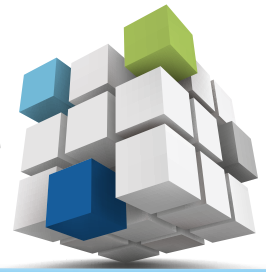


# MOST POWERFUL VIRTUALIZATION PLATFORM IN BALTICS

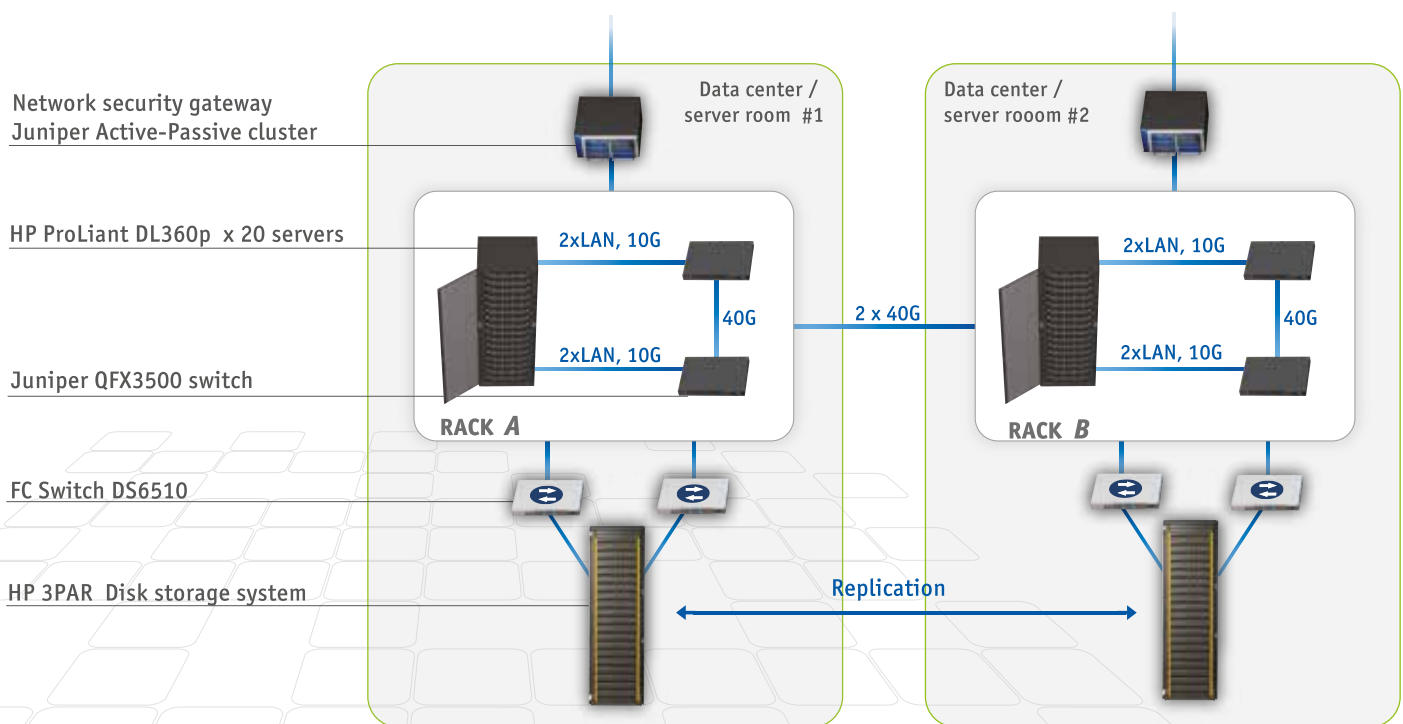


## DEAC VIRTUALIZATION PLATFORM

Our experience of the cloud solutions over the past years allowed us to develop and implement one of the most modern and reliable virtualization platforms among other similar systems available in the global market.

Tight integration between components of virtualization platform, gathered experience and streamlined operational processes as well as data center's infrastructure, built according to Tier 4 standards\*, and components from leading vendors HP, Juniper, VmWare allow us to provide a highly reliable virtualization platform with the planned Uptime up to 99,995% within the next three years.

## VIRTUALIZATION OPERATION SCHEME



## ADVANTAGES

- Flexible and dynamic IT resources management
- Server consolidation
- Highest availability level
- Virtualized Disaster recovery
- Reduction of CAPEX and OPEX
- Increased energy efficiency

# VIRTUALIZATION PLATFORM COMPONENTS

HP & Juniper hardware platform

Engineers experience, streamlined operational processes

VMware software platform

High SLA levels

## HP & Juniper hardware platform

Double Juniper SRX 3600 cluster protects virtual resources against DoS, creates VPN channels and other network services.

**Computing resources:** twenty HP DL360p Gen8 servers with memory 384 GB each (scalable up to 768 GB) and two processors, Turbo Boost up to 3.8Ghz to each core.

**Storage:** Cluster with two HP 3PAR 7400 with replication, efficient storage capacity of 200TB (scalable up to 1.1PB), with additional solutions to be implemented: multi-site replication, auto-tiering, Virtual Domains, Adaptive Optimization, Wide Stripe, Fast RAID and other technologies.

**Data migration:** 10G, redundant, 40G stacking switches.

**Data Storage:** based on 8G FC with an upgrade option to FC 16G.

## VMware software platform

We are using virtualization industry leader's solution - VMware vCloud Service Provider Bundle - Premier Plus Edition, this package was built on the basis of vCloud Suite 5.5 solution and includes:

- VMware vCenter Operations Management Suite™ Enterprise Edition, including vCenter Configuration Manager, vFabric Hyperic and vCenter Chargeback Manager™
- VMware vCloud Connector Advanced (NEW)
- VMware vSphere Enterprise Plus
- VMware vCenter Server™ Standard
- VMware vCloud® Director™, which includes vShield for vCloud Director
- VMware vCloud Networking and Security, which includes VPN, load balancing and high availability firewall features
- VMware vCloud Usage Meter

It is the most efficient solution option, that allows to realize complex IT-tasks using current VMware technologies.

This platform was created using VSPP model and is supported by vendor.

## Engineer experience, streamlined operational processes

22 engineers work in DEAC technical department (some of them are working for more than 8 years). During several last years engineers gained valuable experience in operational processes with VMware virtualization systems.

Engineers have gained essential experience in operational processes with own and customer's systems, including high-reliability and high-load systems, operational procedures were adjusted, complex monitoring systems of engineering systems and infrastructure of data centers were developed. All this along with established interaction processes with vendors and solution realization allows us to guarantee continuous solution's operation.

## High SLA levels

All virtualization system nodes designed at 2N or 2(N+1) level, Next Business Day On-site vendor's service contracts for all the equipment including delivery of necessary parts for the service next day after the incident. A service contract with VMware for priority support in case of incident with VMware system software.

DEAC engineer service works and provides technical support and online monitoring 24 x 7, without holidays and days off, and provides current maintenance of data center systems and particularly virtualization system.

\* - independent energy sources, redundant power supply, N+1 UPS, climate control and fire suppression systems, multiple redundant telecommunication channels.