

# Exchange Server 2019 CU12

Tech Talk – 16



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# **Exchange Server 2019 CU 12**

# Exchange Server 2019 CU 12

- Offizieller Wechsel zu **halbjähriger** Veröffentlichung von kumulativen Aktualisierungen
  - April und Oktober
- Hybride Exchange-Konfiguration **erfordert** das jeweils aktuelle CU für die installierte Exchange Version oder die Vorversion (N-1)
  - Bei Nutzung von Exchange Online Archivierung **muss** das aktuelle CU eingesetzt werden
- Exchange Management Tools-Rolle ermöglicht die **Stilllegung** des letzten Exchange Servers
- Unterstützung von Windows Server 2022
  - Exchange Server 2019 Unterstützung von **TLS 1.3** kommt in 2023

# Letzter Exchange Server

- Exchange Management Tools unterstützt nur die Empfänger-Verwaltung per PowerShell
- Postfächer und öffentlichen Ordner befinden sich in Exchange Online
- RBAC On-Premises wird nicht benötigt
- Überwachung oder Protokollierung für die Empfängerverwaltung wird nicht benötigt
- Keine Nutzung als SMTP-Relay für interne Applikation und Komponenten
- Letzter Exchange Server wird nur für die Empfängerverwaltung verwendet

# Letzter Exchange Server

- **Keine Deinstallation** des letzten Exchange Servers
- Bereinigung der Konfiguration
  - Entfernung des Federation Trusts
  - Bereinigung der OAuth Service Principal Namen in Azure AD
  - Entfernung des Modern Hybrid Migration Applikation bei einer Modern Hybrid Konfiguration
  - Bereinigung des lokalen Active Directory → CleanupActiveDirectoryEMT.ps1
- Installation der Exchange Server 2019 CU12 Management Tools
- **Herunterfahren** des letzten Exchange Servers

# Exchange Konfiguration

ADSI Edit

- Configuration [lon-dc1.adatum.com]
  - CN=Configuration,DC=Adatum,DC=com
    - CN=DisplaySpecifiers
    - CN=Extended-Rights
    - CN=ForestUpdates
    - CN=LostAndFoundConfig
    - CN=NTDS Quotas
    - CN=Partitions
    - CN=Physical Locations
    - CN=Services
      - CN=AuthN Policy Configuration
      - CN=Claims Configuration
      - CN=Group Key Distribution Service
      - CN=Microsoft Exchange
        - CN=Adatum
          - CN=Address Lists Container
          - CN=AddressBook Mailbox Policies
          - CN=Addressing
          - CN=Administrative Groups
          - CN=Approval Applications
          - CN=Auth Configuration
          - CN=Auth Policies
          - CN=Availability Configuration
          - CN=Client Access
          - CN=Connections
          - CN=ELC Folders Container
          - CN=ELC Mailbox Policies
          - CN=ExchangeAssistance
          - CN=Federation
          - CN=Federation Trusts
          - CN=Global Settings
          - CN=Hybrid Configuration
          - CN=Mobile Mailbox Policies
          - CN=Mobile Mailbox Settings
          - CN=Monitoring Settings
          - CN=OWA Mailbox Policies
          - CN=Provisioning Policy Container
          - CN=Push Notifications Settings

Name	Class	Distinguished Name
CN=Address Lists Container	msExchCont...	CN=Address Lists Container,CN=Adatum,CN=Microsoft Exchange,CN=Services,...
CN=AddressBook Mailbox ...	msExchCont...	CN=AddressBook Mailbox Policies,CN=Adatum,CN=Microsoft Exchange,CN=Ser...
CN=Addressing	msExchCont...	CN=Addressing,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN=Configu...
CN=Administrative Groups	msExchAdmi...	CN=Administrative Groups,CN=Adatum,CN=Microsoft Exchange,CN=Services,C...
CN=Approval Applications	msExchAppr...	CN=Approval Applications,CN=Adatum,CN=Microsoft Exchange,CN=Services,C...
CN=Auth Configuration	msExchAuth...	CN=Auth Configuration,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN=...
CN=Auth Policies	msExchCont...	CN=Auth Policies,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN=Confi...
CN=Availability Configurati...	msExchAvail...	CN=Availability Configuration,CN=Adatum,CN=Microsoft Exchange,CN=Service...
CN=Client Access	msExchCont...	CN=Client Access,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN=Confi...
CN=Connections	msExchCont...	CN=Connections,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN=Configu...
CN=ELC Folders Container	msExchCont...	CN=ELC Folders Container,CN=Adatum,CN=Microsoft Exchange,CN=Services,C...
CN=ELC Mailbox Policies	msExchCont...	CN=ELC Mailbox Policies,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN...
CN=ExchangeAssistance	msExchExch...	CN=ExchangeAssistance,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN...
CN=Federation	msExchFedO...	CN=Federation,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN=Configur...
CN=Federation Trusts	msExchCont...	CN=Federation Trusts,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN=C...
CN=Global Settings	container	CN=Global Settings,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN=Con...
CN=Hybrid Configuration	msExchCont...	CN=Hybrid Configuration,CN=Adatum,CN=Microsoft Exchange,CN=Services,...
CN=Mobile Mailbox Policies	msExchCont...	CN=Mobile Mailbox Policies,CN=Adatum,CN=Microsoft Exchange,CN=Services,...
CN=Mobile Mailbox Settings	msExchMobi...	CN=Mobile Mailbox Settings,CN=Adatum,CN=Microsoft Exchange,CN=Services,...
CN=Monitoring Settings	msExchCont...	CN=Monitoring Settings,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN...
CN=OWA Mailbox Policies	msExchCont...	CN=OWA Mailbox Policies,CN=Adatum,CN=Microsoft Exchange,CN=Services,C...
CN=Provisioning Policy Co...	msExchCont...	CN=Provisioning Policy Container,CN=Adatum,CN=Microsoft Exchange,CN=Ser...
CN=Push Notifications Sett...	msExchCont...	CN=Push Notifications Settings,CN=Adatum,CN=Microsoft Exchange,CN=Servic...
CN=RBAC	msExchCont...	CN=RBAC,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN=Configuratio...
CN=Recipient Policies	msExchRecip...	CN=Recipient Policies,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN=C...
CN=Remote Accounts Poli...	msExchCont...	CN=Remote Accounts Policies Container,CN=Adatum,CN=Microsoft Exchange,...
CN=Retention Policies Con...	msExchCont...	CN=Retention Policies Container,CN=Adatum,CN=Microsoft Exchange,CN=Serv...
CN=Retention Policy Tag C...	msExchCont...	CN=Retention Policy Tag Container,CN=Adatum,CN=Microsoft Exchange,CN=S...
CN=ServiceEndpoints	msExchCont...	CN=ServiceEndpoints,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN=C...
CN=System Policies	msExchSyste...	CN=System Policies,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN=Con...
CN=Team Mailbox Provisio...	msExchCont...	CN=Team Mailbox Provisioning Policies,CN=Adatum,CN=Microsoft Exchange,C...
CN=Transport Settings	msExchTrans...	CN=Transport Settings,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN=C...
CN=UM Mailbox Policies	msExchCont...	CN=UM Mailbox Policies,CN=Adatum,CN=Microsoft Exchange,CN=Services,CN...
CN=Workload Managemen...	msExchCont...	CN=Workload Management Settings,CN=Adatum,CN=Microsoft Exchange,CN=...

# Letzter Exchange Server

```
Administrator: Windows PowerShell
PS C:\Program Files\Microsoft\Exchange Server\V15\Bin> .\Setup.exe /mode:uninstall

Microsoft Exchange Server 2019 Cumulative Update 8 Unattended Setup

Mailbox role: Mailbox service
Mailbox role: Client Access service
Mailbox role: Transport service
Mailbox role: Front End Transport service
Mailbox role: Client Access Front End service
Management tools
Languages

Performing Microsoft Exchange Server Prerequisite Check

    Configuring Prerequisites
    Prerequisite Analysis

Configuring Microsoft Exchange Server

    Preparing Setup
    Mailbox role: Mailbox service
    Mailbox role: Client Access service
    Mailbox role: Transport service
    Mailbox role: Front End Transport service
    Mailbox role: Client Access Front End service
    Exchange Management Tools
    Organization Preparation
    Language Files
    Stopping Services
Removing Exchange Files
Restoring Services
Finalizing Setup

The Exchange Server setup operation completed successfully.
PS C:\Program Files\Microsoft\Exchange Server\V15\Bin>
```

ADSI Edit

File Action View Help

ADSI Edit

Configuration [LON-DC1.Adatum.com]

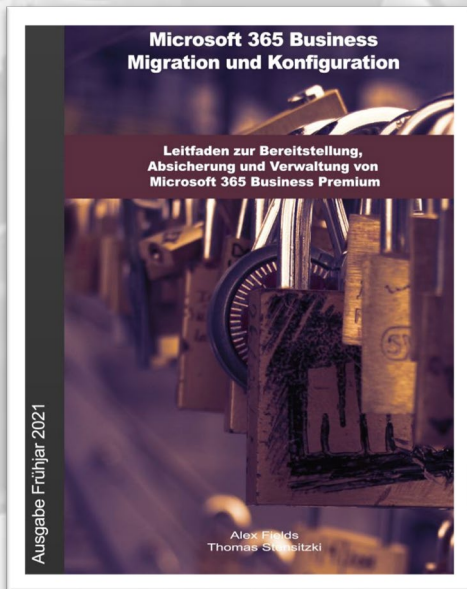
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  - CN=Partitions
  - CN=Physical Locations
  - CN=Services
    - CN=AuthN Policy Configuration
    - CN=Claims Configuration
    - CN=Group Key Distribution Service
    - CN=Microsoft Exchange Autodiscover
    - CN=Microsoft SPP
    - CN=MsmqServices
    - CN=NetServices
    - CN=Public Key Services
    - CN=RRAS
    - CN=Shadow Principal Configuration
    - CN=Windows NT
  - CN=Sites
  - CN=WellKnown Security Principals

Name	Class	Distinguished Name
CN=AuthN Policy Configuration	container	CN=AuthN Policy Configuration,CN=Services,DC=Adatum,DC=com
CN=Claims Configuration	container	CN=Claims Configuration,CN=Services,DC=Adatum,DC=com
CN=Group Key Distribution Service	container	CN=Group Key Distribution Service,CN=Services,DC=Adatum,DC=com
CN=Microsoft Exchange Autodiscover	container	CN=Microsoft Exchange Autodiscover,CN=Services,DC=Adatum,DC=com
CN=Microsoft SPP	container	CN=Microsoft SPP,CN=Services,DC=Adatum,DC=com
CN=MsmqServices	mSMQEnter...	CN=MsmqServices,CN=Services,DC=Adatum,DC=com
CN=NetServices	container	CN=NetServices,CN=Services,DC=Adatum,DC=com
CN=Public Key Services	container	CN=Public Key Services,CN=Services,DC=Adatum,DC=com
CN=RRAS	container	CN=RRAS,CN=Services,DC=Adatum,DC=com
CN=Shadow Principal Configuration	msDS-Shado...	CN=Shadow Principal Configuration,CN=Services,DC=Adatum,DC=com
CN=Windows NT	container	CN=Windows NT,CN=Services,DC=Adatum,DC=com

# Alternativen

- Exchange Recipient Admin Center
  - [Open Source Projekt](#) von Steve Goodman
- Easy 365 Manager
  - Kommerzielle Lösung mit ADUC MMC Einbindung
  - <https://www.easy365manager.com/>





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MVP Blog: <https://blogs.msmvps.com/thomastechtalk>

Tech Talk Folgen: <http://TechTalk.Granikos.eu>

Thomas' Tech Talk wird produziert mit [Camtasia](https://www.camtasia.com/)

# Ressourcen

- [Released: 2022 H1 Cumulative Updates for Exchange Server](#)
- [Verwalten von Empfängern in Exchange Hybridumgebungen mithilfe von Verwaltungstools](#)
- [Letzten Exchange Server endgültig herunterfahren](#)
- [A New Tool to Manage Exchange-related Attributes Without Exchange Server](#)