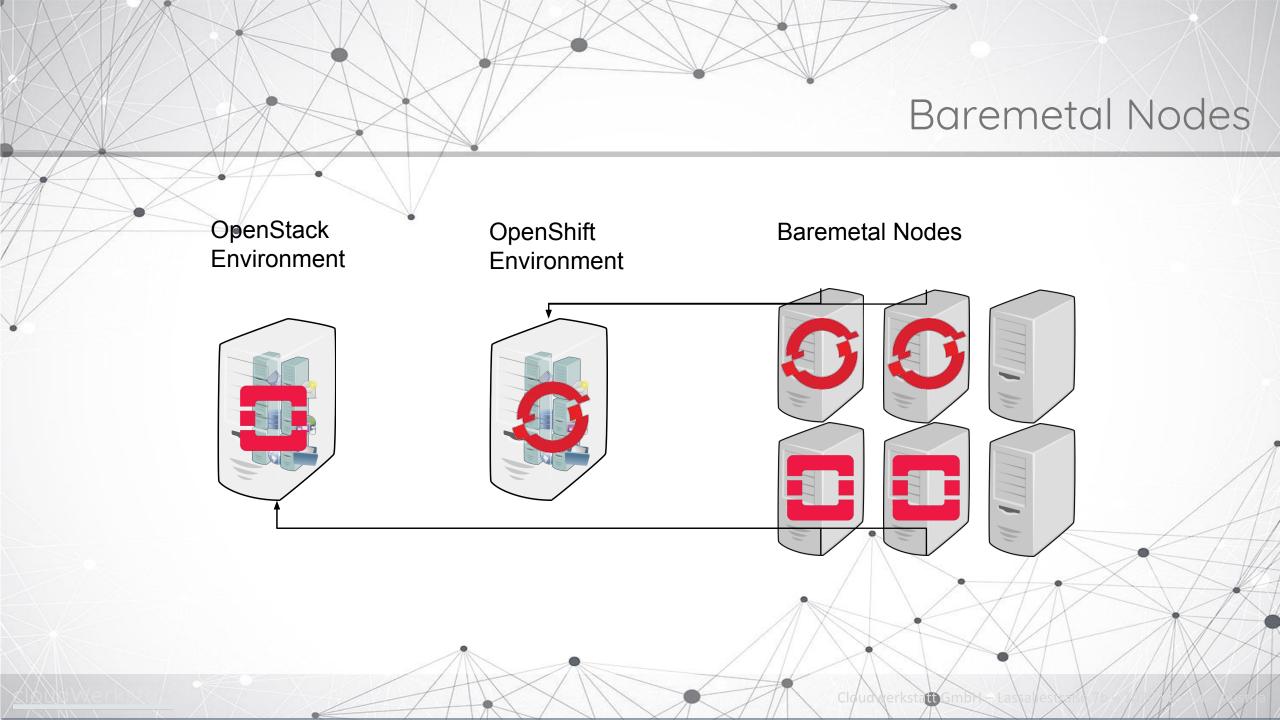
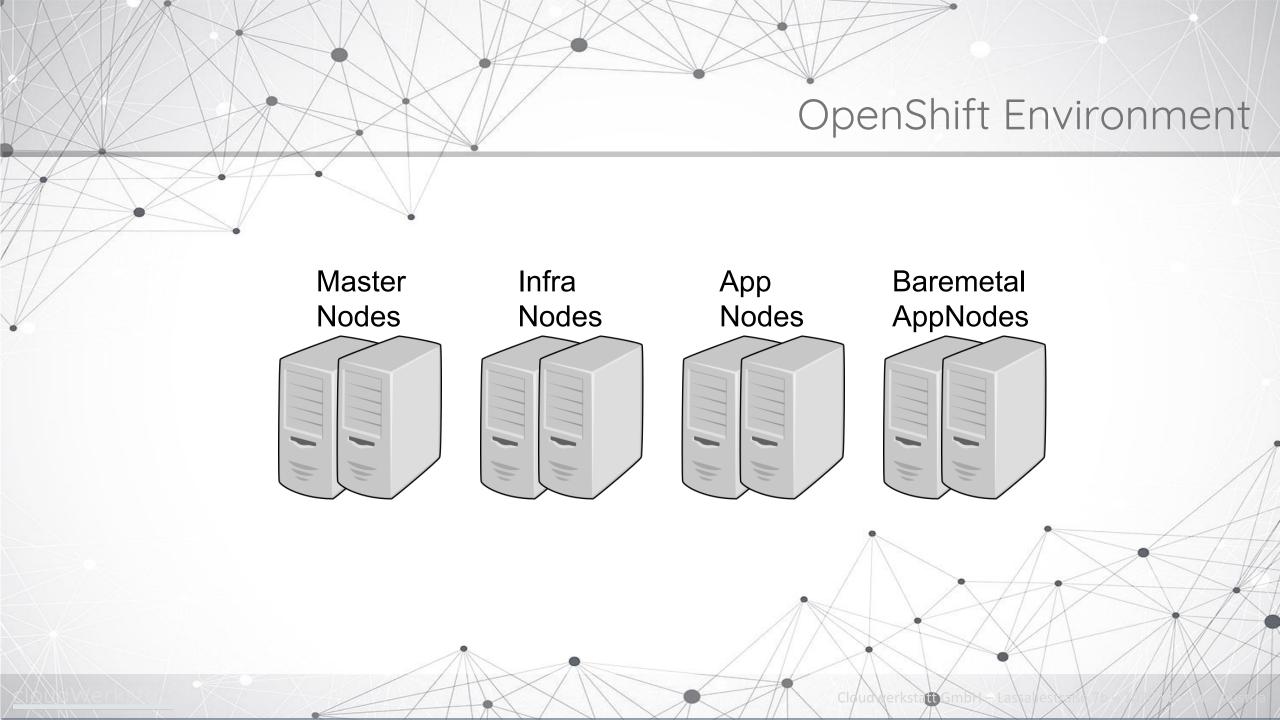
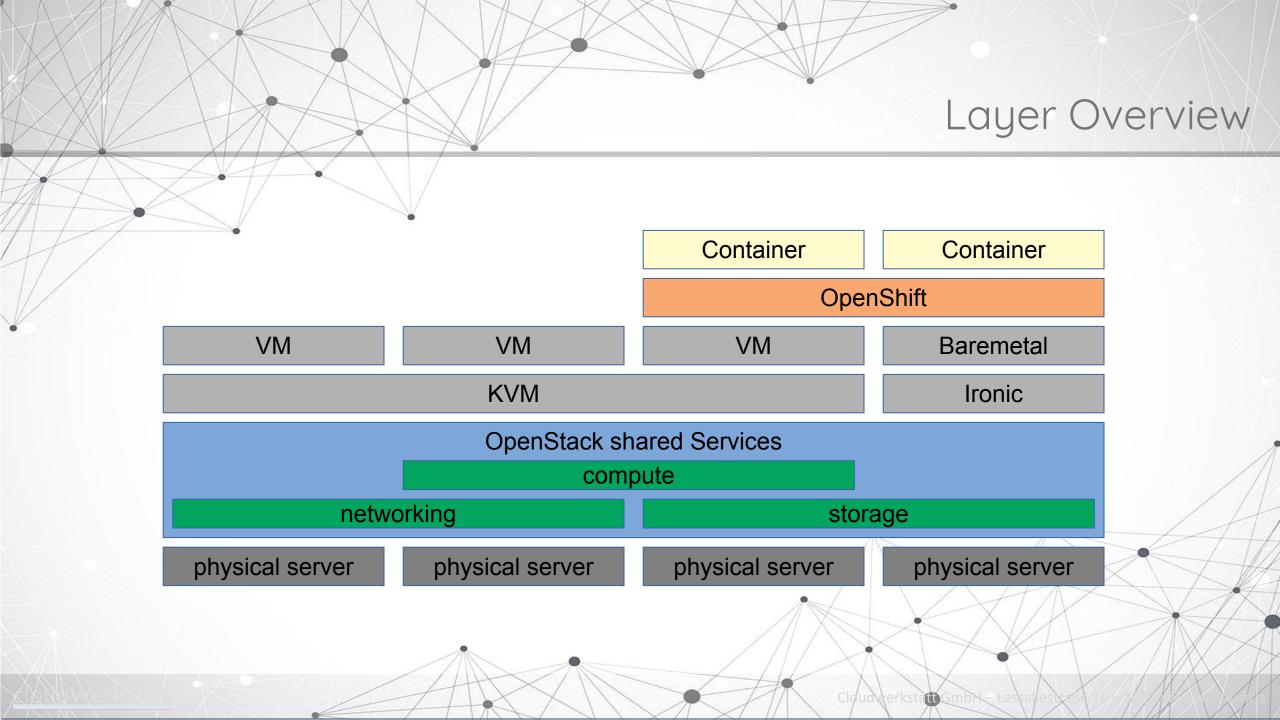
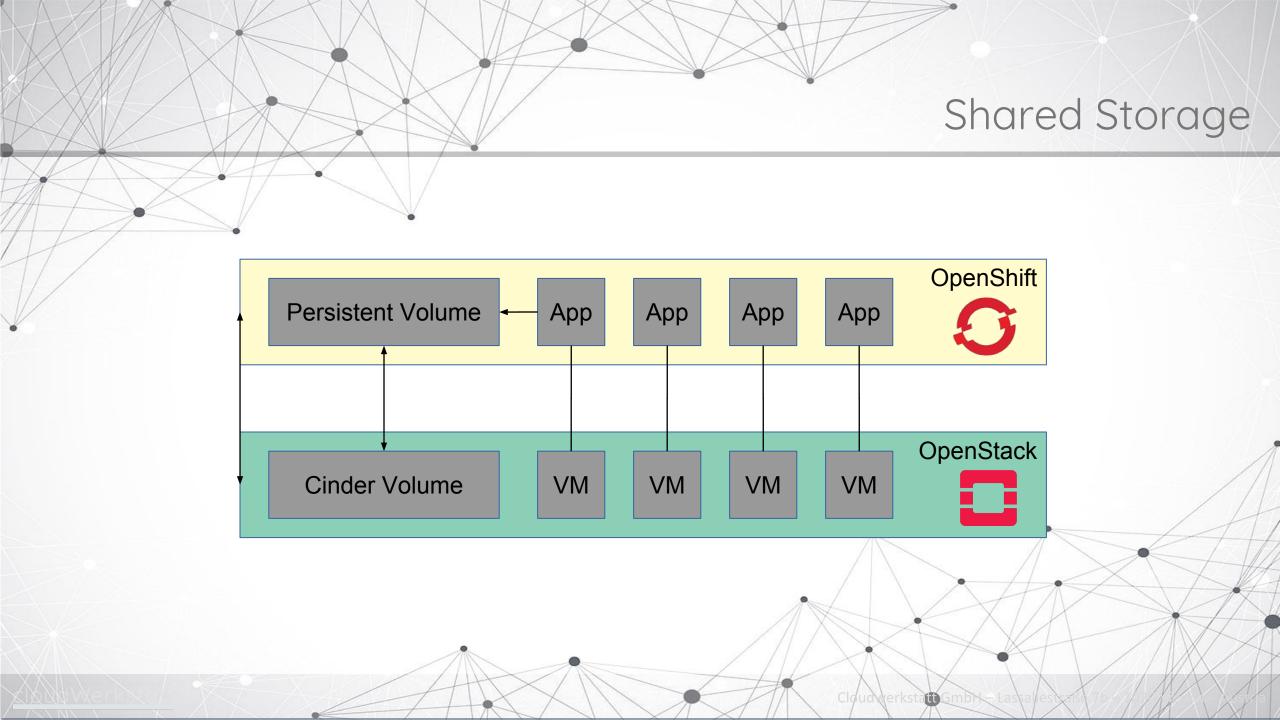


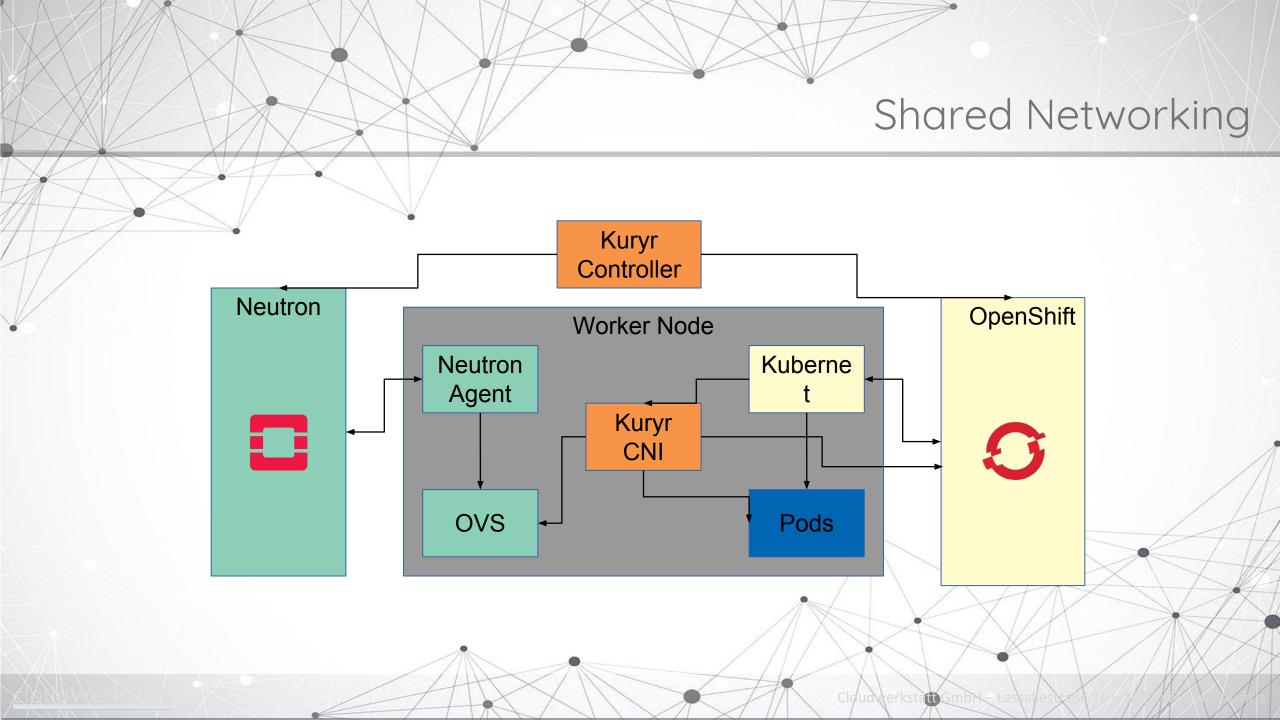
OpenStack Environment **Internal Network Tenant Network** Storage Network **External Network** Provisioning Network OpenStack OpenStack **OpenStack OpenStack** Baremetal Compute Undercloud Storage Controller Node **Baremetal Network** Cloud verkstatt Gm

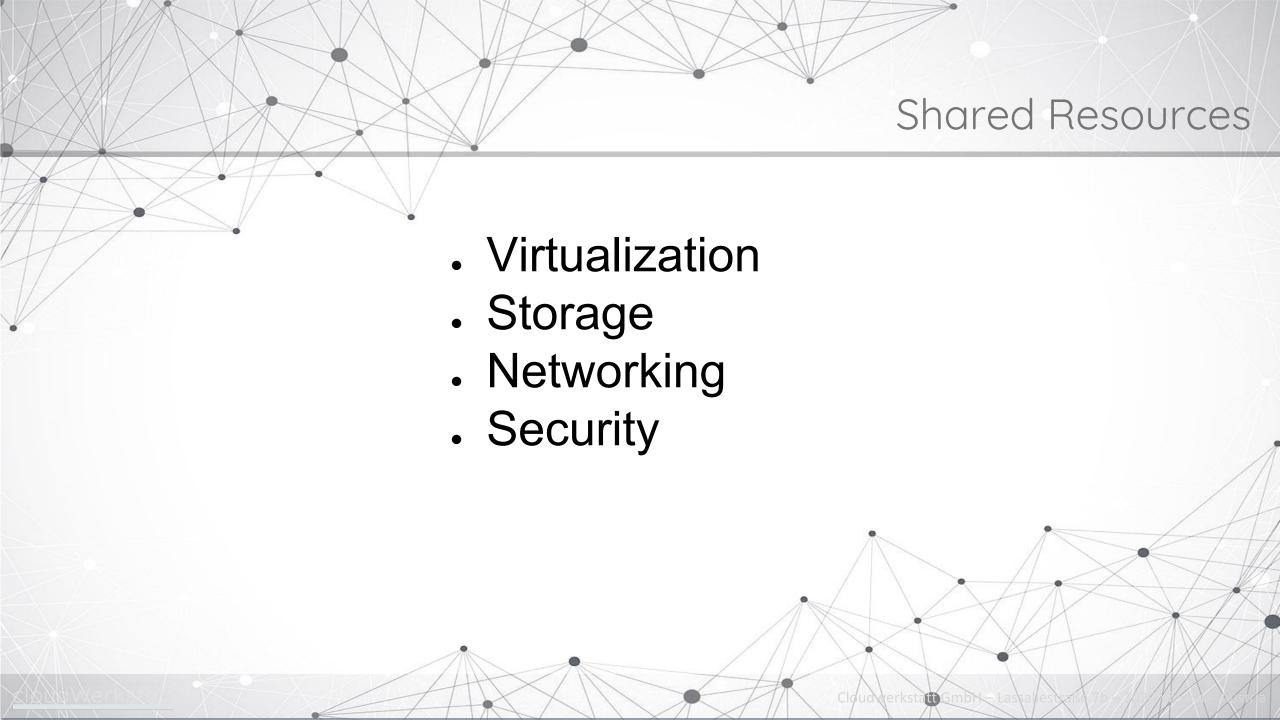


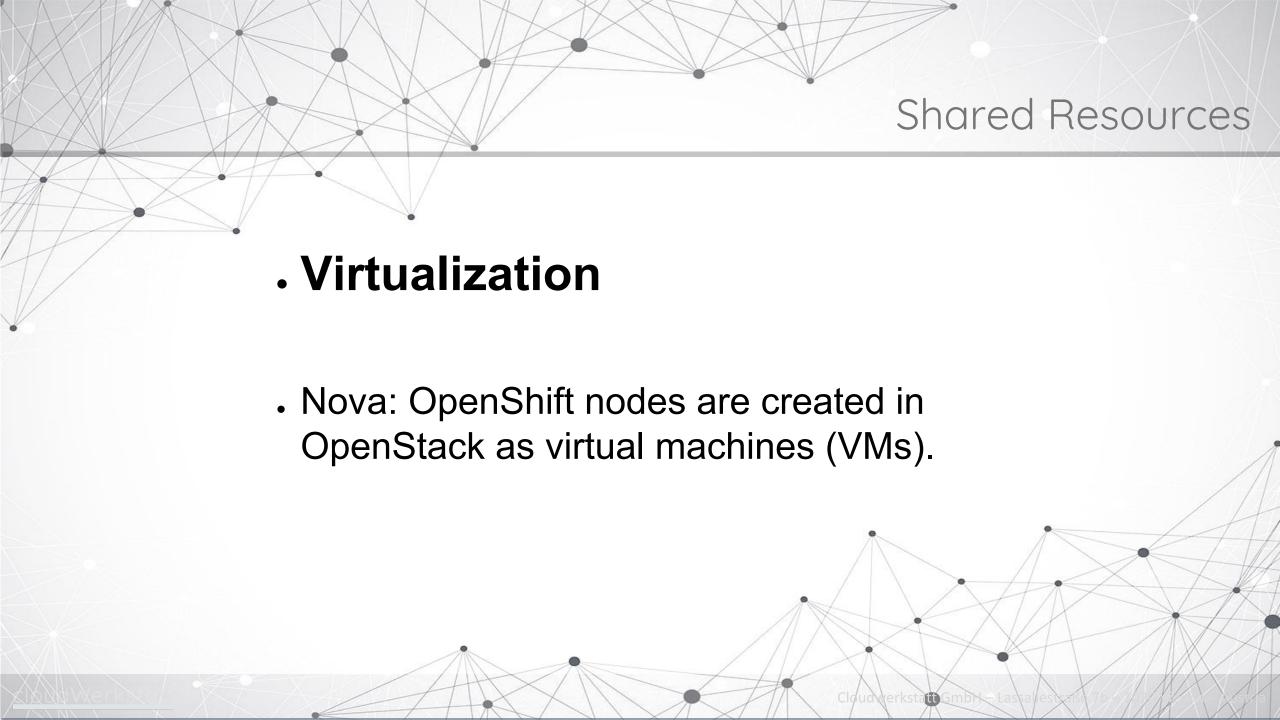












Shared Resources

. Storage

• Cinder: Storage Class in OpenShift and Persistent Volumes (PV) can consume volumes implemented by OpenStack Block Storage service.

• Swift: Internal registry in OpenShift uses OpenStack Object Storage service as its storage backend.

Shared Resources

Networking

• **Neutron**: OpenShift uses OpenStack Networking to implement the service and pod networks.

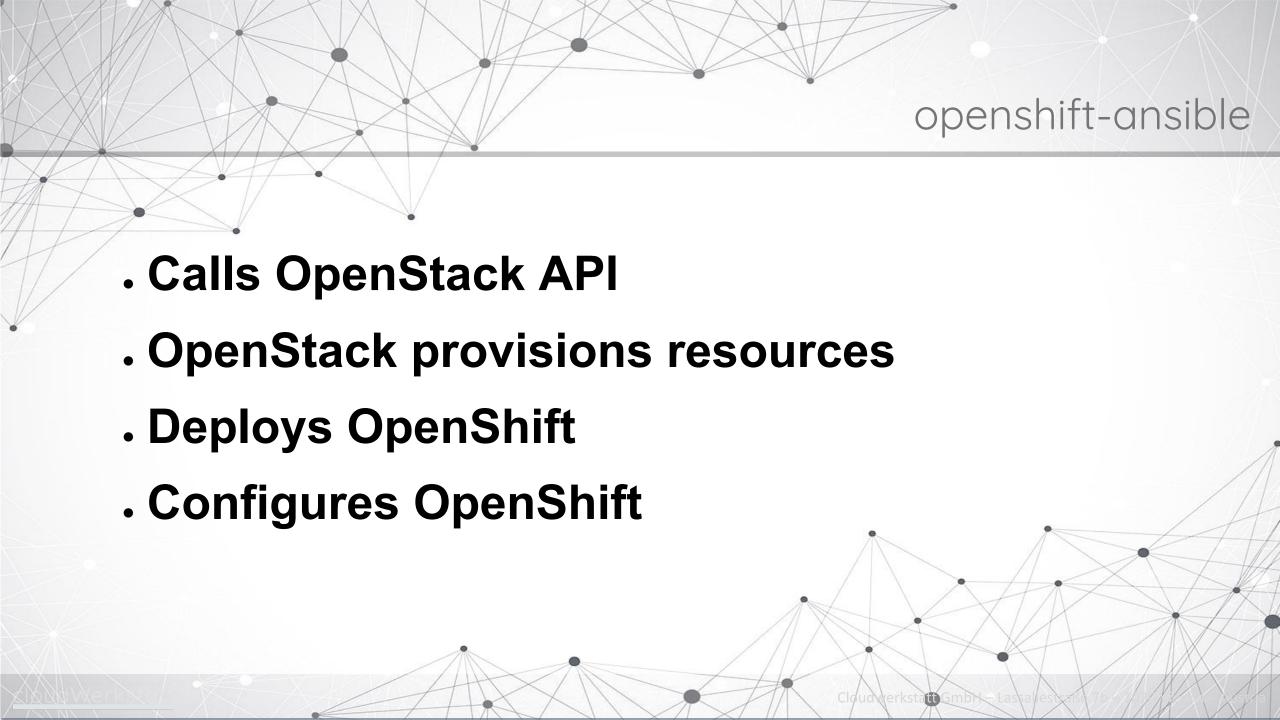
 Octavia: Services inside OpenShift use OpenStack Load Balancer service to expose the applications.

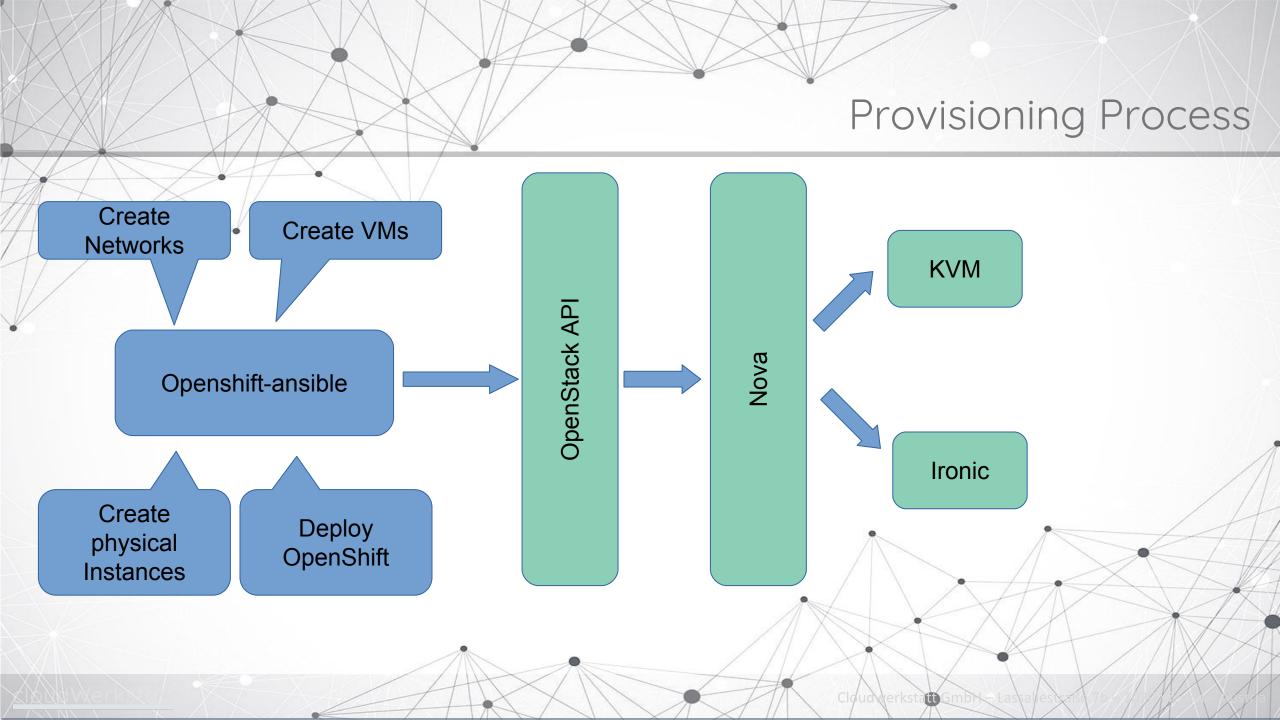
Shared Resources

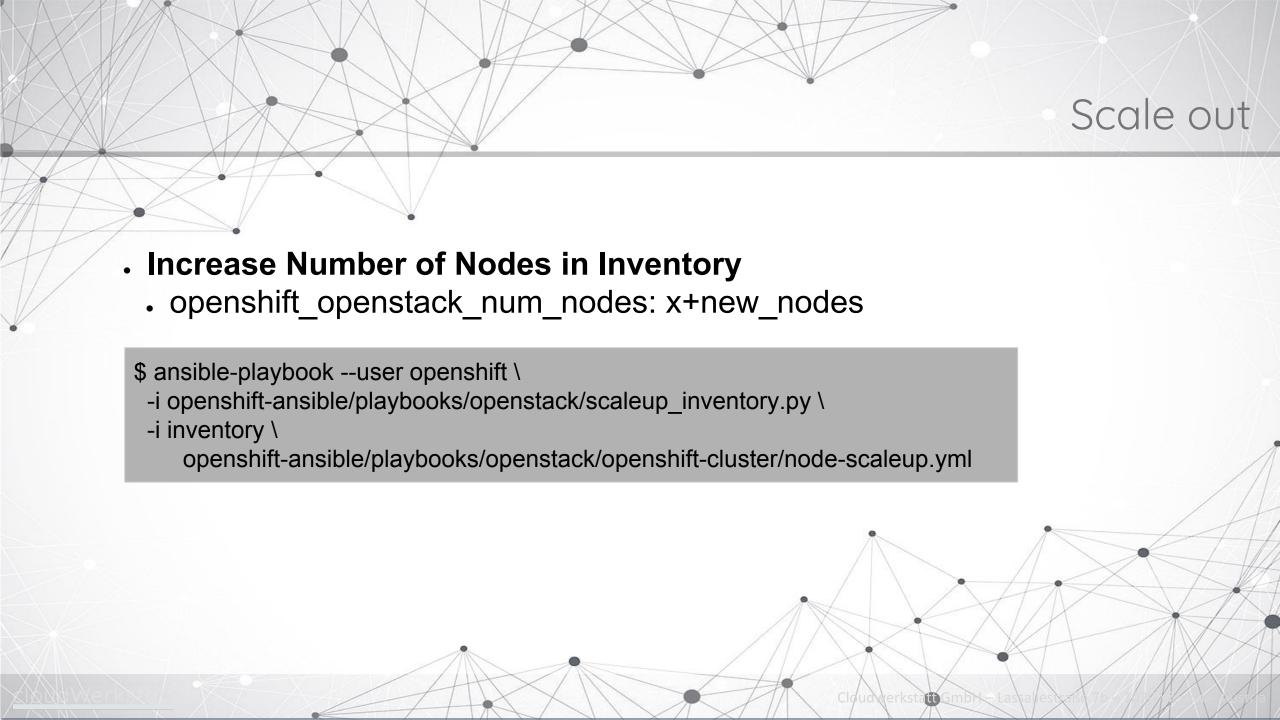
. Security

• Security groups: Allow or deny internal and/or external communications with the OpenShift cluster.

 Barbican: Consuming a Cinder volume can involve encryption of the disk using Barbican for key management.







Upcoming features Auto-scaling on OpenStack . Designate (DNSaaS) Integration

