



Magnum

Containers-as-a-Service for OpenStack



Magnum Vision

Containers as a First Class resource in OpenStack



Status and Statistics

2106
patch sets

680
commits

105,996
lines of code

6
months

42
engineers

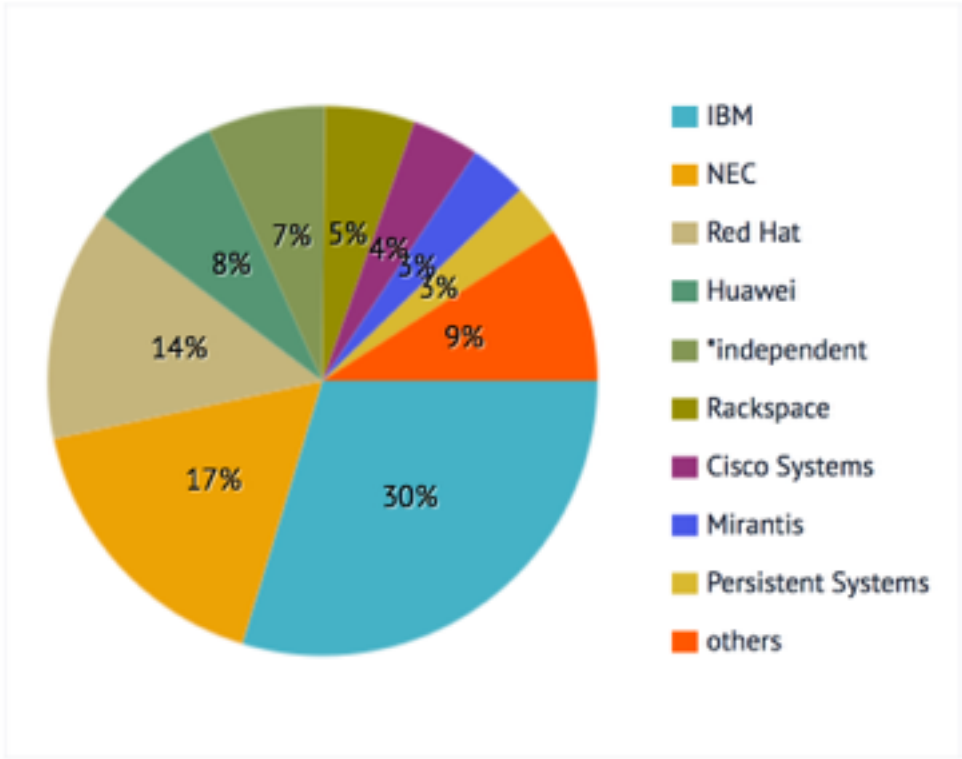
19
affiliations

released
2015-01-20

Thriving Community



Contribution by companies

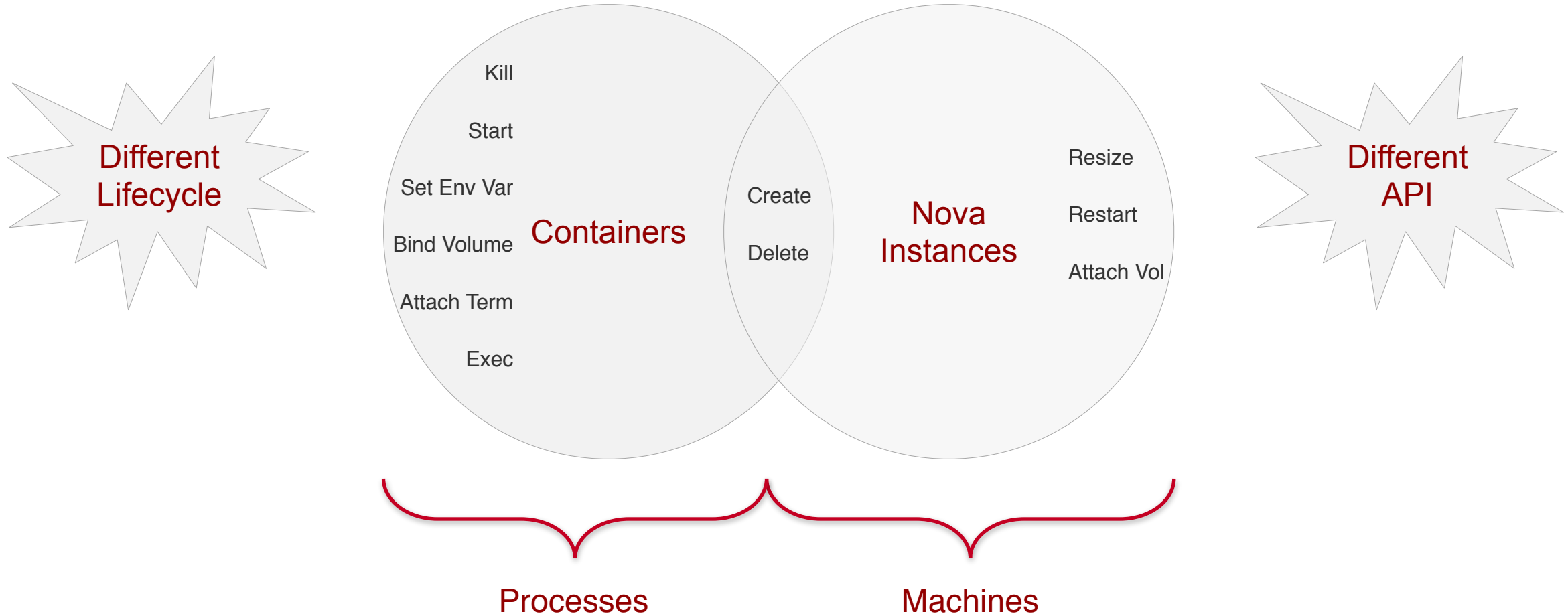


Prior Art

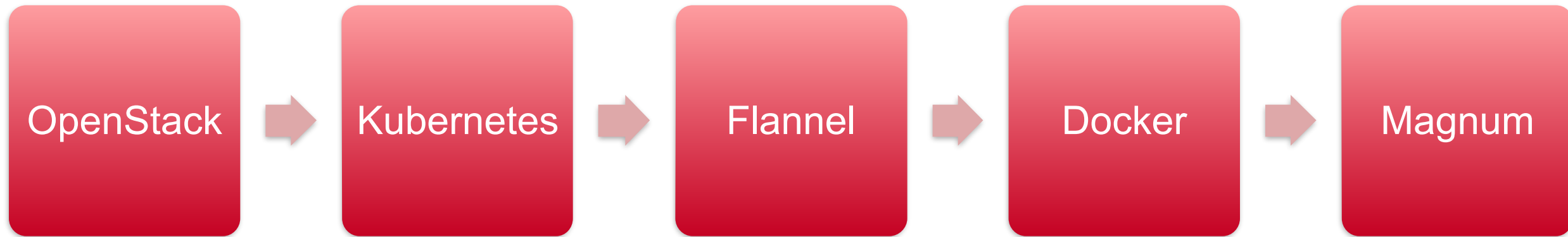


- LXC (libvirt) virt driver for Nova
- Nova-Docker virt driver for Nova
- Heat Resource for Docker

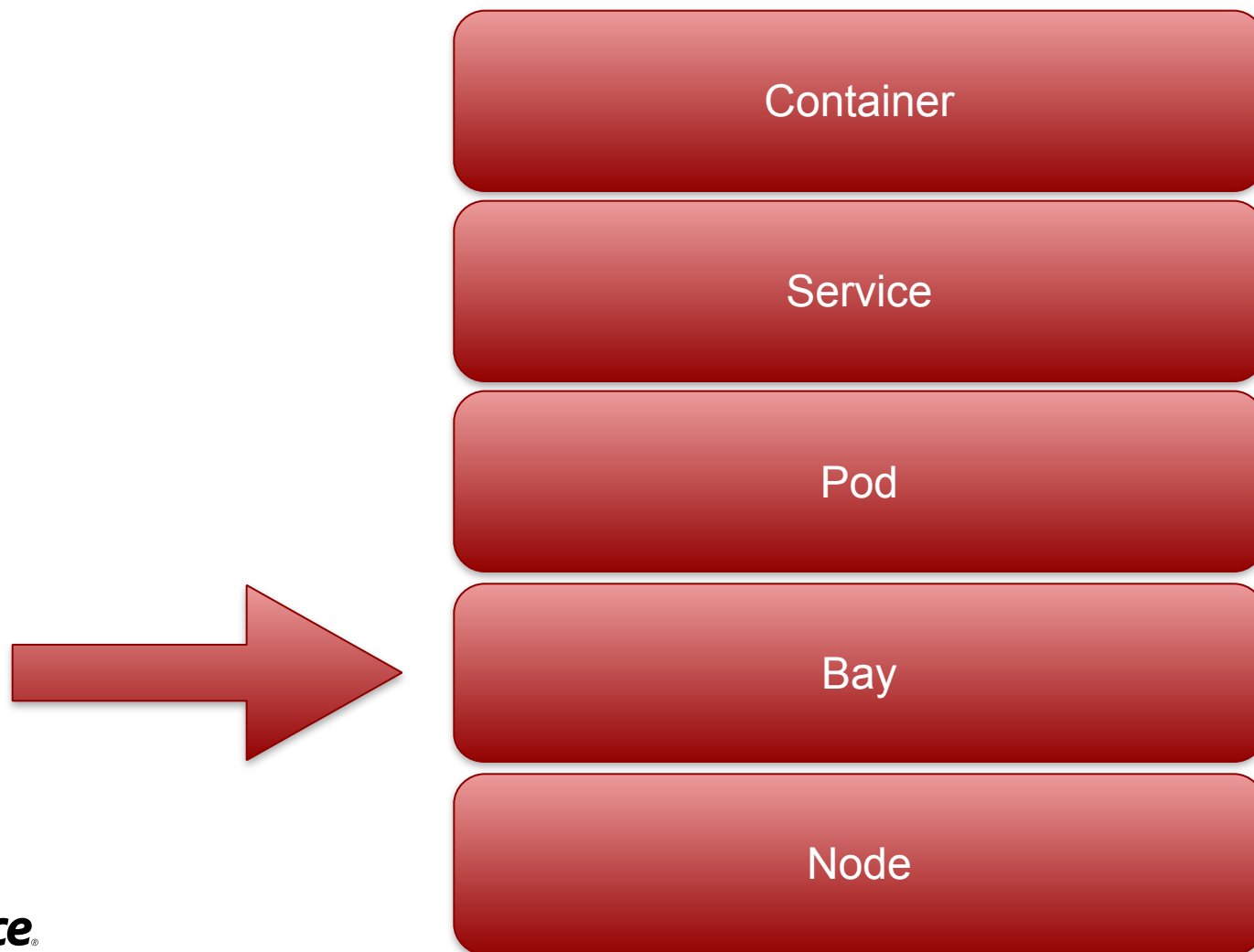
Magnum Rationale



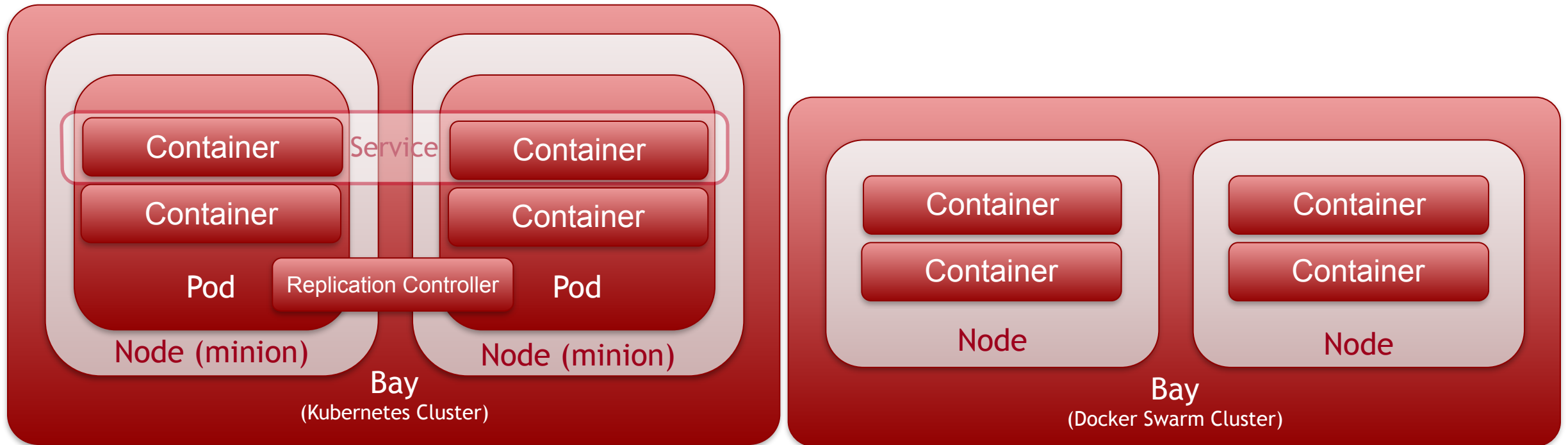
Magnum



API Resources



Magnum API Resources



Differentiators

Multi-Tenant Control and Data Planes

Magnum is First

Asynchronous API

HTTP/1.1 201 Created

Uses OpenStack Orchestration (Heat)

Not Re-Implementing Orchestration

Uses OpenStack Identity (Keystone)

SSO Experience for Cloud Users

THANK YOU



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