

[SCP] Openstack

[SCP] Openstack is a highly scalable IaaS service, for your public or private/hybrid cloud, operated from a modern datacenter in Prague. Available as reserved capacity or simply using pay-as-you-go. Accessible over a self-service portal.

The service contains:



Virtual servers

- Large selection of supported OS including Windows Server, CentOS, Ubuntu, Suse/Suse 4 SAP



Software defined storage

- File Storage
- Block Storage
- S/3 Object Storage



Software defined networking

- Multi-Tenancy via OpenvSwitch & VXLAN
- Networking Automation
- IP Pooling



High Performance and Capacity

- Service runs on a homogenous **cluster expandable to 250+ physical servers** with 7000+ physical cores, 90+ TB RAM and Petabytes of usable storage space
- Expansion options for extreme capacity storage - up to **dozens of Petabytes**
- Runs on the latest hardware directly from manufacturer (Foxconn)



Flexibility

Ease of deployment and access using new software defined data center features, by way of wizards allowing for easy:

- Automation of environment creation using pre-defined orchestration templates
- Wide range of integration and customization options
- Unified API and user environment interface
- Dynamic creation of networks using virtual networks, virtual firewalls, and virtual load balancers



Safety, Security and Reliability

- Operated from own datacenter designed according to Tier III standards and ISO 27001 certified
- Network security
 - Virtual firewall (iptables) plus physical firewall (VDM)
 - DDoS protection
 - VPN (StrongSwan, IPSEC, pFsense)
 - Load balancing (haproxy), F5
- All service components operated in high availability mode
- Redundant network infrastructure on L3 layer
- Unified identity management for service access
 - LDAP, ActiveDirectory
- Triplication of data blocks using CEPH
- Even load distribution across the whole cluster
- Encryption-ready



Connectivity and Network Options

- Carrier-neutral data center
- Three redundant backbone connections
- Two independent connections to third-party peering points (TTC Teleport and CE Colo „telehouses“)
- Option of PoP directly inside the telehouses and peering to NIX
- SafeDX is a public IP range provider (IPv4)
- Unmetered data transfers and high SLAs



FOXCONN




Please do not hesitate to contact us

with request for further information or proposal.

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SafeDX