

OpenStack Documentation

Official OpenStack documentation for end-users

<https://docs.openstack.org/horizon/train/user/index.html>

Nova: Compute Service (Virtual Machines)

<https://docs.openstack.org/horizon/train/user/launch-instances.html>

<https://docs.openstack.org/nova/train/user/>

Neutron: Network Service (Software Defined Network)

<https://docs.openstack.org/horizon/train/user/create-networks.html>

<https://learning.oreilly.com/library/view/learning-openstack-networking/9781788392495/5a3df5cf-aebb-4c57-9f48-fa5419a5b2ae.xhtml> (free with TU Wien email)

Neutron: Firewall Service (Security Groups)

<https://docs.openstack.org/horizon/train/user/configure-access-and-security-for-instances.html>

Octavia: Load Balancer Service

<https://docs.openstack.org/octavia/latest/user/guides/basic-cookbook.html>

Cinder: Storage Service (Volumes)

<https://docs.openstack.org/horizon/train/user/manage-volumes.html>

Manila: Share Service (CephFS, NFS, Samba)

<https://docs.openstack.org/manila/train/user/>

Glance: Image Service (OS Images)

<https://docs.openstack.org/horizon/train/user/manage-images.html>

<https://docs.openstack.org/glance/victoria/user/>

Management Login

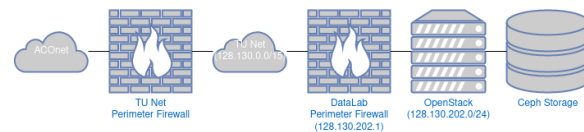
<https://os.datalab.tuwien.ac.at/>

(TU Net only)

Resources

Resource	
VCPUs	1376
Memory	6.5 TB
Storage (Ceph)	~ 75 TB redundant all-flash storage
Backup Storage (NFS)	~ 350 TB (HDD Raid 6)
GPUs	12 x RTX 2060 Super 2 x RTX Titan 2 x Tesla T4
Network	2 x 100G for Ceph 2 x 25G for compute nodes

Firewall Configurations



TU Net Perimeter Firewall

- Port 80 (HTTP) and 443 (HTTPS) open

DataLab Perimeter Firewall

All ports open, except:

- Port 22 (SSH) only for TU Net