ICZ

TRUSTED COMPUTER BASE®

TRUSTED COMPUTER BASE® PROVIDES EXTENSIVE METHODOLOGY FOR COMPUTER INFRASTRUCTURE IMPLEMENTATION TO ESTABLISH A SECURE ENVIRONMENT FOR APPLICATION FLOWS AND INFORMATION SYSTEMS.

[TRUSTED COMPUTER BASE]

Trusted Computer Base ensures secure computer infrastructure providing resources for managing access to assets in compliance with the following standards:

▶ The organization's security policy

▶ ČSN ISO/IEC 27001

▶ ČSN ISO/IEC 17799

▶ Act No 101/2000 on Personal Data Protection

▶ Act No 412/2005 on Classified Information Protection and Security Competence

▶ The Cyber Security Act under preparation

Trusted Computer Base® consists of special methodologies for implementation, consolidation and security of networks based on Microsoft Windows and VMware vSphere technologies:

▶ Virtualization of servers and terminals

▶ Server and terminal operating systems

▶ Directory services and computer management

▶ Infrastructure network services

[VISION]

Trusted Computer Base provides a unified platform for information system operation and provides security functions and high operational reliability right from the computer infrastructure level. Our methodology takes maximum advantage of existing technology investments and fully utilizes all their features.

The implementation of projects based on Trusted Computer Base methodology increases the efficiency of ICT resource utilization in an organization, and allows the organization to focus on its basic objectives.

[BENEFITS]

The main benefit of Trusted Computer Base consists in the implementation of a unified security level across the organization's ICT environment to provide the required security level for all the operated information systems.

Security services that can be used by the information systems to additionally increase security during sensitive information processing are available at computer infrastructure level.

FEATURES AND BENEFITS

▶ Unified security policy - secure computer infrastructure for information system operation

▶ Administration centralization – management of computer configuration and security via Active Directory

▶ Investment protection - maximum utilization of any already purchased operating system license features
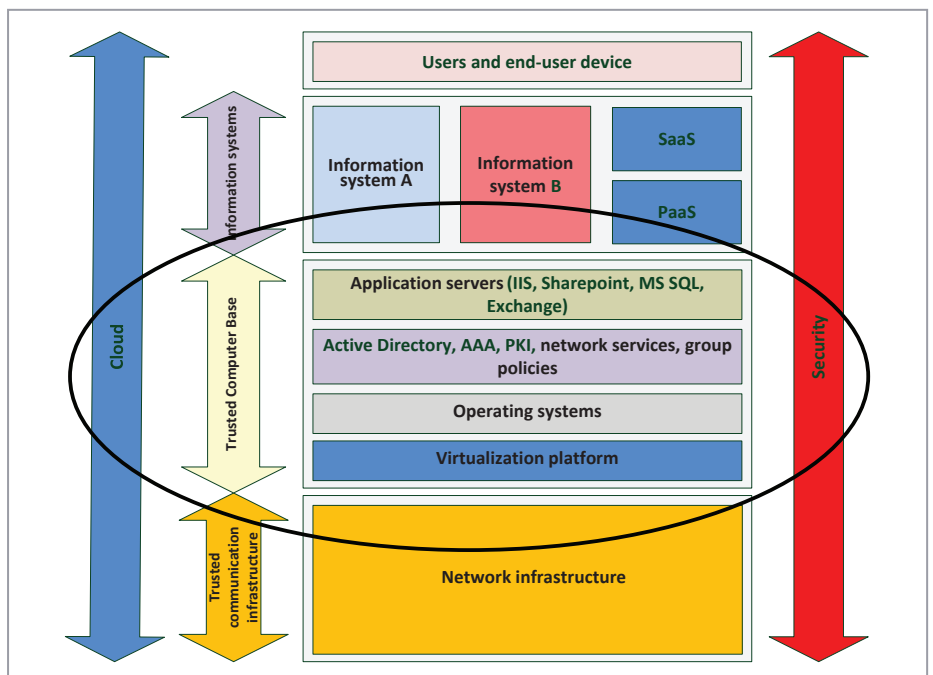
[TRUSTED COMPUTER BASE]

[PRINCIPLES]

Trusted Computer Base methodology is based on our long-term experience with the design, implementation and entrusted administration of implemented technologies in large-scale networks including hundreds of servers and thousands of users and terminals.

The basic methodology principles emphasize operating system and network security, based on Microsoft Security Compliance Manager and VMware vSphere Hardening Guide, used to assess security according to Common Criteria.

[FIELDS]

Security
▸ Antivirus and antispam protection
▸ Access to/from the Internet
▸ Mobile device management
▸ Data encryption for notebooks
▸ Data backup and archiving

Administration
▸ Operational and security monitoring
▸ Log collecting, assessing and archiving
▸ Update management

Applications
▸ Helpdesk systems
▸ E-learning systems

Virtualization
▸ Virtualization of servers and workstations
▸ Private and hybrid Cloud

Integration
▸ Identity and access management
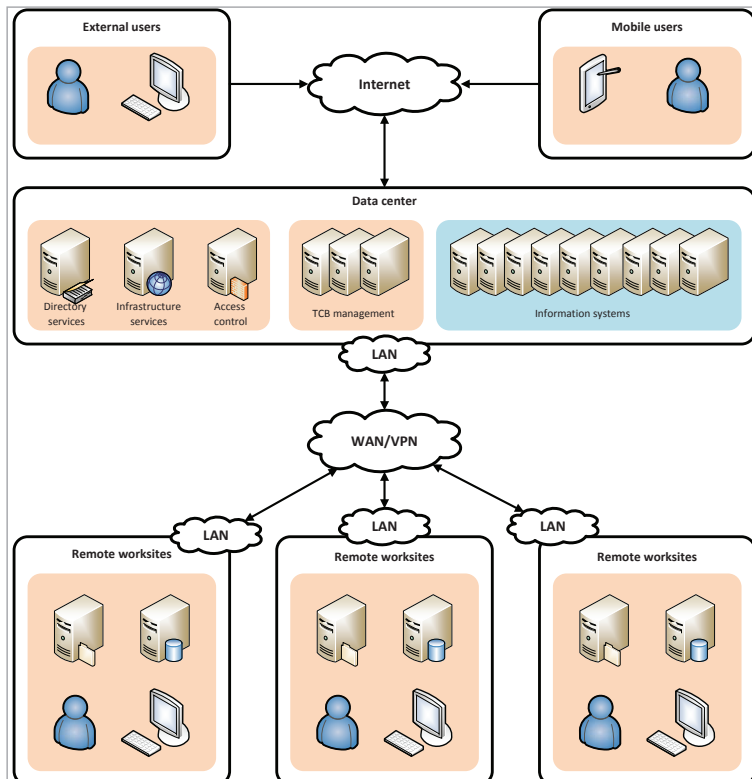▸ Two-factor authentication
▸ Certificates and smart cards

Servers
▸ Directory services
▸ Servers and workstations software updates
▸ File and print services
▸ Electronic mail

Terminals
▸ Workstation lifecycle management
▸ User desktop management

■ Trusted Computer Base

COMMERCIAL CONTACT

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