

How To Use SSL With AD And LDAP In Nagios Log Server 2024

Purpose

This document describes how to import a certificate authority (CA) into Nagios Log Server. Adding the CA allows Nagios Log Server to trust the certificate used by Active Directory (AD) or other LDAP services and establish encrypted communications.

Prerequisites

This document assumes you already have an AD or other LDAP server set up in the environment and it is configured to use encryption.

It also assumes that an AD or LDAP server has already been configured in Nagios Log Server and is configured to use encryption. If not, [Authentication Users in NLS 2024](#) goes through the steps of doing so.

Certificate Authority Management

1. In the Nagios Log Server web interface, navigate to **Admin > Management > LDAP/AD Integration**.
2. Click the **+ Add Certificate** button under the **Certificate Authority Management** section.

The screenshot shows the Nagios Log Server web interface. The top navigation bar includes 'Home', 'Dashboards', 'Reports', 'Alerting', 'Configure', 'Help', and 'Admin' (circled in blue). Below the navigation bar, the breadcrumb trail is 'Home / Admin / Auth Servers'. The left sidebar contains several sections: 'Reports' (Audit Log, Unique Hosts), 'System' (Cluster Status, Instance Status, Index Status, Snapshots & Maintenance, System Status, Command Subsystem), 'Management' (User Management, Host Group Management, **LDAP/AD Integration** (circled in blue), Monitor Backend (NCPA), Custom Includes), and 'General' (Global Settings, Mail Settings, License Information, Proxy Configuration). The main content area is titled 'LDAP / AD Integration' and contains a '+ Add Server' button and a table with one entry: 'domaincontroller1' with servers 'dc1.acme.local', type 'Active Directory', encryption 'SSL/TLS', and 0 associated users. Below this is the 'Certificate Authority Management' section, which includes a '+ Add Certificate' button (circled in blue) and a table with columns 'Hostname', 'Issuer (CA)', 'Expiration Date', and 'Actions'. The table currently shows 'No certificates have been added.'

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- 3. The **Add SSL/TLS Certificate** window will appear. Paste the PEM encoded certificate.
- 4. The **Hostname** field should automatically be populated when you post a valid certificate.

Add SSL/TLS Certificate:✕

acme-WIN-R0P3LNPR1V0-CA

```
-----BEGIN CERTIFICATE-----
MIIDezCCAoGAwIBAgIQSPaCTEDR+r1Kgavt74wVGzANBgkqhkiG9w0BAQsFADBP
MRUwEgYKCZIm1ZPEwQYFbG91Ym9wFDASBgkqhkiG9w0BAQsFADBP
HgyVDOODExdhY211LVdJTi1SMFAzTE5OUjFWMCI0DTAgFw0yMzA0MTQxNTEyMDIa
GA8yNTIzMDQxNDE1MjIwOVowTzEVMBMGCGmSJonT8ixKARKwBwxyY2FsmR0wEgYK
CZIm1ZPEwQYFbG91Ym9wFDASBgkqhkiG9w0BAQsFADBP
Q0EwggE1MA0GCsGGS1b3DOEBAAQAA4IBDwAwggEKAoIBAQDN2HB3R+HRSBcfd2Xc
ZsdH4BehgfYGH9CdeOrYGEQuZ6FTtu7gsaIsHbvkRpRwIs7G3PDSiCQtf0S1Cz7
t5zAt0NFRCSf7X/d3/AQYLhKVsgrfG0sH5GTJcnKYB/R7KA0Ev4j4IBhnPit+zTR
UDQnci8GKlvCVigxDit+GjX7g+LxQpuE6NTEgERM1uhsTC6IT3kuqHdGStaUbALV
swfJKra89YDKFyCMRh3p0qZCFkzahMazkeWHS7F54VyxZBSVtIhQw1IygSK2qxmN
N+iUpDgGu8K50dgMnqc+vsLnrCnKHEgDd28h1rv80kXp2Ha22J1fPEwJdGB4Ush1
Ip03AgMBAAGjUTBPMAsGA1UdDwQEAwIBhjAPBgNVHRMBAf8EBTADAQH/M80GA1Ud
DgQWBBS7bjc0GRvMoFAdy9WwimBYsYuiFDAQBgrBgEEAYI3FOEEAwIBADANBgkq
hkIG9w0BAQsFAAOCAQEAkRUDYXUHKytXabW7mxtODnQ1yvPrAEdtH6UOGger/GeR
WlPhZ0jGGYtnJL0nRt5kVssUxRIw8E17WC/AES0T19pr0x9AzAyztjePXIVBjdu0
yJzXdDs7ggJNGCuzI87+xJwM9j+blaovc698ZUwc5XmoeEsBxhD9fzbbob7B9+uBS
kTP7CAczLJpIyX9ganxEkawbN6HaAq4KwEVDA9GmJXaYgyBushw5PRH0rn+/AJ4y
lorh7VioCC5kiPrOFFCP4BK1Fcj6wxEOCEW0vI+Izo1/+quE3vEpM9p4Ype35U66
jdJ0NIOoZgh2GndF9FDEHver3TaNUwErRsY/dk7ZNS==
-----END CERTIFICATE-----
```

Close

Submit

- 5. After clicking **Submit**, you'll see the certificate listed under the **Certificate Authority Management** section.

Certificate Authority Management

If you are using self-signed certificates to connect over SSL/TLS, you will need to add the domain controllers' certificates to the local certificate authority.

+ Add Certificate

Hostname	Issuer (CA)	Expiration Date	Actions
acme-WIN-R0P3LNPR1V0-CA	acme-WIN-R0P3LNPR1V0-CA	Wed Apr 14 2523 10:22:09 GMT-0500 (Central Daylight Time)	✕

Finishing Up

This completes the documentation on importing a certificate authority into Nagios Log Server. If you have additional questions or other support-related questions, please visit us at our Nagios Support Forum, Nagios Knowledge Base, or Nagios Library:

- [Visit Nagios Support Forum](#)
- [Visit Nagios Knowledge Base](#)
- [Visit Nagios Library](#)