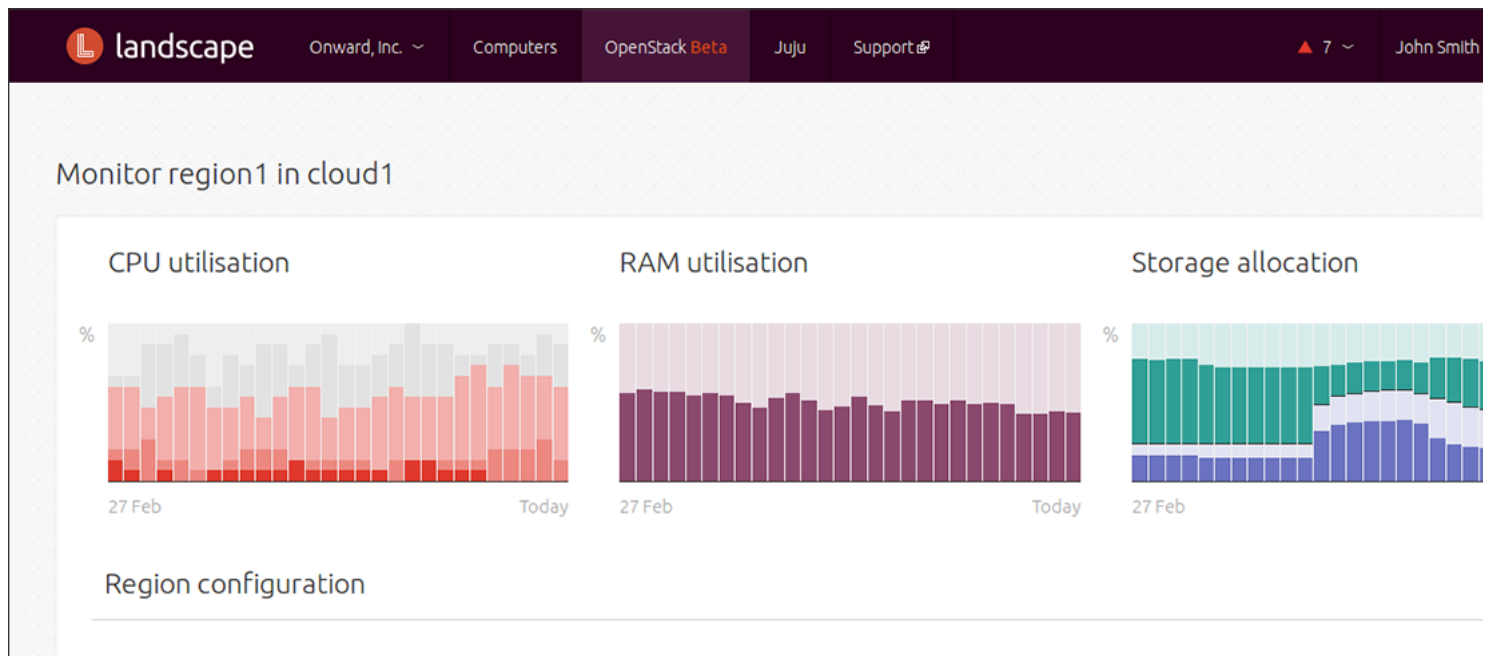


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Want to make things even easier?

Why not try Canonical's OpenStack Autopilot—it allows you to quickly deploy a tried and tested distribution of OpenStack on your hardware using your configuration choices, such as Swift or Ceph.

[Find out more](#)


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