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NEXT BIG THING IS HERE

CHECK MY BLOG HERE

HTTP://BIT.LY/1JSYCNF
AGENDA

• Exchange 2016 Overview
• Exchange 2010 VS Exchange 2016
• Active Directory Requirements
• Coexistence
• System Requirement
• Prerequisites
• Deployment Challenges
• Migration Challenges
• Summary
SURVEY

Have you deployed Exchange 2016?

Survey Result = %
EXCHANGE 2016 OVERVIEW

• Exchange Life Cycle
  • 4.0 | 5.0 | 5.5 | 2000 | 2003 | 2007 | 2010 | 2013 | 2016

• 2013 to 2016 What’s new

• 2010 to 2016 What’s new
  • http://msexchangeguru.com/2015/09/30/e2016-new-features-to-e2010/

• Only CU and no SP

• Roles: Mailbox or Edge Transport

• Search Indexing
  • Exchange 2013/2010 from Active Database
  • Exchange 2016 moving to Passive

• Recommended File System

• Virtualized or Physical

• Multi-factor Authentication
EXCHANGE 2010

- EMC
- MBX+CAS+HT Role required
- Mostly Mapi else RPC over HTTP
- Litigation Hold
- PF Database
- Manual Disaster Recovery to 2nd AD Site

EXCHANGE 2016

- EAC
- Only MBX Role required
- MAPI over HTTP and RPC over HTTP
- Document Collaboration and Site Mailbox
- SafetyNet
- AutoReseed
- 3 DC expanded Auto DAG
- Improved Litigation Hold + DLP
- PF Mailbox
- Managed Availability
- New Audit Mailbox
ACTIVE DIRECTORY REQUIREMENTS

Forest Functional Level – Windows 2008 or higher
Domain Functional Level – Windows 2008 or higher
All Domain Controllers must be Windows 2008 or higher
All AD Sites with Exchange Server – 1 DC with GC
64 Bit Domain Controller Recommended
COEXISTENCE

Exchange 2007 – Not Supported

Exchange 2010 – SP3 RU11 or Higher

Exchange 2013 – CU 10 or Higher

Edge Transport – Same Requirement

Exchange 2013 + 2016 – Same LB
<table>
<thead>
<tr>
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<tbody>
<tr>
<td><strong>OWA/ECP</strong></td>
<td>Same AD Site: Proxy to CAS 2010 or Different AD Site: Silent SSO cross-site redirect (with ExternalURL) or proxy (without External URL)</td>
<td>Same AD Site: Proxy Internal AD site: Proxy</td>
<td>Same AD Site: Proxy to E2013 MBX w/Active DB</td>
<td>Same AD Site: Proxy to E2015 MBX w/Active DB</td>
</tr>
<tr>
<td><strong>EAS</strong></td>
<td>Proxy to CAS 2010</td>
<td>Proxy to CAS 2010</td>
<td>Proxy to MBX 2013 with Active DB</td>
<td>Proxy to Exchange 2016 with Active DB</td>
</tr>
<tr>
<td><strong>Outlook Anywhere</strong></td>
<td>Proxy to CAS 2010</td>
<td>Proxy to CAS 2010</td>
<td>Proxy to MBX 2013 with Active DB</td>
<td>Proxy to Exchange 2016 with Active DB</td>
</tr>
<tr>
<td><strong>EWS</strong></td>
<td>Proxy to CAS 2010</td>
<td>Proxy to CAS 2010</td>
<td>Proxy to MBX 2013 with Active DB</td>
<td>Proxy to Exchange 2016 with Active DB</td>
</tr>
<tr>
<td><strong>POP/IMAP</strong></td>
<td>Proxy to CAS 2010</td>
<td>Proxy to CAS 2010</td>
<td>Proxy to MBX 2013 with Active DB</td>
<td>Proxy to Exchange 2016 with Active DB</td>
</tr>
<tr>
<td><strong>OAB</strong></td>
<td>Proxy to CAS 2010</td>
<td>Proxy to CAS 2010</td>
<td>E2016 proxies the request to OAB generation mailbox with the OAB or a shadow copy of the OAB</td>
<td>E2013 proxies the request to OAB generation mailbox with the OAB or a shadow copy of the OAB</td>
</tr>
<tr>
<td><strong>MAPI/HTTP</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>Proxy to MBX 2013 with Active DB</td>
<td>Proxy to Exchange 2016 with Active DB</td>
</tr>
<tr>
<td><strong>RPS</strong></td>
<td>Proxy to CAS 2010</td>
<td>Proxy to CAS 2010</td>
<td>Proxy to MBX 2013 with Active DB</td>
<td>Proxy to Exchange 2016 with Active DB</td>
</tr>
<tr>
<td><strong>AutoDiscover</strong></td>
<td>Proxy to CAS 2010</td>
<td>Proxy to CAS 2010</td>
<td>E2016 proxies the AutoDiscover request to E2013 MBX with the user’s active DB copy</td>
<td>E2013 CAS proxies the AutoDiscover request to the E2016 server with the user’s active DB copy</td>
</tr>
</tbody>
</table>
SYSTEM REQUIREMENTS

Processor

x64 architecture-based computer with Intel processor
AMD processor that supports the AMD64 platform is supported

Memory

Mailbox Role 8GB
Edge Transport Role 4GB

Disk Space

30 GB Minimum Disk Space on Exchange Setup Drive

Page File

Physical RAM + 10 MB or Max 32778MB
PREREQUISITS

Operating System

Windows 2012 standard or higher OS

.Net Framework

4.5.2 Recommended

Microsoft Unified Communications Managed API 4.0 core Runtime

Windows Management Framework 4.0

IIS Feature

DEPLOYMENT CHALLENGES

Supported Clients
- Outlook 2010 SP2 or later with KB2956191 and KB2965295
- Outlook 2013 SP1 or later with KB3020812
- Outlook 2016
- Outlook for Mac 2011 or Later
- MAPI/CDO clients are not supported
- Outlook 2007 is not supported
- Outlook for MAC 2008 EWS version is not supported

Windows 2003 Domain Controller Supported Application
- Forest Functional Level
- Domain Functional Level
- LDAP application dependency on Windows 2003 Dependency
- 3rd party dependency on Exchange 2007
- Schema update
- No LAB
MIGRATION CHALLENGES

3\textsuperscript{rd} Party Application Integration
Windows NLB
3\textsuperscript{rd} Party transport agent
No Lab Setup
Team Readiness
Budget
Change Approval
Back out Plans
Backups
Any other Challenge.
ON THE WAY

Search Indexing will be built from Passive database copy
Database failover will be faster
No Service Packs but Cumulative Update 1 coming early 2016
Auto Expandable Archives

More Interesting Features on the way.
MOVIE TIME

Introduction to Exchange 2016 – https://youtu.be/sZshZSH0dM4

Smarter Inbox - https://youtu.be/pKZZolintmKA

Collaboration - https://youtu.be/jaLptymmfAs

Outlook on the go - https://youtu.be/Na1t18l0Ayk

LAB CHECK

Let us experience Exchange 2016
SUMMARY

Exchange 2016 Overview

Compare Exchange 2010 with 2016

Exchange 2016 Coexistence

Exchange 2016 System and Prerequisite Requirements

Exchange 2016 Deployment and Migration Challenges
QUESTIONS???
CONNECTIONS FOR MORE

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✗ Microsoft Exchange Server 2013
✓ Facebook: Microsoft Exchange 2016
✓ LinkedIn: Microsoft Exchange Server 2016
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Merci
mulțumesc