



Environet™ Alert

Installation Guide

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Technical Support Site

If you encounter any installation or operational issues with your product, check the pertinent section of this manual to see if the issue can be resolved by following outlined procedures.

Visit <https://www.vertiv.com/en-us/support/> for additional assistance.

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1 Overview

This document explains the steps necessary to set up the Vertiv™ Environet™ Alert server.

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2 Installation Requirements

NOTE: Installation Best Practice - It is recommended that Environet™ Alert, regardless of release version, be install on an on-premise server on a private network, which is protected behind a firewall and other security provisions.

Before installing the Vertiv™ Environet™ Alert application, the following requirements must be met.

2.1 Permissions

Administrator permissions are required to install Environet™ Alert files and Windows Services.

2.2 Server Requirements

REQUIREMENT	MINIMUM	RECOMMENDED
Operating System	Windows 10 (64-bit) Windows Server 2016 Windows Server 2019	Windows Server 2019
CPU	(Intel or AMD) 4 CPU 2.0 GHz or Higher	(Intel or AMD) ≥6 CPU ≥2.2 GHz or Higher
RAM	8 GB	≥16 GB
Disk Space	100 GB	≥300 GB
Disk I/O	15 MBps read/write speed	≥200 MBps read/write speed
Network	10/100 MBps	≥1 GBps

2.3 Special Files and Directories

The following directories will be created by the installer and must not be altered.

- C:\Environet

The default installation target, unless overridden.

IMPORTANT! The default Install Location (C:\Environet) will be specified in the instructions for the rest of this document. Substitute the actual Install Location if not using the default.

- C:\snapshot

Used by the Environet Analytics service.

- C:\Users*<User Account Running Installer>*\Niagara<version>

Used by the Niagara application.

- C:\Users*<User Account Running Installer>*\AppData\Local\Temp

Setup Log <YYYY-MM-DD> #<Sequence Number>.txt

- Installer logs contain details useful in troubleshooting installation problems.
- The logs might be under a numeric subdirectory below Temp.

2.4 Firewall Requirements

The following network ports must be open on the server firewall to allow network communication in and out of the server.

PORT	PROTOCOL	PURPOSE
80	TCP	Inbound HTTP requests from client computers to login and use Vertiv™ Environet™ Alert.
161	UDP	Outbound SNMP calls from the server to monitored devices for getting point data.
162	UDP	Inbound SNMP trap requests from monitored devices Outbound SNMP calls from the server to monitored devices for setting traps.
443	TCP	Only required if HTTPS will be configured. Allows inbound HTTPS requests from client computers to login and use vertiv Environet Alert.

2.5 Browser Requirements

The following web browsers are tested and supported with the current version of Environet™ Alert. Other web browsers or versions of the browsers listed below may work but are not necessarily tested and supported.

- Microsoft Edge (95.0.1020.40)
- Firefox (93.0)
- Chrome (95.0.4638.69)

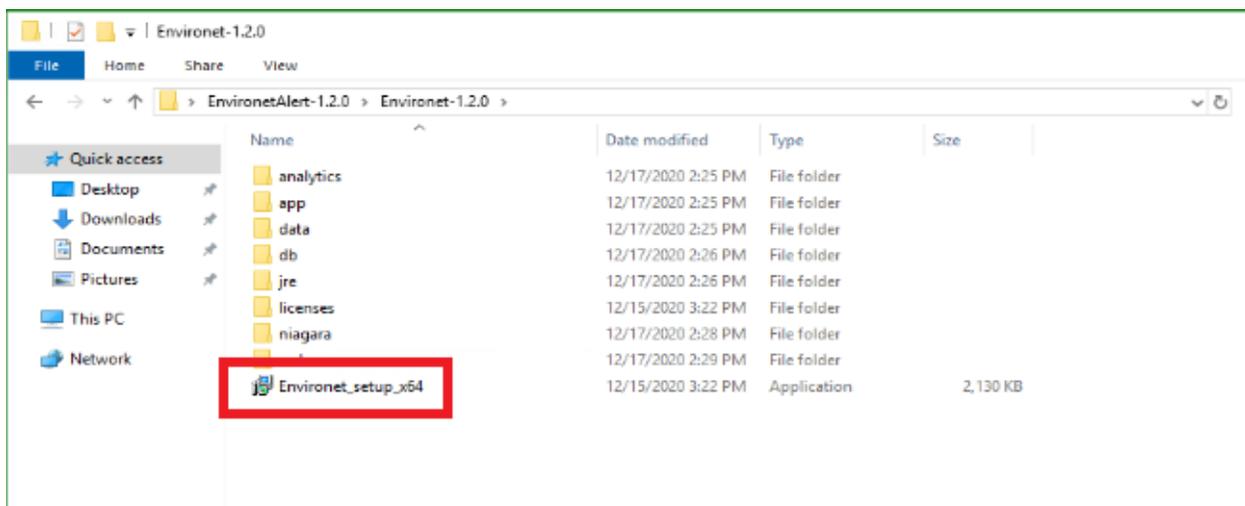
2.6 Install Steps

1. Ensure that all [Installation Requirements](#) on the previous page steps above have been met before continuing.
2. Unzip the Environet™ Alert Alert installer zip file.
3. Navigate to the extracted *Environet-<version>* folder.

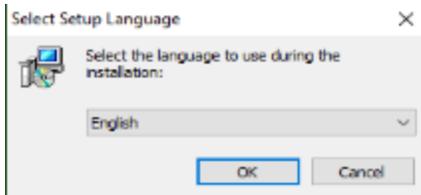
NOTE: Be careful not to navigate into the zip file itself.

NOTE: This installer is only compatible with Environet™ Alert Alert v1.1. If you are running version 1.0 please contact support to have your system updated.

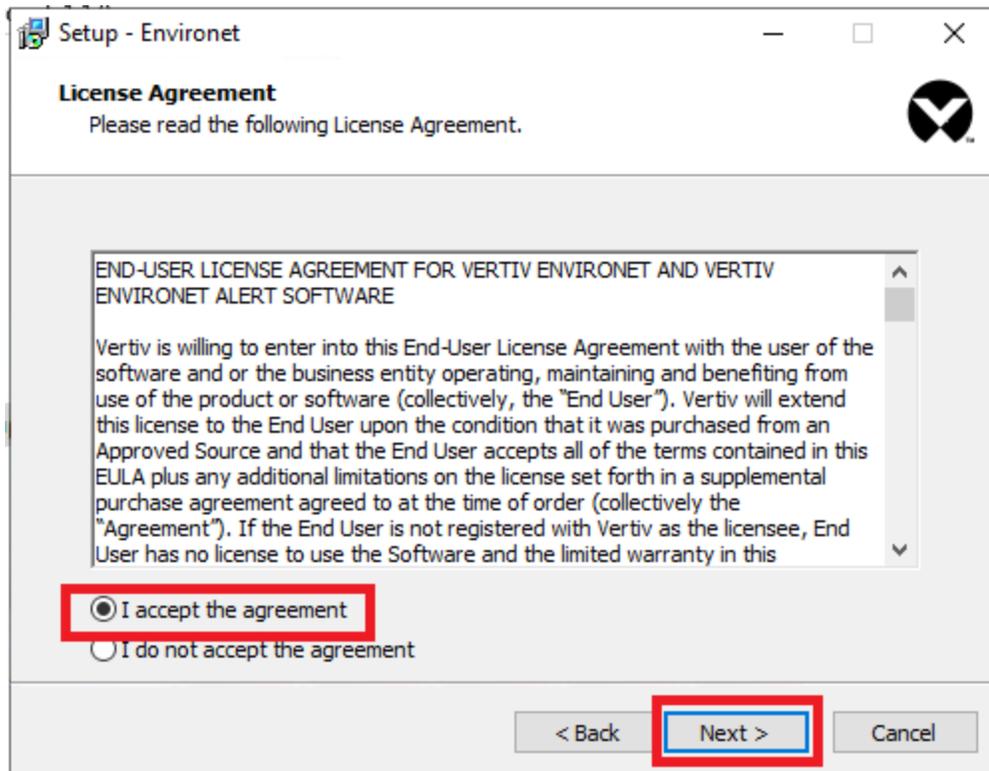
4. Launch the *Environet_setup_x64.exe* executable.



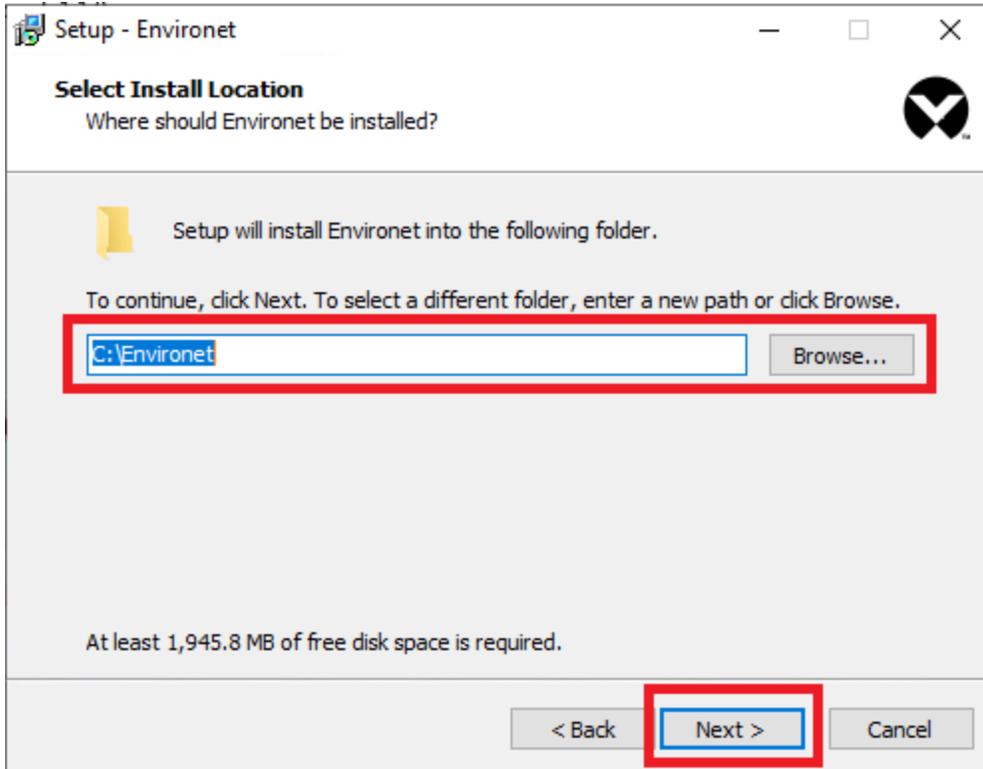
5. Select the language that the installer should use while setting up the software, then click *OK*.



6. Review and accept the License Agreement and click *Next*.



7. Select an *Install Location* (default is C:\Environet) and click *Next*.

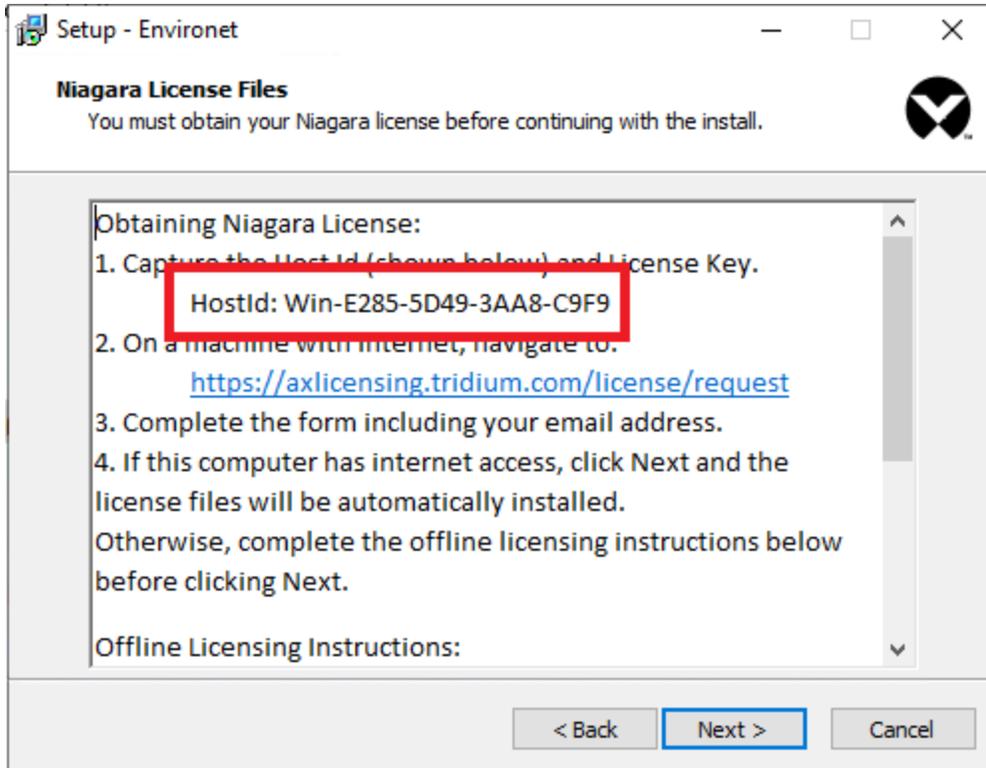


IMPORTANT! The default Install Location (C:\Environet) will be specified in the instructions for the rest of this document. Substitute the actual Install Location if not using the default.

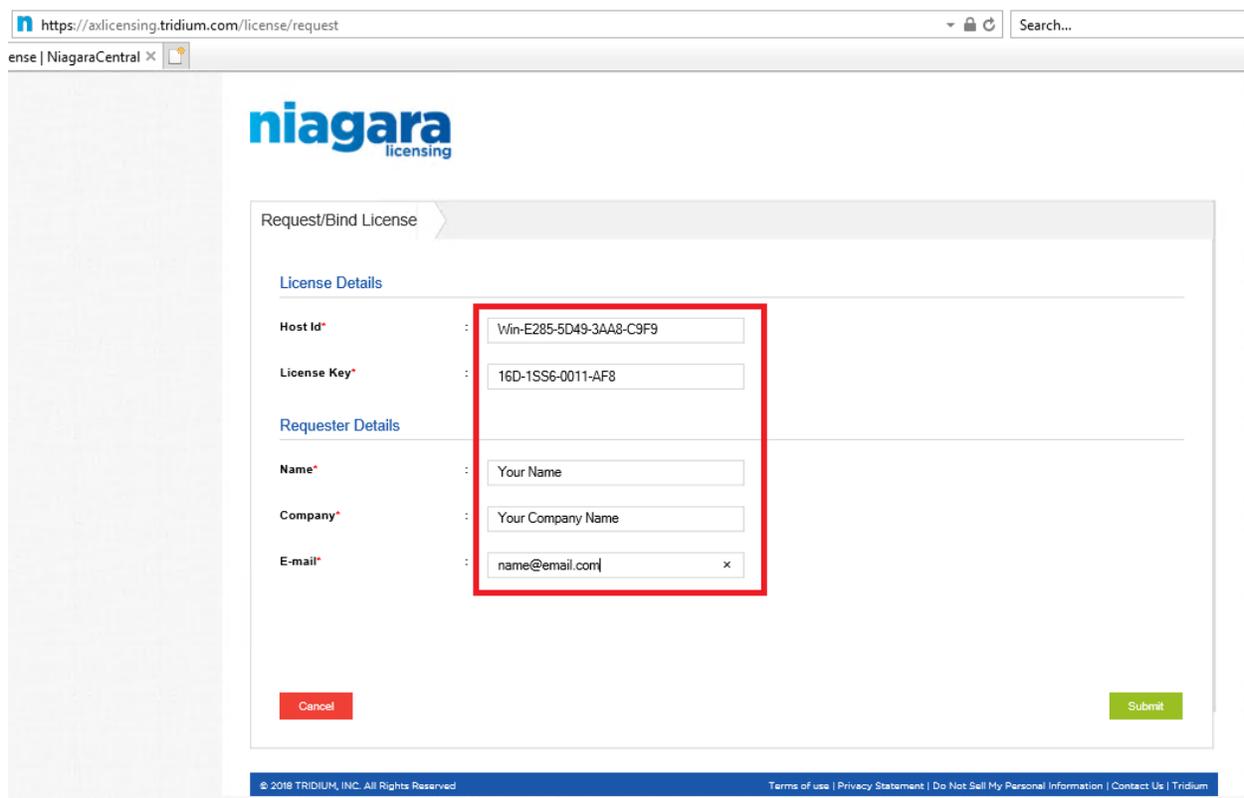
8. Follow the instructions on the *Niagara License Files* page and click *Next*.

Obtaining Niagara License:

- a. Capture the Host Id (shown below) and License Key. Note – The License Key should have been provided to you by your Vertiv Representative.



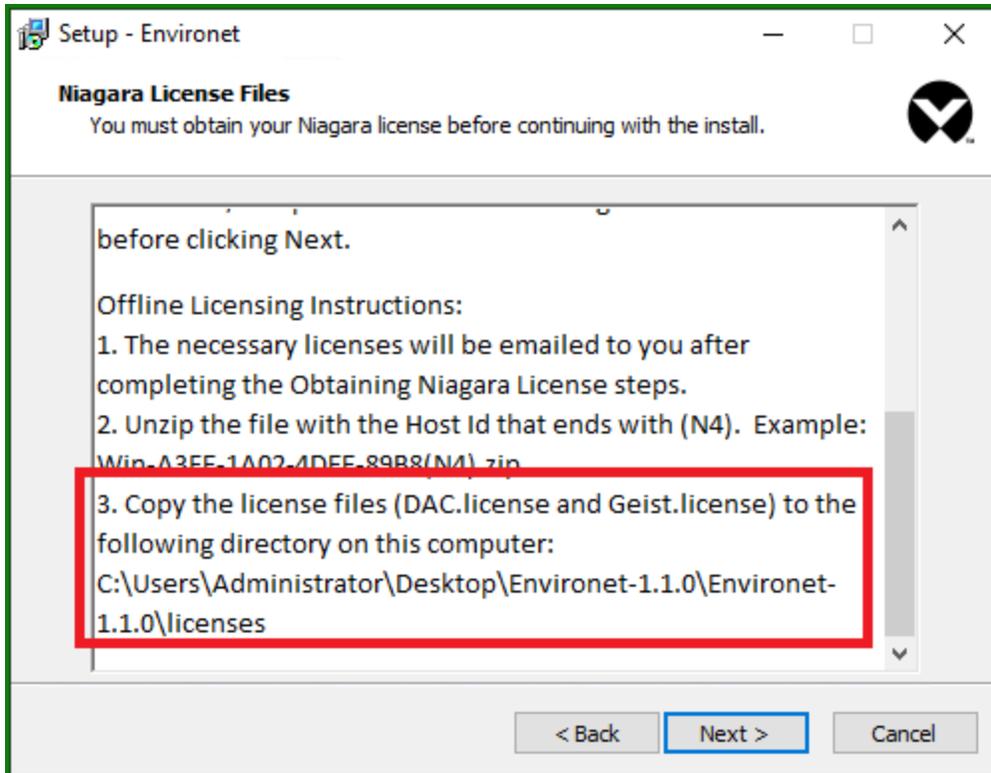
- On a machine with Internet, navigate to: <https://axlicensing.tridium.com/license/request>
- Complete the form including your email address.



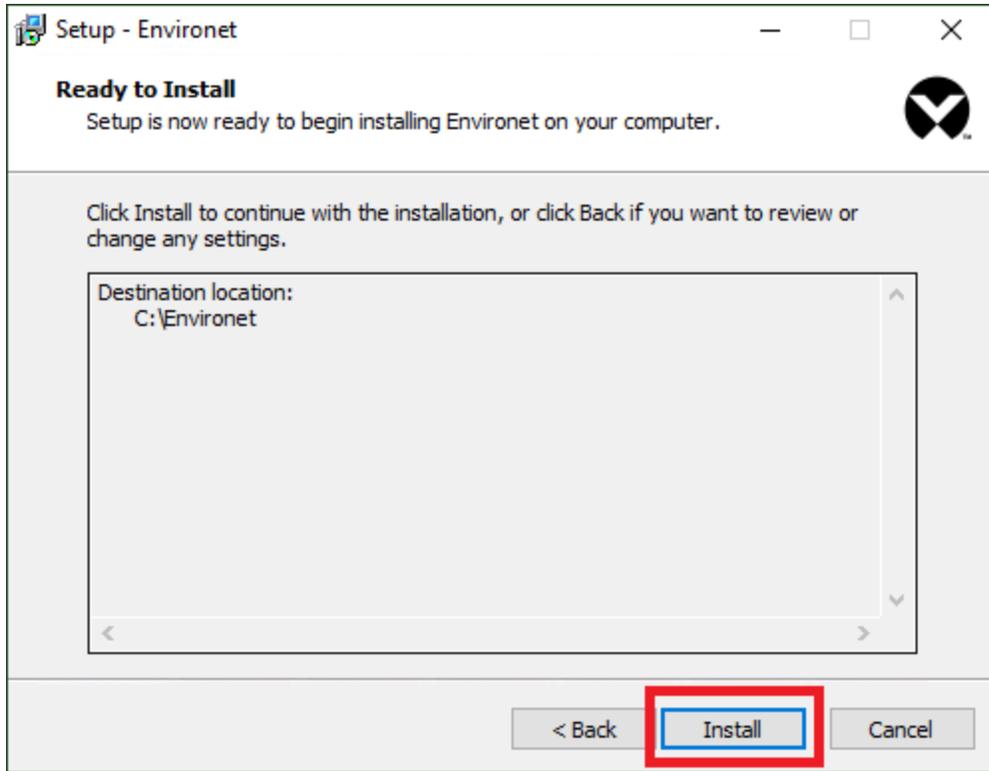
- d. If this computer has internet access, click *Next* and the license files will be automatically installed. Otherwise, complete the offline licensing instructions below before clicking *Next*.

Offline Licensing Instructions:

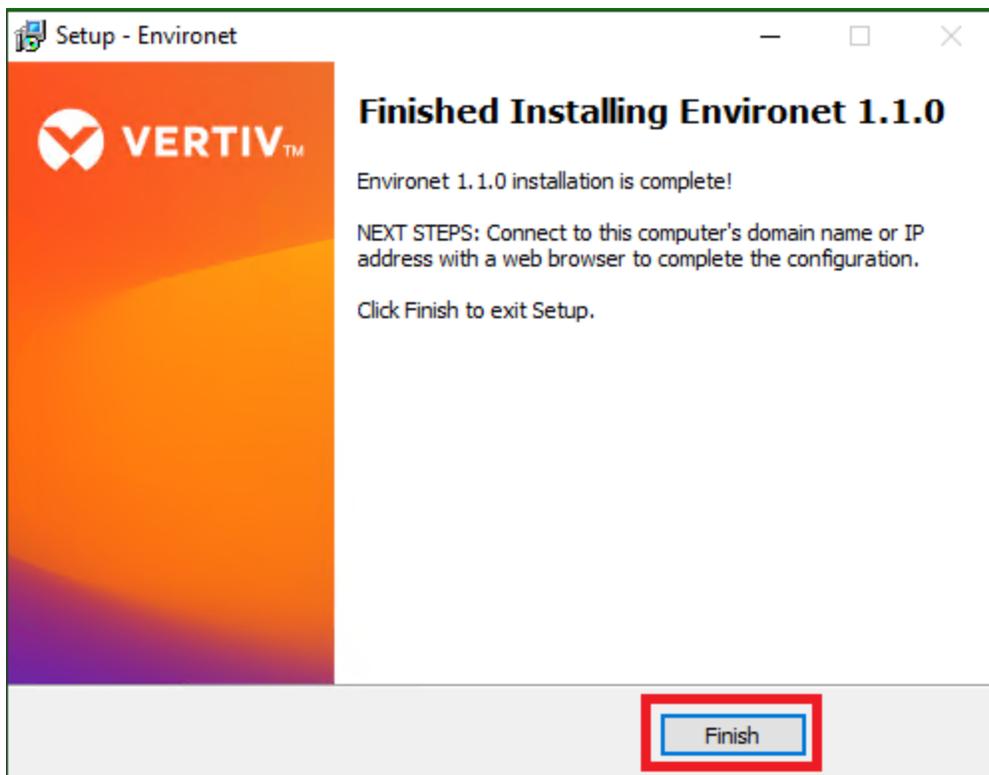
- a. The necessary licenses will be emailed to you after completing the Obtaining Niagara License steps.
- b. Unzip the file with the Host Id that ends with (N4). Example: *Win-A3FE-1A02-4DEE-89B8(N4).zip*
- c. Copy the license files (*DAC.license* and *Geist.license*) to the following directory on the application server. The directory is displayed in the installation instructions of the installer:



- 9. On the *Ready to Install* page, click *Install* to start the installation.



10. On the *Finished Installing* page, click *Finish* to close the installer.



IMPORTANT! At the end of the installation process, the installer will verify whether the Niagara license files were installed and valid. If they were not:

- The Vertiv™ Environet™ Windows Services will not be installed, and the application will not be started.
- The final screen of the installation will ask for the installer to be rerun and to verify that the instructions on the Niagara License Files screen are followed correctly.

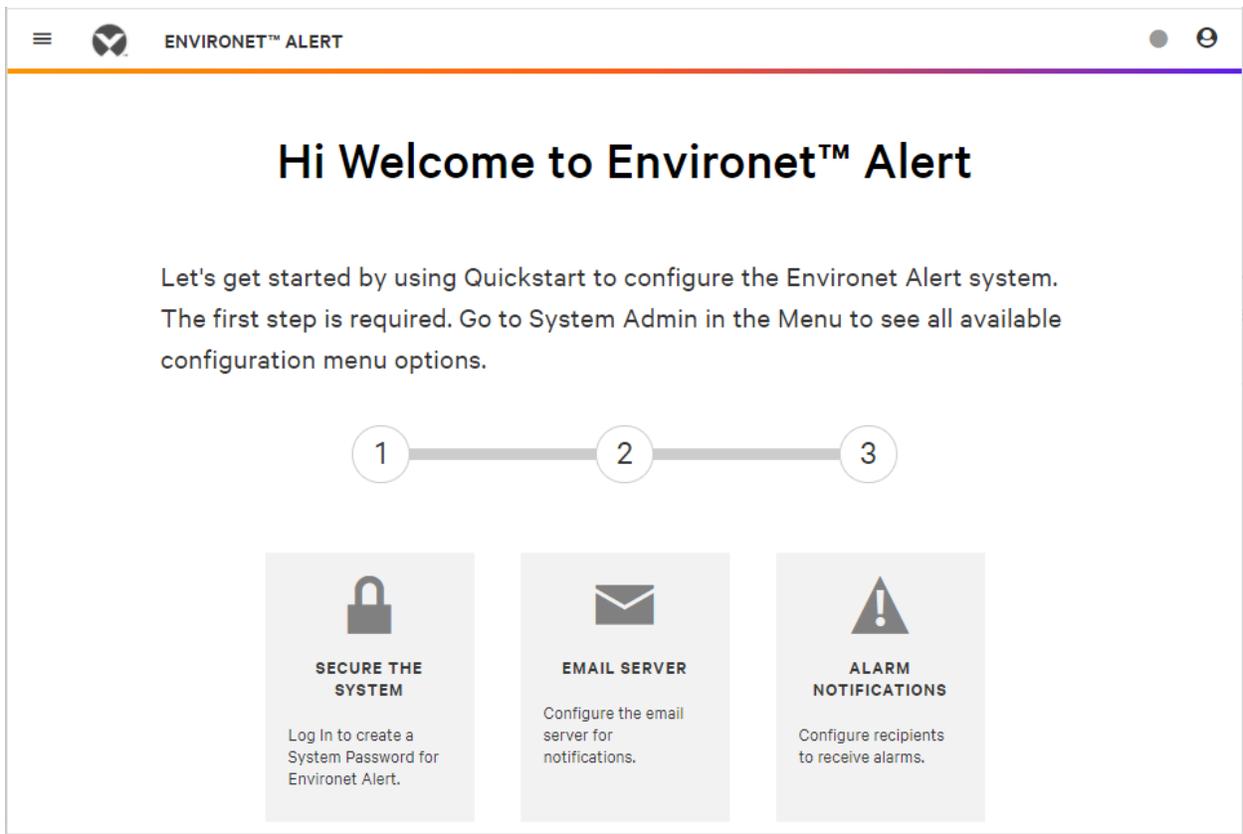
2.7 Post-Install Steps

2.7.1 Verify Environet™ Alert is Running

1. On a client computer, open a supported browser and navigate to the server's host name or IP address. Initially, the server only listens for HTTP requests (not HTTPS).

NOTE: Existing installations being upgraded from version 1.0 that were previously using SSL will be set back to HTTP. Please follow the steps in [Vertiv™ Environet™ Alert 1.1 SSL Certificate Migration](#) on page 21 .

2. If this is a new installation the quickstart page will appear that provides a workflow for setting the initial admin account password and other settings. For upgraded systems, the default board should be present upon login.



2.8 Quickstart

The Quickstart allow for the configuration of key elements of the system.

2.8.1 Secure the system

This is the only required step of the Quickstart. This allows for the Admin password to be set:

1. Click the *Secure The System* Box.

The screenshot shows the 'ENVIRONET™ ALERT' web interface. At the top, there is a navigation bar with a menu icon, the logo, and the text 'ENVIRONET™ ALERT'. Below the navigation bar, the main content area features a large heading 'Hi Welcome to Environet™ Alert'. Underneath the heading, there is a paragraph of text: 'Let's get started by using Quickstart to configure the Environet Alert system. The first step is required. Go to System Admin in the Menu to see all available configuration menu options.' Below this text is a horizontal progress bar with three numbered steps: 1, 2, and 3. Step 1 is highlighted with a red border. Below the progress bar, there are three configuration cards. The first card, 'SECURE THE SYSTEM', is highlighted with a red border and contains a lock icon and the text: 'Log In to create a System Password for Environet Alert.' The second card, 'EMAIL SERVER', contains an envelope icon and the text: 'Configure the email server for notifications.' The third card, 'ALARM NOTIFICATIONS', contains a warning icon and the text: 'Configure recipients to receive alarms.'

2. Enter a valid password and click Save. Note – Ensure that this password is documented as this is the only method to access this system until additional user accounts have been created.

The screenshot displays the 'Environet™ Alert Quickstart' interface. At the top, there is a navigation bar with a menu icon, the Environet logo, and the text 'ENVIRONET™ ALERT'. Below this, a progress indicator shows three steps: 1. SECURE THE SYSTEM (highlighted in orange), 2. EMAIL SERVER, and 3. ALARM NOTIFICATIONS. The main content area is titled 'CREATE A SYSTEM PASSWORD'. It features a form with a username field containing 'admin' and two password fields. The top password field is filled with dots, and the bottom password field is also filled with dots and has a cursor at the end. A red box highlights both password fields. Below the password fields, there is a text requirement: 'Password must be at least 10 characters in length, contain at least one lowercase letter, at least one uppercase letter, and at least one digit'. At the bottom right of the form area, there is an orange 'SAVE' button, also highlighted with a red box.

2.8.2 Email Server

The Email Server page allows the system to be configured to communicate with an email server that will send email notifications.

IMPORTANT! if necessary, this step can be skipped, and these settings can be configured later.

1. Enter a valid *IP address* for the email server.

The screenshot shows the 'Environet™ Alert Quickstart' interface. At the top, there is a navigation bar with a hamburger menu, the logo, and the text 'ENVIRONET™ ALERT'. Below this is a progress indicator with three steps: '1 SECURE THE SYSTEM', '2 EMAIL SERVER' (highlighted with a red circle), and '3 ALARM NOTIFICATIONS'. The main content area is titled 'CONFIGURE THE SMTP SETTINGS' and contains several input fields and checkboxes. The 'SMTP Server' field is highlighted with a red box and contains the value '10.200.45.121'. Other fields include 'Sender Name', 'Sender Email', 'SMTP Port' (with the value '25'), and 'Require Authentication'. There are three buttons at the bottom: 'CANCEL', 'SKIP', and 'SAVE'.

ENVIRONET™ ALERT

Environet™ Alert Quickstart

1 SECURE THE SYSTEM 2 EMAIL SERVER 3 ALARM NOTIFICATIONS

CONFIGURE THE SMTP SETTINGS

SMTP Server: 10.200.45.121

Sender Name: _____

Sender Email: _____

CONNECTION: Enable SSL

PORT: SMTP Port: 25

AUTHENTICATION: Require Authentication

CANCEL SKIP SAVE

2. Enter the *Sender Name*. This is the name that email alerts will come from.

ENVIRONET™ ALERT

Environet™ Alert Quickstart

1 SECURE THE SYSTEM 2 EMAIL SERVER 3 ALARM NOTIFICATIONS

CONFIGURE THE SMTP SETTINGS

SMTP Server 10.200.45.121	Sender Name Environet Alert	Sender Email
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CONNECTION **PORT** **AUTHENTICATION**

Enable SSL <input type="checkbox"/>	SMTP Port 25	Require Authentication <input type="checkbox"/>
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CANCEL SKIP SAVE

3. Enter the *Sender Email*. In email notifications, this is the email address that alerts will come from.

Environet™ Alert Quickstart

1 SECURE THE SYSTEM 2 EMAIL SERVER 3 ALARM NOTIFICATIONS

CONFIGURE THE SMTP SETTINGS

SMTP Server 10.200.45.121	Sender Name Environet Alert	Sender Email Environet-Alert@donotreply.com
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CONNECTION **PORT** **AUTHENTICATION**

Enable SSL SMTP Port
25 Require Authentication

CANCEL SKIP SAVE

4. Enable SSL allows for an SSL certificate to be uploaded if the email server requires an SSL connection.
5. SMTP port allows the default email port (25) to be changed if necessary.
6. Require Authentication allows for a user account to be configured if the email server requires authentication.
7. Click Save to save the email server settings.

2.8.3 Alarm Notifications

Alarm notifications settings allows for the entry of email addresses that will receive alerts for the Default Alarm Class.

NOTE: - If necessary, this step can be skipped and configured later.

1. Enter the first *Recipient Name*. This is the name of the person of email distribution list that will receive email alerts.

The screenshot shows the 'ENVIRONET™ ALERT' configuration interface. At the top, there is a progress bar with three steps: 1. SECURE THE SYSTEM, 2. EMAIL SERVER, and 3. ALARM NOTIFICATIONS. Step 3 is highlighted with a red circle. Below the progress bar, the 'ALARM NOTIFICATIONS' section is displayed. It includes a heading 'ALARM NOTIFICATIONS', a sub-heading 'DEFAULT ALARM CLASS', and a text box for 'Recipient Name' containing 'John Smith'. Below this is a 'Recipient Email' field with a red error message 'This field is required'. At the bottom of the form are buttons for 'ADD RECIPIENT', 'CANCEL', 'SKIP', and 'SAVE'.

2. Enter the *Recipient Email address*. This is the email address of the person or distribution list that will receive email alerts

The screenshot shows the ENVIRONET™ ALERT configuration interface. At the top, there is a navigation bar with a menu icon, the ENVIRONET™ ALERT logo, and a progress indicator with three steps: 1. SECURE THE SYSTEM, 2. EMAIL SERVER, and 3. ALARM NOTIFICATIONS. Step 3 is currently active and highlighted in red. Below the progress indicator, there is a section titled 'ALARM NOTIFICATIONS' with a sub-section 'DEFAULT ALARM CLASS'. The 'DEFAULT ALARM CLASS' section contains a large empty text area on the left and a form on the right. The form has two input fields: 'Recipient Name' with the value 'John Smith' and 'Recipient Email' with the value 'johnsmith@email.com'. The 'Recipient Email' field is highlighted with a red border. Below the input fields is an 'ADD RECIPIENT' button. At the bottom of the form are three buttons: 'CANCEL', 'SKIP', and 'SAVE'.

3. Click *Add Recipient* to complete the entry. Multiple recipients can be added and will appear in the dialogue next to the fields.

The screenshot shows the 'ENVIRONET™ ALERT' configuration interface. At the top, there is a progress bar with three steps: 1. SECURE THE SYSTEM, 2. EMAIL SERVER, and 3. ALARM NOTIFICATIONS. Step 3 is currently active and highlighted in orange. Below the progress bar, the 'ALARM NOTIFICATIONS' section is displayed. It includes a sub-section titled 'DEFAULT ALARM CLASS' which is highlighted with a red box. This section contains a list of recipients: 'John Smith - johnsmith@email.com', 'Jane Doe - janedoe@email.com', and 'Monitoring Group Distribution List - monitoringgroup@email.com'. To the right of this list are two input fields: 'Recipient Name' with the value 'IT Monitoring' and 'Recipient Email' with the value 'itmonitoring@email.com'. Below these fields is an 'ADD RECIPIENT' button. At the bottom of the configuration area are three buttons: 'CANCEL', 'SKIP', and 'SAVE'.

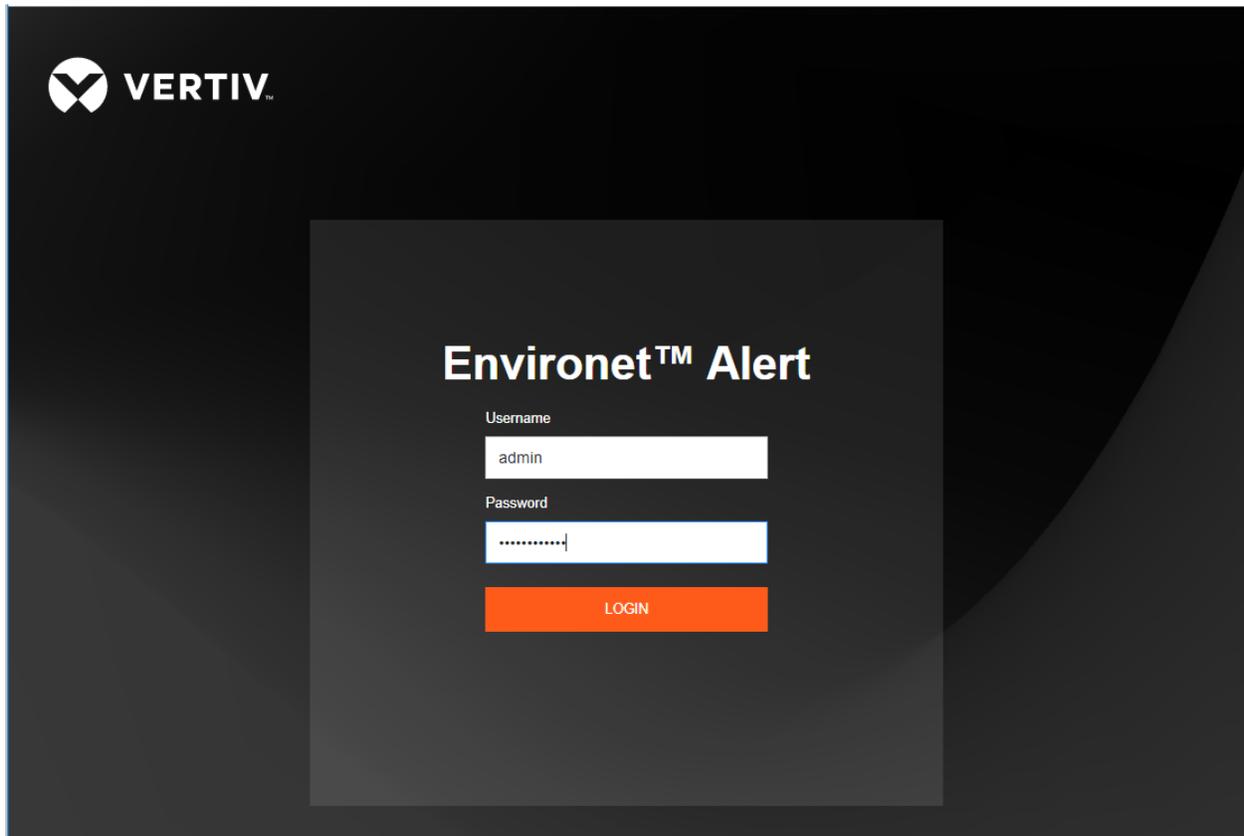
4. Click Save when all recipients have been entered. This will complete the Quick Start.

2.9 Initial Login

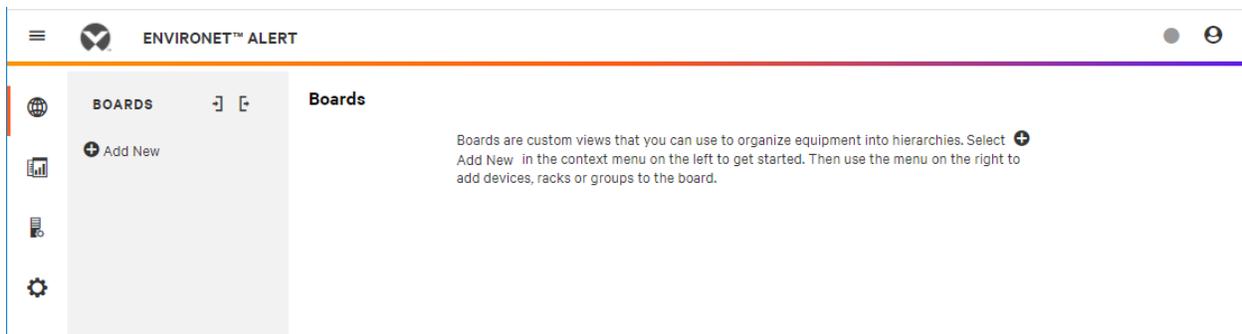
When the Quickstart is completed the login screen will be presented.

2.9.1 Logging in for the first time

1. Enter *Admin* and the *password* that was configured for the Admin account in the Quickstart setup.



2. The system is now ready to be configured. Please see SL-70569 User Guide for details on configuring the system.



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3 Vertiv™ Environet™ Alert 1.1 SSL Certificate Migration

NOTE: This section is only applicable to systems that are being upgraded from version 1.1 and were using SSL. Any upgraded system will be accessible using HTTP until these steps are completed. If you need assistance with these steps, please contact support at geistsupport@vertiv.com

Beginning with Environet™ Alert 1.2, SSL Certificate Management is done through the application UI. Before that, SSL was configured manually in the application directory.

If upgrading from a 1.1 install that had a trusted SSL certificate configured, you can migrate the SSL certificate files to the new format and then upload them into the application UI on the new version of Environet™ Alert.

1. Upgrade to the latest version of Environet™ Alert. The keystore file from Environet™ Alert 1.1 will be preserved so that the SSL certificate files can be exported from it. After a successful upgrade, proceed to the next step.
2. On the host server, open a Windows command prompt.
3. Change directory to somewhere outside of the Environet™ Alert install directory to export the SSL certificate files to.
4. Copy/paste or type the following command and hit Enter. Then type in the keystore password (changeit) and hit Enter.
 - "C:\Environet\web\bin\openssl.exe" pkcs12 -in
 - "C:\Environet\app\conf\environet.keystore" -nodes -nocerts -out server.key
5. Copy/paste or type the following command and hit Enter. Then type in the keystore password (changeit) and hit Enter.
 - "C:\Environet\web\bin\openssl.exe" pkcs12 -in
 - "C:\Environet\app\conf\environet.keystore" -nokeys -out server.crt
6. The following files will now exist in your current directory.
 - server.crt
Public certificate file that should contain the entire certificate chain.
 - server.key
Private key file.

IMPORTANT! Make an external backup of the files above for safe keeping.

7. Now you can login to the application and navigate to System Admin/System Settings/Security and upload the certifications.

The screenshot displays the 'ENVIRONET™ ALERT' web interface. On the left is a 'SYSTEM ADMIN' sidebar with a gear icon for 'System Settings' highlighted in red. The main content area is titled 'System Settings' and has a sub-tab 'Security' also highlighted in red. Other sub-tabs include 'System Status', 'Email Delivery', 'System Processes', 'Trap Recipient', and 'Backup And Restore'. The 'HTTPS' section shows 'Enabled' with a checked checkbox. The 'MANAGE CERTIFICATES' section offers two options: 'Use Environet Certificate' (selected) and 'Upload Certificate'. Below are three 'BROWSE...' buttons for 'Private Key (.key)', 'Public Certificate (.crt)', and 'Intermediate Chain Certificate (.crt)', each with the text 'No file selected.' A 'SAVE' button is located at the bottom right.

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Vertiv.com | Vertiv Headquarters, 1050 Dearborn Drive, Columbus, OH, 43085, USA

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