

## NETWORK INFRASTRUCTURE AND DATA CENTRES

We design, implement and secure operation of extensive systems

### Network infrastructure – our computer network solutions are based on products of reputable manufacturers

- › Cisco Systems
- › Hewlett Packard Enterprise (Aruba)
- › Extreme Networks
  
- › **Corporate networks** – L2, L3, L4+ solutions. We implement integration of technologies and protocols from various manufacturers. We assist in the process of suitable LAN segmentation and introduction of internal rules.
- › **ISP and metropolitan networks** – we are able to design and built effective and extensive network, including the operation department, accounting and suitable shaping. We can design an architecture for dynamic development for you, taking into account specified strategies. We are able to assist in the process of defining extension services of the media streaming, VoIP and other types (introducing multicast).
- › **Wireless networks** – we specialize in company solutions as well as ISP point-point solutions. Our objective is to ensure the maximal possible added value from the operated wireless networks for you. The services in question include especially the following:
  - › Device localization for the purpose of securing safety, inventories or offers of business services to customers, while considering the given physical location.



- › Optimizing data transmissions from the perspective of utilizing wireless networks (such as IP telephony, mobile localization, bar code readers, mobile terminals, etc.). Ensuring transmission and access (BYOD, 802.1X), encryption of transmitted data, authentication of users and hosts, integration with directory services or even, for example, simple login via social networks.
- › **Linux system services** – from the perspective of efficient utilization of open tools of the following types: proxy, mail gateway, groupware, spam protection, log collections, configuration backups, terminal access and much more.
- › **Administration and security** – we are able to implement the most desired tools for NAC network access management. We can implement tools for the administration of the directory area as well as for common orchestration of network elements.

## Data centers – we will be glad to design and implement them and to assist you with their operation. We focus especially on the following technologies:

- › Servers (platforms x86 Intel and AMD, IA64 Intel)
- › Hardware disk storage areas (block or file data organization, NAS, SAN, VTL, D2D)
- › Software-defined disk storage areas (HPE VSA)
- › Server operating systems (Windows, Linux)
- › Server visualisation (VMware, Hyper-V, KVM)
- › Support technologies (power supplies, cooling, racks, cable supervision and organization)
- › Convergent infrastructure (FCoE, Ethernet, FC, ISCSI, SAS)
- › Orchestration (application virtualization, active elements, servers, storage, users)
- › Advanced orchestration beyond the frame of common tools (OpenStack, NSX)
- › Backup systems (virtual machines, databases, local stations, mobile devices)
- › Virtualization at the operating system/container level (Dokker)
- › Monitoring (from the load and utilization perspective, independently of the given HW and SW manufacturers)

**We build competencies mainly on the Hewlett Packard Enterprise and Fujitsu products.  
We also cooperate with IBM/Lenovo and DELL.**

