



**EASY SOFTWARE**

# LDAPS with EASY for Exchange

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## 1 Notes on ADV190023/LDAPS/LDAP channel binding/LDAP signing requirement

Starting January 2020, Microsoft will enforce LDAPS on all Windows Active Directory controllers via Windows Update.

On Active Directory domain controllers, there are a number of unsafe standard configurations for LDAP channel binding and LDAP signing. LDAP-channel binding and LDAP-signing provide ways to increase security for communication between LDAP clients and Active Directory domain controllers. In an upcoming release in early 2020, Microsoft will provide a Windows update that will change LDAP-channel binding and LDAP-signing to more secure configurations by default.

Further information can be found here:

- <https://portal.msrc.microsoft.com/en-us/security-guidance/advisory/ADV190023>
- <https://support.microsoft.com/en-us/help/4520412/2020-ldap-channel-binding-and-ldap-signing-requirement-for-windows>
- <https://support.microsoft.com/en-us/help/4034879/how-to-add-the-ldapenforcechannelbinding-registry-entry>
- <https://support.microsoft.com/en-us/help/935834/how-to-enable-ldap-signing-in-windows-server-2008>

## 2 Adjustments in EASY for Exchange for LDAPS

### 2.1 EASY for Exchange Configuration Center

EASY for Exchange does not require an update for LDAPS. You only need to change the configuration of Active Directory controllers in the EASY for Exchange Configuration Center.

To do so, open the E4E Configuration Center and navigate to your server farm. Here, the configuration for each Active Directory controller must now be adjusted; there is one AD controller for each Exchange Server created. You can find this in the tab "General":

The screenshot shows the EASY for Exchange Configuration Center interface. The top bar indicates the user is 'superadmin' with 'Mandant: Default' and 'Version: 2.0.211.0 | CS: 2.0.211.0'. The left sidebar shows the navigation menu with 'EASY xBASE' selected. The main content area is titled 'Serverfarm > Server\_N' and has tabs for 'Allgemein', 'Postfach-Archivierung', 'Öffentliche Ordner-Archivierung', and 'Weitere Einstellungen'. The 'Allgemein' tab is active, showing the 'Active Directory' configuration section. In this section, the 'Active Directory Controller' field is empty, and the 'SSL' checkbox is checked and highlighted with a red box. The 'Administrator' field is empty, and the 'Anmeldeinformation' dropdown is set to 'SamAccountName'. The 'Exchange Server' section below shows the 'Server\_N' server with port '443'. The 'SSL' checkbox is also checked and highlighted with a red box. The 'Impersonalisierungsbutzer' field is 'impUser', and the 'Test-E-Mail-Adresse' field is empty. The 'öffentlicher Ordner Administrator' field is 'MailAdmin'. At the bottom of the page, there are buttons for 'Löschen', 'Zurücksetzen', and 'Speichern'. The 'Archivierungszeit' section shows a grid with columns for hours (0-22) and rows for days of the week (Sonntag to Samstag). The grid is mostly empty, with a small blue shaded area from 4 AM to 8 PM on Monday through Friday, and a small red shaded area at 8 PM on Friday. A note on the right says 'Die farbig hinterlegten Zeiten sind Server-Arbeitszeiten.'

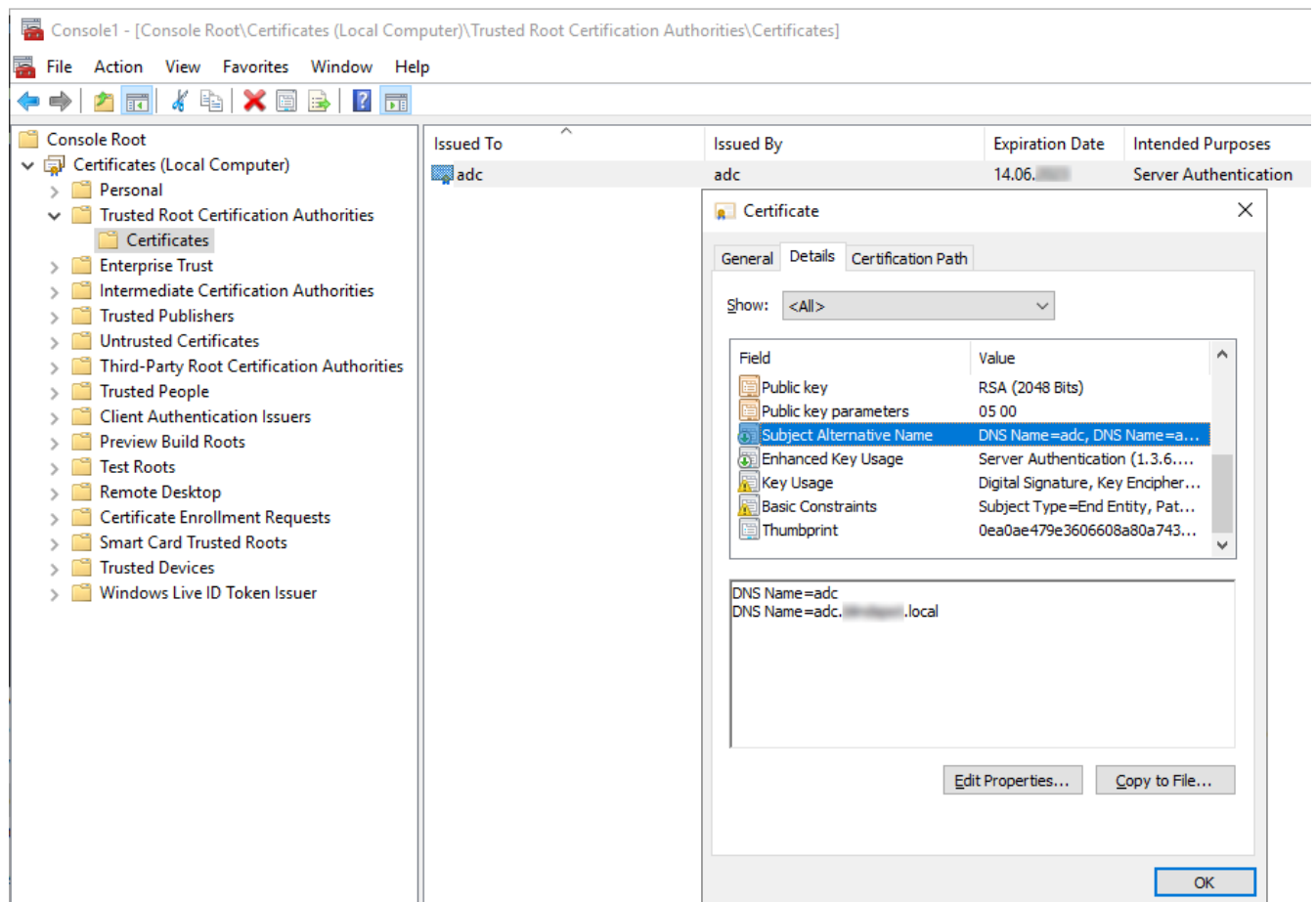
For an LDAPS connection, enable SSL and use port 636 or to access the global catalog server (GC), port 3269.

Save your changes at the bottom right.

## 2.2 Certificate of the Active Directory Controller

Usually the required certificates are already known on the member servers. If errors occur when connecting via LDAPS, please check the certificates on the participating servers.

The certificate must be issued for the "server authentication" and must contain the server name and the FQDN as "DNS name" entry.



## 2.3 Adjustments in EASY Archive

Please also note that EASY for Exchange uses the LDAP interface in EASY Archive. To activate LDAPS in EASY archive, please check the settings according to the chapter "Directory services" in the EASY archive documentation.