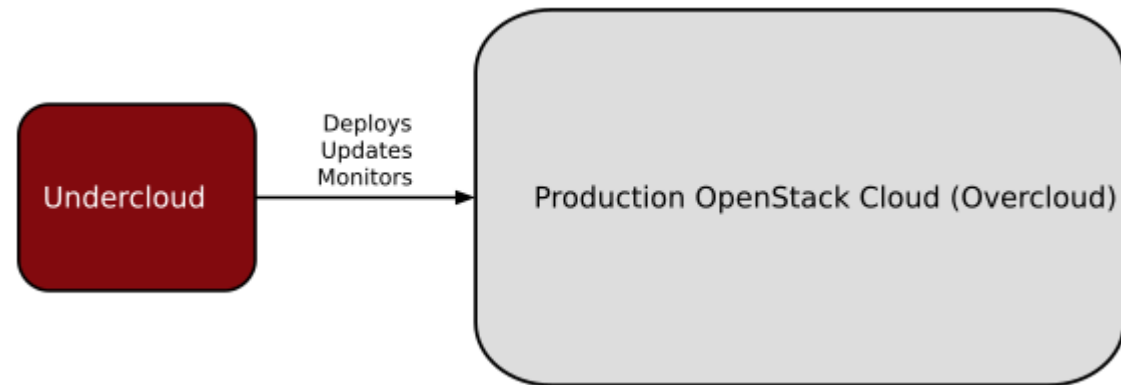


Module 8: Triple O

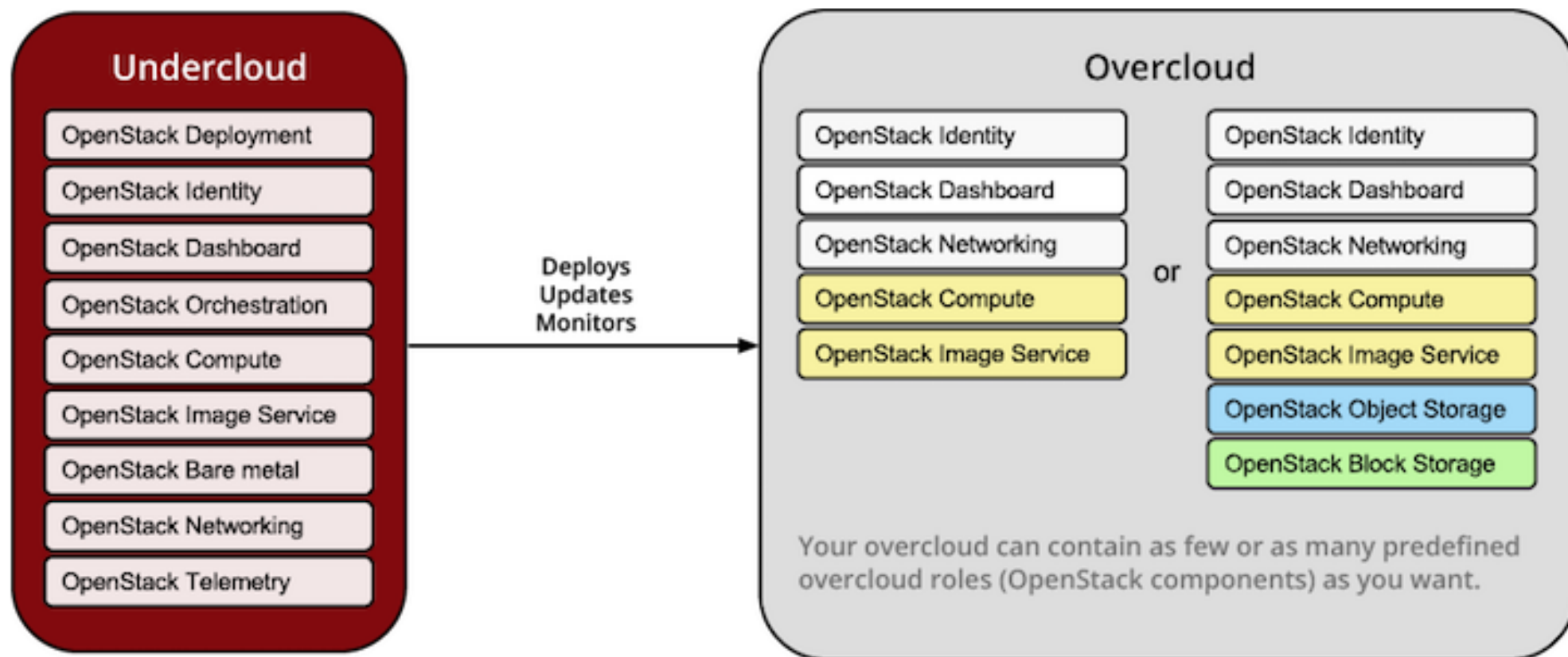
What is TripleO

TripleO is a community developed approach

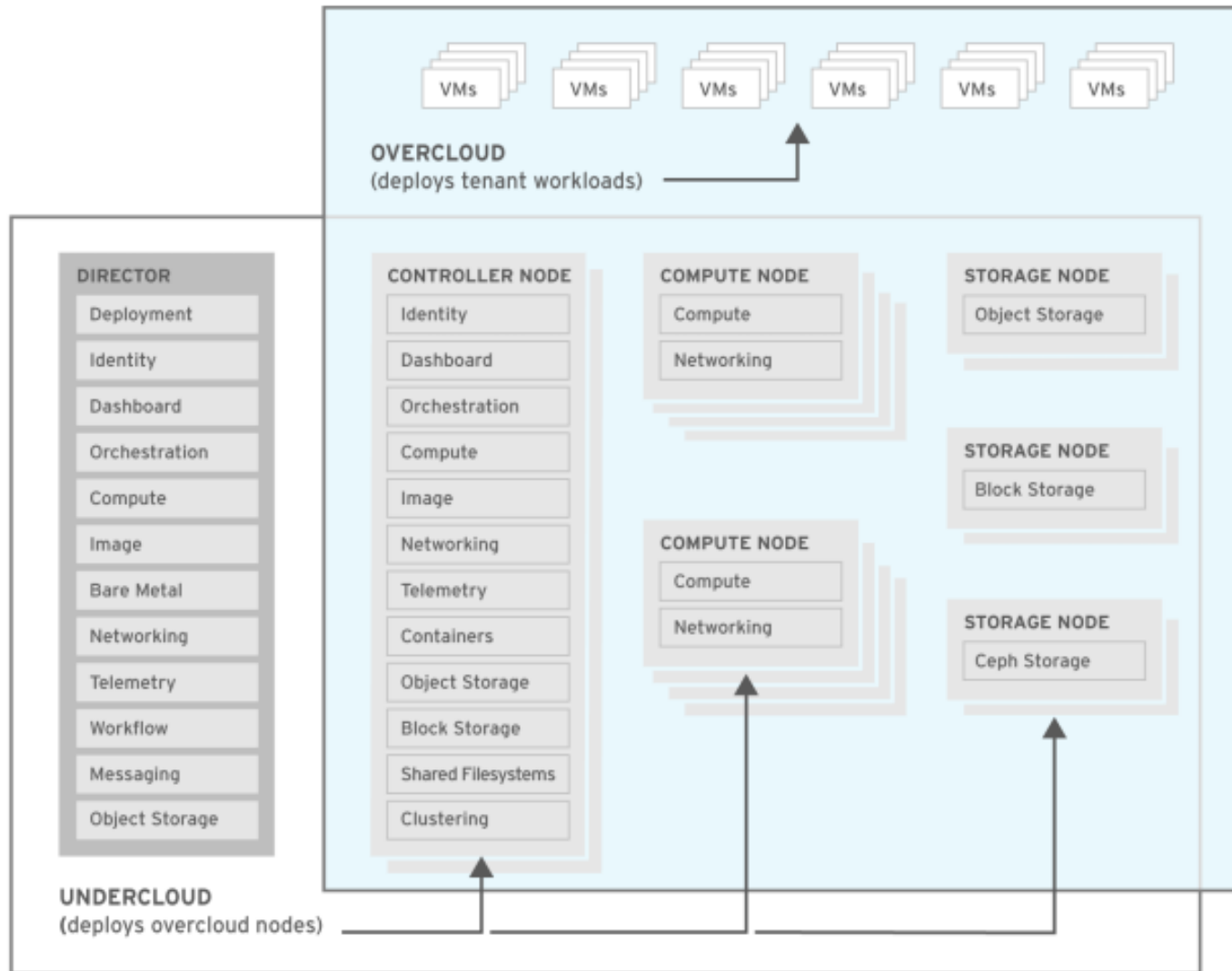
TripleO is the friendly name for “OpenStack on OpenStack”. It is an official OpenStack project with the goal of allowing you to deploy and manage a production cloud onto bare metal hardware using a subset of existing OpenStack components.



TripleO



More Elaborated Diagram



Environment Setup

- * **Standalone**

- * **Virtual**

- * **Baremetal**

Standalone Environment

TripleO can be used as a standalone environment with all services installed on a single virtual or baremetal machine.

The machine you are deploying on must meet the following minimum specifications:

4 core CPU

8 GB memory

60 GB free disk space

Virtual Environment

TripleO can be used in a virtual environment using virtual machines instead of actual baremetal. However, one baremetal machine is still needed to act as the host for the virtual machines.

Virtual deployments with TripleO are for development and testing purposes only.

Barmetal Environment

TripleO can be used in an all baremetal environment. One machine will be used for Undercloud, the others will be used for your Overcloud.

To deploy a minimal TripleO cloud with TripleO you need the following baremetal machines:

1 Undercloud

1 Overcloud Controller

1 Overcloud Compute

Network Setup

- > One Provisioning interface**
- > One External/Public interface**
- > One Power interface**

Network Setup

- > One Provisioning/Management interface**
- > One External/Public interface**
- > One Power interface**

Setting Up Undercloud

- > Setup the repositories**
- > Create stack user and sudo access**
- > Configure undercloud.conf file as per infrastructure**
- > Install undercloud**

Configure undercloud for overcloud

- > Creating images**
- > Setting up inventory json file**
- > Configure network boot**
- > Perform introspection**





