



CLOUD COMPUTING APPLICATIONS

Juju

Roy Campbell & Reza Farivar

Juju

- Services as atoms that can be instantiated
- Depends/Provides
- Abstracts and maintains Elasticity
- Services loosely coupled but highly cohesive
- Works at user level to deploy system software like Hadoop on machines owned by user
- Allows fast devops for users of MAAS and OpenStack
- Supports Openstack as well

Juju Charms

- Charms are shareable, re-usable, and repeatable expressions of DevOps best practices
- Use them unmodified or easily change them to meet needs
- Like a package: ask install it or remove it
- Works across Clouds: OpenStack, EC2, ...

Charms for over 300 Services



Ceph



Hadoop



IBM DB2



Kubernetes



MariaDB



MongoDB



MySQL



Nagios



PostgreSQL



Redis

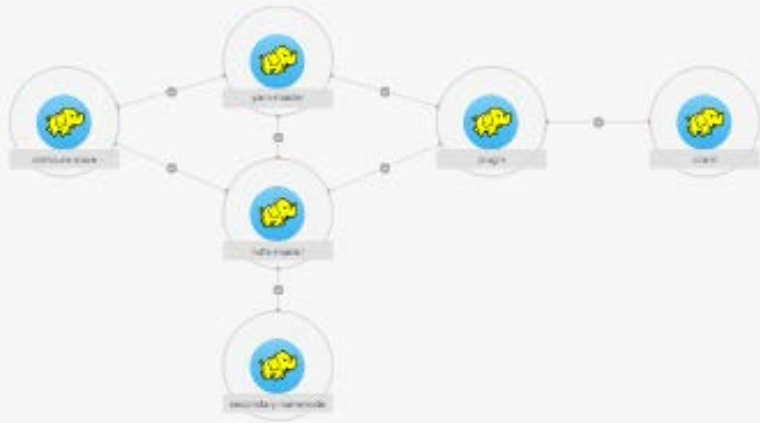


Spark

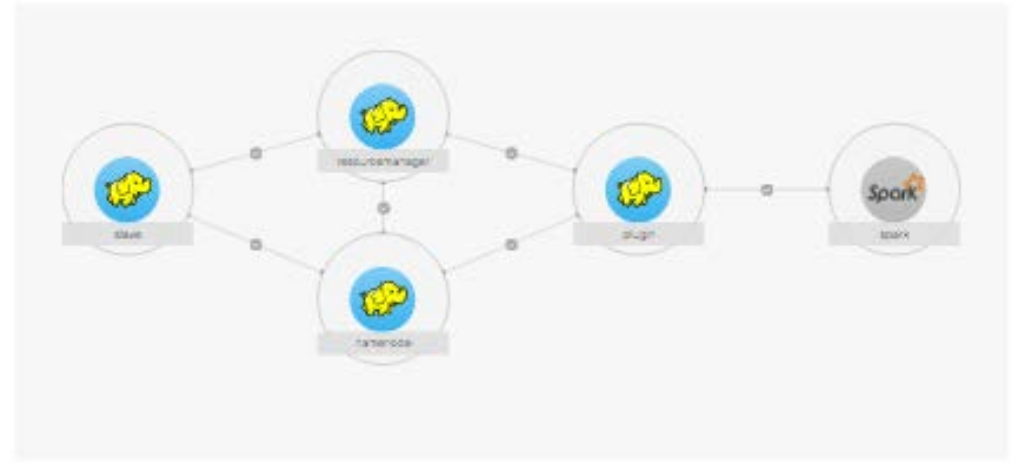


Wordpress

Bundles



Apache MapReduce
by **charm**ers • trusty



Apache Spark
by **charm**ers • trusty

Open Stack and Web Infrastructure Charms



OpenStack
by **charm**ers • trusty



Web infrastructure in a box
by **charm**ers • trusty

Canonical Group Demonstration

- Interactive Construction
- <https://demo.jujucharms.com/>