ICZ

MICROSOFT EXCHANGE SERVER

DESIGN, DEPLOYMENT, UPGRADE, SECURITY AND ENTRUSTED ADMINISTRATION

MICROSOFT EXCHANGE SERVER IS NOT JUST A MAIL SERVER – IT IS ALSO A MANAGEMENT, COLLABORATION AND INFORMATION SHARING PLATFORM. IT PROVIDES SECURE ACCESS TO INFORMATION FROM VARIOUS DEVICES ANYWHERE AND ANYTIME.

Contemporary organizations need not only basic agenda information systems but also an electronic mail system to enable collaboration, information sharing, and exchange and resource management.

It is becoming ever more apparent that email systems are in the so-called business-critical applications category, with high demands on security, stability and availability of the whole solution.

[SOLUTION INTRODUCTION]

Microsoft Exchange Server provides a rich set of technologies and services to support organizations and users in their transfer from communication-focused activities to collaboration-focused activities.

Exchange Server is a platform for effective cooperation and secure communication within an organization, between partner organizations within extranets or outside. This cooperation can be based either on traditional email or on real-time communication, voice communication, or fax.

The current Exchange Server version supports deployment in a business environment, combined deployment with some users being managed locally and some in a cloud, and also a fully cloud-based solution. This solution provides maximum flexibility in financing and space for optimization of the costs needed for purchasing and operating the technology.

Microsoft Outlook, the end-user software, makes it possible to utilize all Exchange Server features, and also integrates with social networks and other web services. It therefore fulfils the role of the user's information and communication portal.

FEATURES AND BENEFITS

▶ Increased collaboration and management efficiency

▶ Access anywhere and anytime

▶ Effective cooperation across organizations

▶ Reliable and proven technology

▶ Highly scalable technology

▶ High availability options

▶ Private, cloud and hybrid deployment

▶ Integration with other Microsoft products

▶ Efficient administration, proactive monitoring, and resolution of operational problems

▶ Built-in security technologies and integration options for various advanced security technologies of information protection

[EXCHANGE SERVER PROJECT]

The Microsoft Exchange Server implementation project pays close attention to the maximum utilization of invested funds and of all suitable solution characteristics, while complying with the different requirements for provided services and the seamless integration of services into the communication and server infrastructure. To comply with requirements and meet expectations, we usually prepare a project that includes the following stages:

▶ Analysis

▶ Architecture design

▶ System project

▶ Implementation

▶ Entrusted administration or operational support

[COMPLIANCE WITH LEGAL REQUIREMENTS]

The effective management of business records is of decisive importance in today's world governed by increasing amounts of directives, regulations and requirements. This applies also to email, which has become the main source of data for legal and other investigations related with compliance. Exchange Server contains the following functions for legal compliance::

▶ In-Place Hold (Litigation Hold)

▶ Data Loss Prevention (DLP)

[ACCESS FROM ANY DEVICE ANYWHERE]

Great emphasis is placed on information availability on tablets and smartphones due to the dramatic growth of these technologies.

Outlook Web App (OWA)

Provides access to the mailbox via a web browser. Contemporary design and functionality come very close to the full-fledged Microsoft Outlook application.

Exchange ActiveSync (EAS)

Provides access from mobile devices and synchronizes mailbox contents, calendars and tasks to a mobile device. The OWA user interface enables paired device monitoring and deletion if necessary (theft, loss).

Outlook Anywhere

Mailbox access via Microsoft Outlook whether the connection is from a local network or from the Internet. No VPN is necessary for remote access.

[AVAILABILITY AND SECURITY]

Service availability is ensured through:
▶ Environment security configuration
▶ Design and deployment of highly available Exchange servers and data storages
▶ Remote access security

Environment Security Configuration

Environment security configuration is ensured through:
▶ Security configuration of the Exchange server operating system
▶ Security configuration of the Active Directory domain
▶ Security configuration of the workstations operating systems
▶ Update management process

High Availability

High availability is implemented using mailbox database content replication to multiple Exchange servers together with the balancing of servers to access these databases. This technology is called Database Availability Group (DAG). Specialized hardware-based balancers can be used for balancing, or alternatively balancing at the Microsoft Windows operating system level can be used (Network Load Balancing - NLB).

Remote Access Security

Access can be secured by two-factor authentication besides the standard mailbox access using a user name and a password. In such a case, you need a certificate in the device storage, besides the name and the password, or a one-time password.

[EXCHANGE SERVER TECHNOLOGIES]

Microsoft Exchange Server can include and use the following services and technologies, depending on analysis and design:

Addressees and Address Books
▶ Unified address book
▶ Configurable address lists
▶ Personal address books
▶ Group address books

Group Collaboration
▶ Time organization
▶ Tasks
▶ Shared folders

Web Services
▶ Access anywhere
▶ Heterogeneous clients
▶ Security via certificates

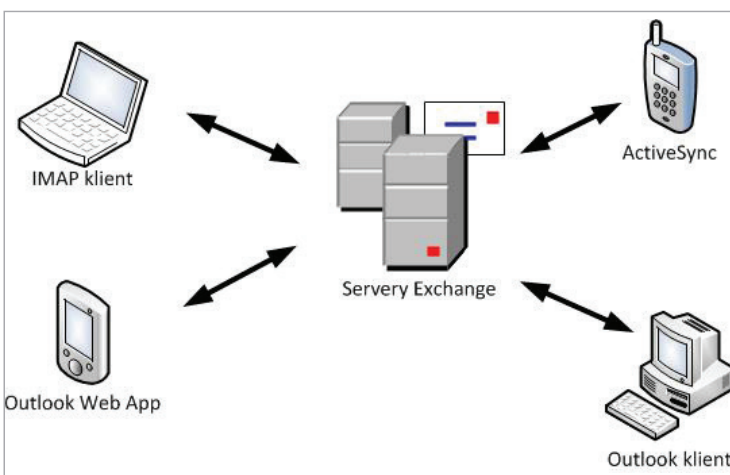### Administration Management and Delegation
▶ RBAC

Email Database
▶ Large capacity
▶ Lower IOPS requirements
▶ Database portability
▶ VSS backup
▶ Geographic clusters
▶ Archiving

Extranets Creation
▶ Federation
▶ Information sharing across organizations

■ Exchange clients

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