



Quick Start Guide

Version 2.4 | Hardware Version 2

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1. Introduction

1.1 Gemini Appliance Model Identification

Figure 1. A140/F1000/F2000/S1000/S2000 Series Front-Panel



Figure 1. A140/F1000/F2000/S1000/S2000 Series Front-Panel

- (1) Power Button
- (2) VGA D-Sub

Figure 2. 140/F1000/F2000/S1000/S2000 Series Back Panel

- (1) Ethernet Port 1
- (2) Ethernet Port 2
- (3) Ethernet Port 3
- (4) Ethernet Port 4
- (5) Ethernet Port 6 (if equipped)
- (6) Ethernet Port 5 (if equipped)

Figure 3. A240 / A540 Series Front-Panel

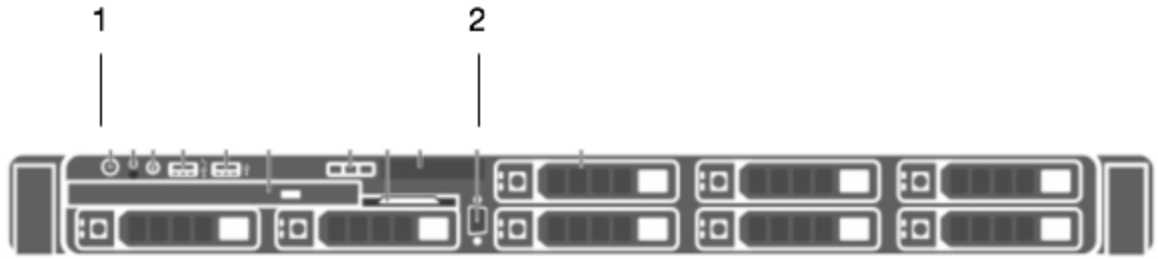


Figure 3. A240 / A540 Series Front-Panel

- (1) Power Button
- (2) VGA D-Sub

Figure 4. A240 / A540 Back Panel

Figure 4. A240 / A540 Back Panel

- (1) Ethernet Port 1
- (2) Ethernet Port 2
- (3) Ethernet Port 3
- (4) Ethernet Port 4
- (5) Ethernet Port 6 (if equipped)
- (6) Ethernet Port 5 (if equipped)

Figure 5. A240 / A540 Series Back Panel

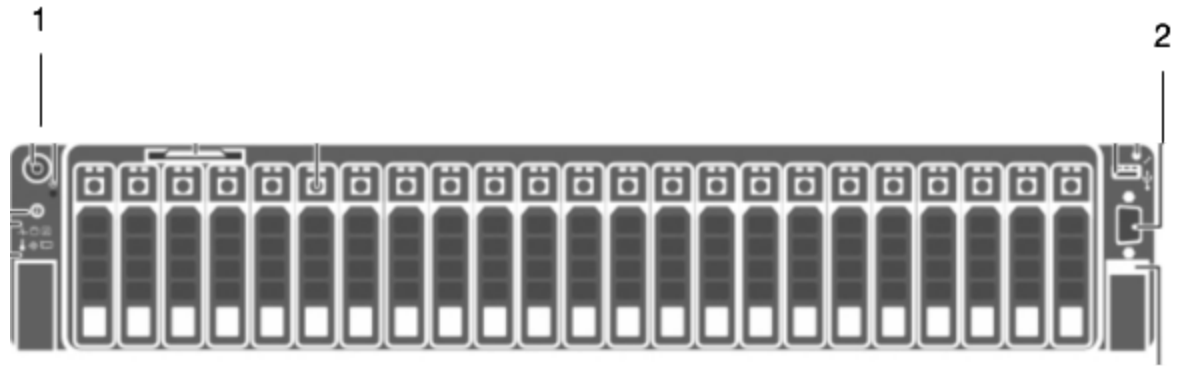


Figure 5. A1040 / A2510 / A2540 Series Front Panel

- (1) Power Button
- (2) VGA D-Sub

%%* ``5 %\$(\$`#5 &) %\$`#5 &) (\$`GYfJYg`FYUf`DUbY`

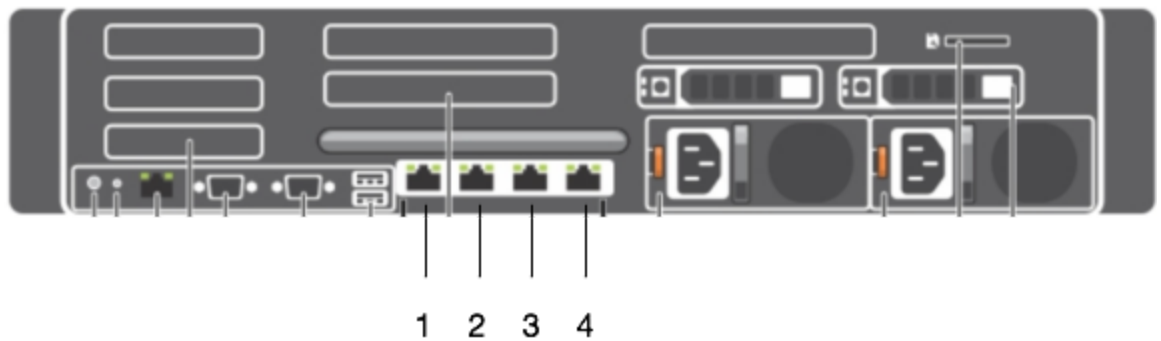


Figure 6. A1040 / A2510 / A2540 Series Panel

- (1) Ethernet Port 1
- (2) Ethernet Port 2
- (3) Ethernet Port 3
- (4) Ethernet Port 4

▪



2. Getting Started

2.1 Prerequisites

- a) An ethernet cable and available ethernet switch connection
 - b) One IP address for Gemini appliance ethernet port 1 (address, netmask and gateway are required for manual configuration. DHCP is supported)
 - c) A client PC which is able to access to the Gemini appliance IP address defined above.
 - d) Google Chrome browser is recommended.
 - e) (optional) Access to the Splunk Enterprise installation tarball (splunk-*.*. *-Linux-x86_64.tgz).
 - f) (optional) Internet access and FQDN of this appliance are required for Cloudera CDH installation.
-

2.2 Power On

- a) Plug and connect the power cables to the appliance's power supply unit
- b) Connect a VGA monitor and USB keyboard
- c) Connect the primary ethernet cable to ethernet port 1
- d) Press front panel Power Button (A).

The button may need to be pressed twice the first time the appliance is turned on.

2.3 Appliance Log In

If the 'login' prompt is not visible on the connected monitor, press 'enter' on the keyboard a few times. The login prompt should appear.

For initial setup, log into the appliance as user **gVcl** with the default password "**ZWjbl** **YhZ bWjcb Xfj Y**". The setup flow will require the user to choose a new secure password before configuration can continue. The password can always be changed once the appliance is configured.

2.4 Network Configuration

&('%'8 < 7 D'GYh d'

3. Gemini Enterprise: Manager

Final configuration of the appliance is completed using the Manager web console. Using a supported web browser, navigate to:

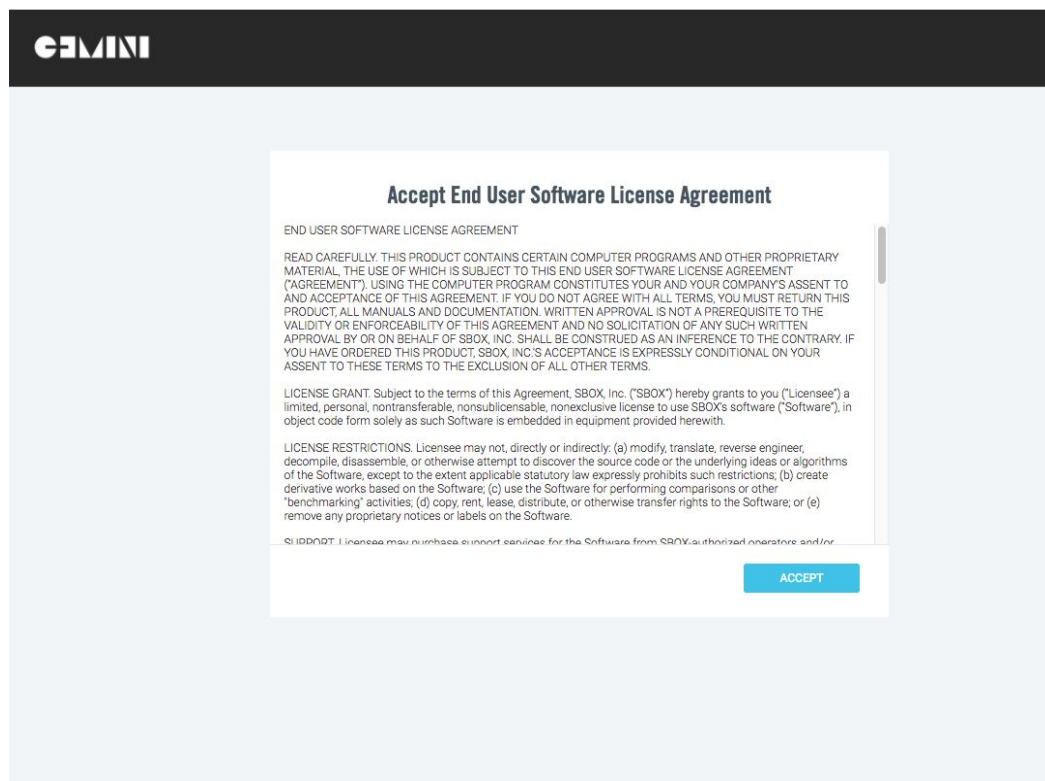
<https://<IP address from prior step>>

A security warning or message may be displayed. This is expected and does not indicate a problem. Depending on your browser you may have to choose “proceed anyway” or “continue” for the page to load.

3.1 Activation

' '%%%'9I @ '

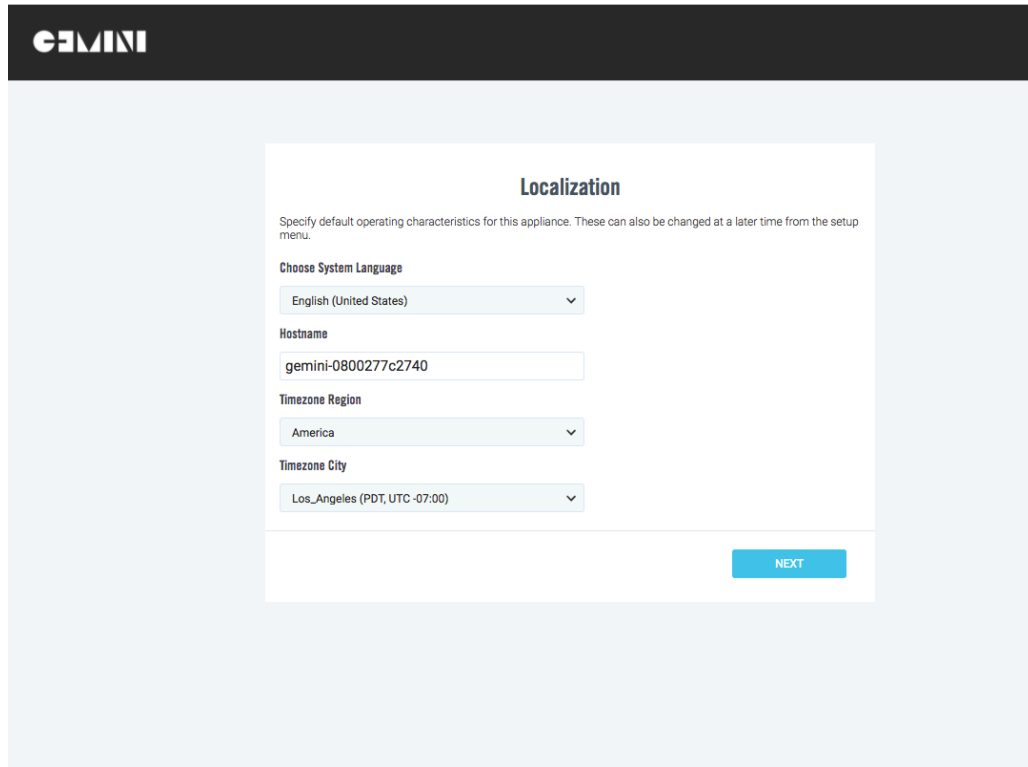
Upon the first visit to Manager, the End User Software License Agreement is shown. After reading the terms, choose **5 WVVdht** to advance to the next screen.



' '%&' @WU]nUjcb'

Manager supports multiple languages and setting a preferred language adjusts the entire user experience accordingly. .

If the hostname and timezone settings were skipped in previous basic configurations, this step provides an opportunity to configure them.



The screenshot shows the Gemini Appliance Localization configuration screen. At the top left is the Gemini logo. The main heading is "Localization". Below the heading is a sub-heading "Choose System Language" with a dropdown menu set to "English (United States)". Below that is the "Hostname" field with the value "gemini-0800277c2740". Below the hostname is the "Timezone Region" dropdown menu set to "America". Below the region is the "Timezone City" dropdown menu set to "Los_Angeles (PDT, UTC -07:00)". At the bottom right of the form is a blue "NEXT" button.

GEMINI

Localization

Specify default operating characteristics for this appliance. These can also be changed at a later time from the setup menu.

Choose System Language

English (United States) ▼

Hostname

gemini-0800277c2740

Timezone Region

America ▼

Timezone City

Los_Angeles (PDT, UTC -07:00) ▼

NEXT

License Options

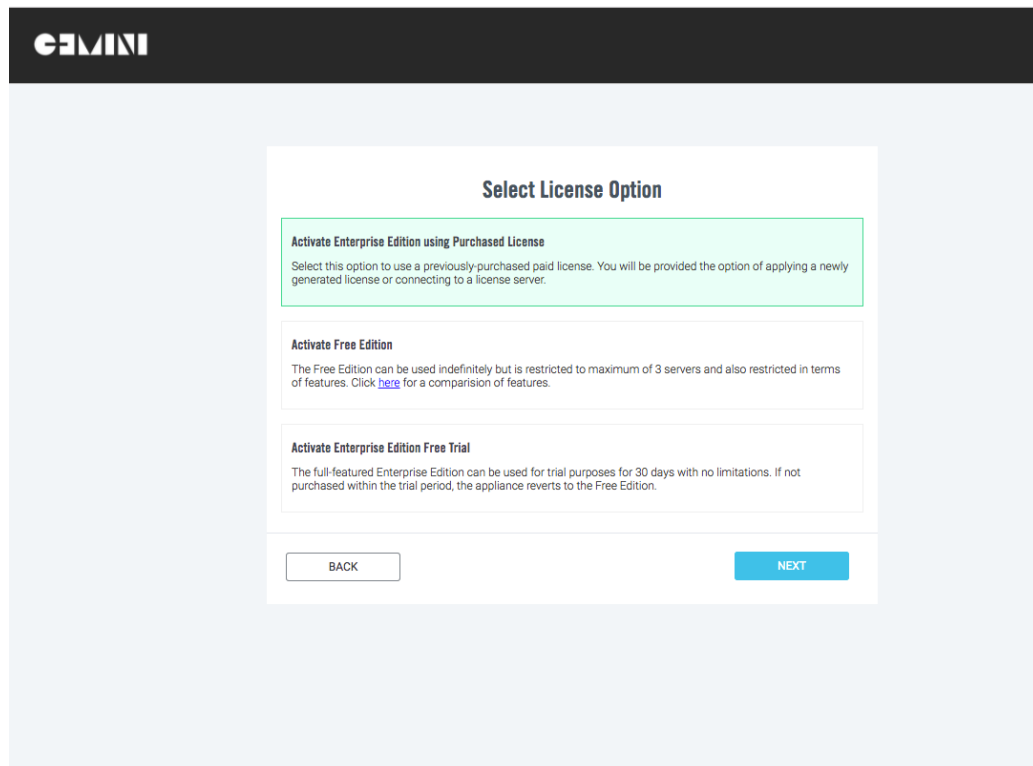
Manager supports 3 types of licenses:

“5 Wlj UH’9 bhYdf]gY’9 X]hcb’i g]b[‘Di fW UgYX’@WbgY”: Select this if there’s a purchased license was provided or there is a license server configured.

“5 Wlj UH’ : fYY’9 X]hcb”: With this option several features are restricted. Ignore this option if you already had a purchased license or you want to have a trial.

“5 Wlj UH’9 bhYdf]gY’9 X]hcb’ : fYY’Hf]U”: Select this if you want to start a 30 days free trial. Purchased user may also considered to select this and attach purchased license later.

Only when you selected any one of the options, the “Next” button will reveal.

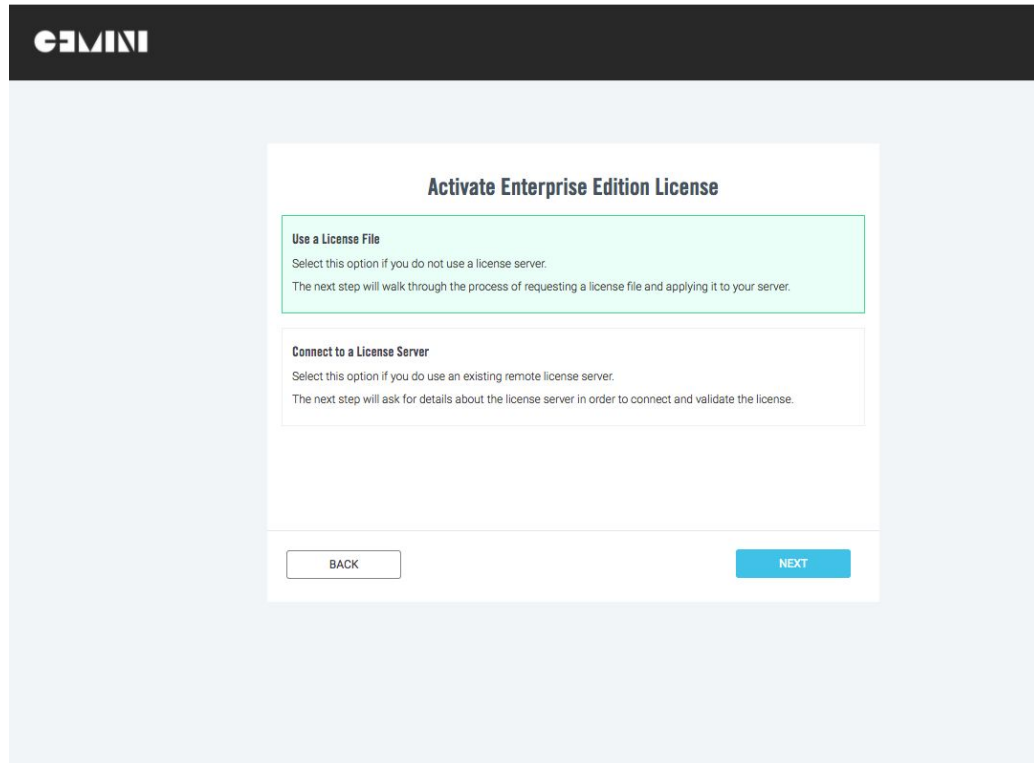


Use a License File

Select “Use a License File” if you have a purchased license.

Select “Connect to a License Server” if you have a license server to manage all the licenses and can be activated from this license server.

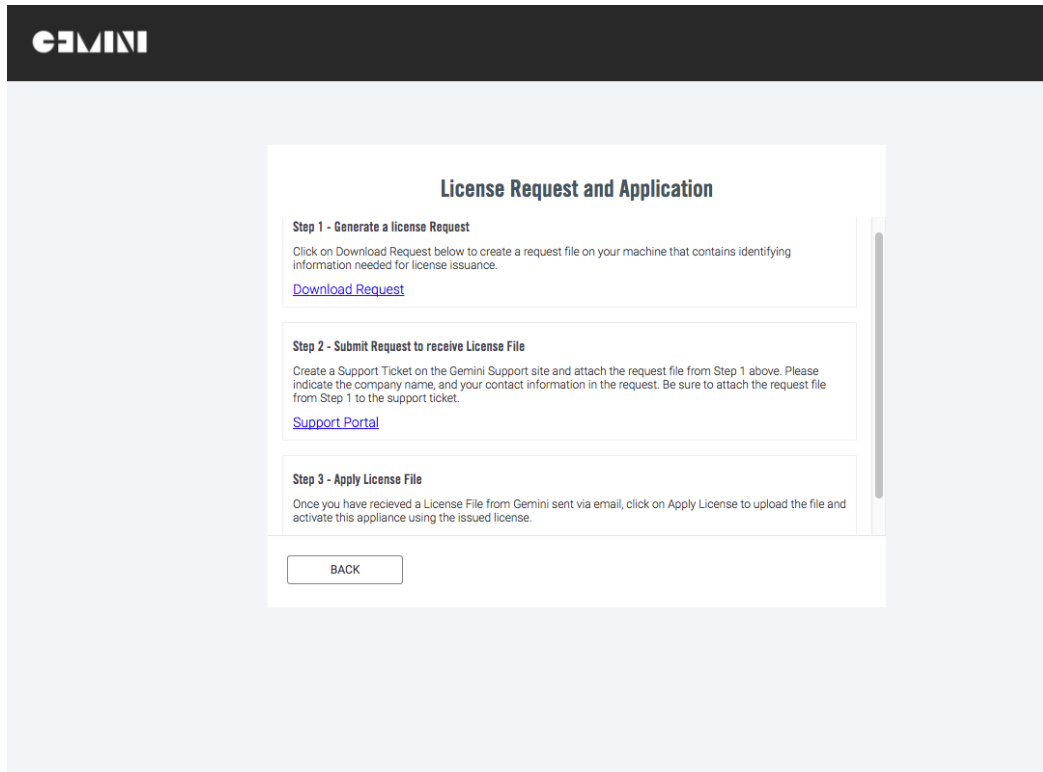
Only when you selected any one of the options, the “Next” button will reveal.



Use a License File

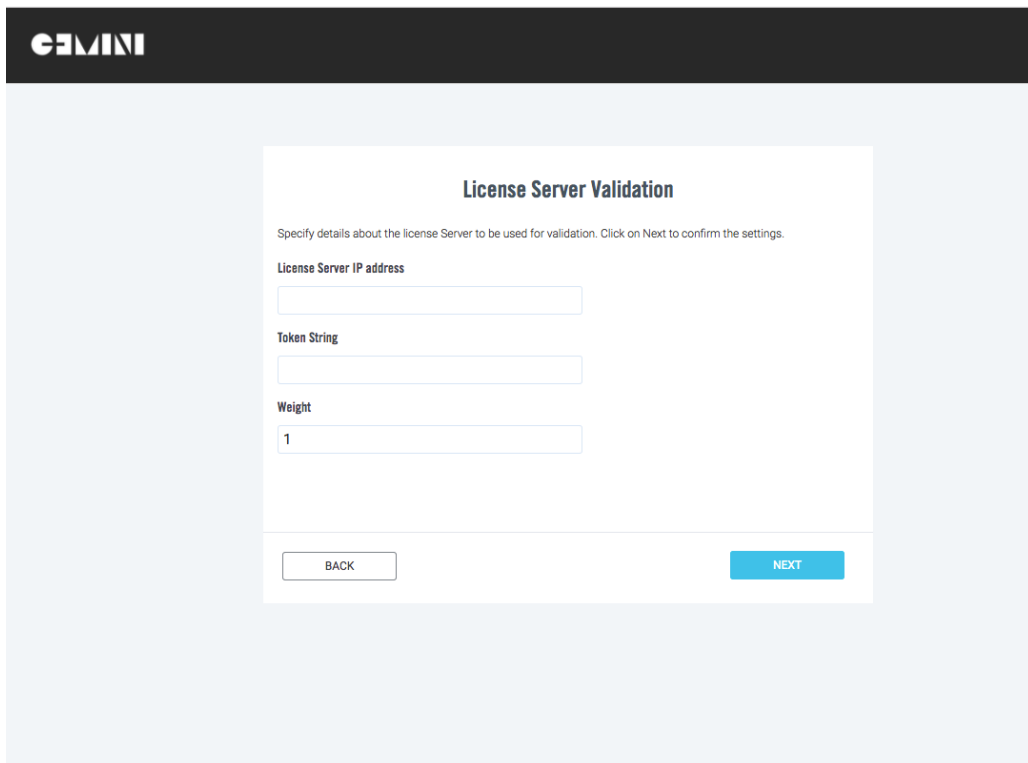
Follow the steps to generate a license request file, send it to Gemini support and apply the received license.

Only when you applied the license file, the “Next” button will reveal.



' %' '%& @WfbgY'GYfj Yf ' J U]XUhc b'

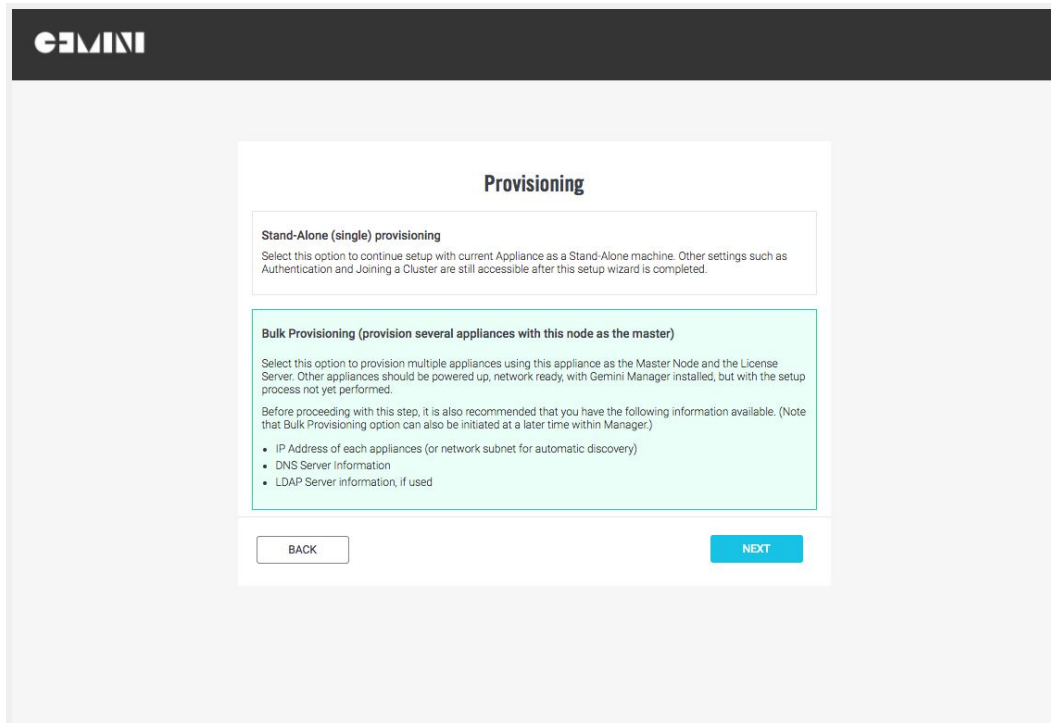
Input the License server IP address and token string for validation.



• **“(Dfcj]g]cb]b[”**

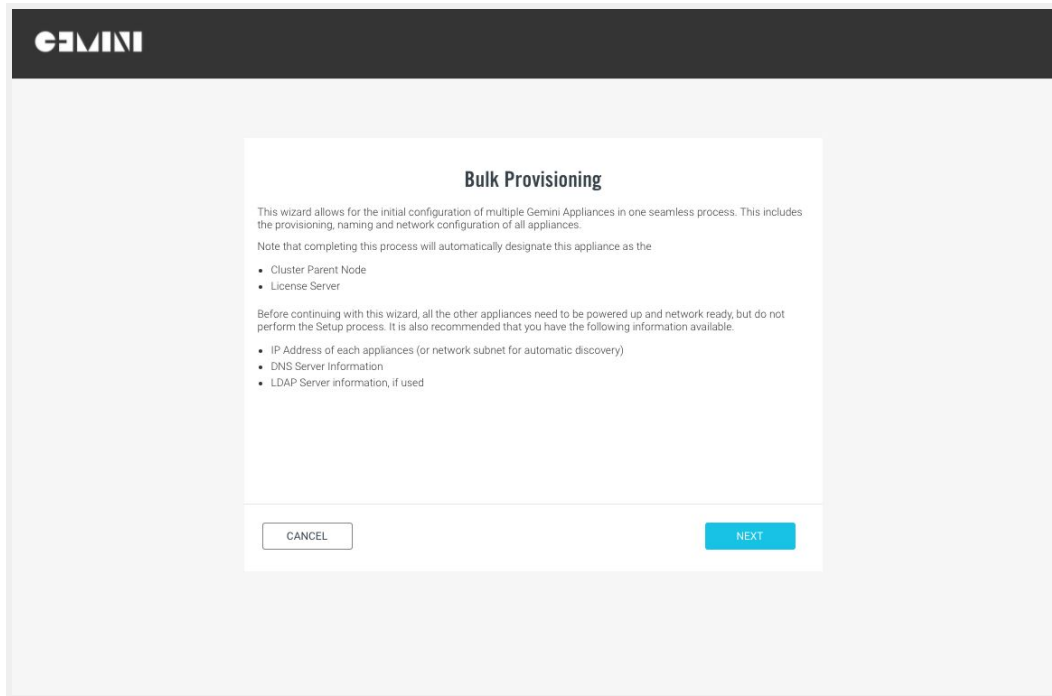
If you have multiple appliances to be configured, select “6 i ` _`Dfcj]g]cb]b[`f]dfcj]g]cb` gYj YfU`Udd`]UbWg`k]k `k]g`bcXYUg`h Y`a UghYfL” would help you to apply configurations and complete the initial setup on the appliances at one time.

To operate as a standalone appliance, select “GHubX!5`cbYfb]b[`YLdfcj]g]cb]b[”.



• **“(6 i ` _`Dfcj]g]cb]b[”**

This is a step-by-step wizard to guide you complete the initial setup configurations.



' '%{ '%%5 dd`]UbWV'8]gWt:j Yfmi

If you have a known appliances IP list, e.g. acquired from DHCP server or reported by AWS, you can create a text file and make an IP list, one IP address per line, and then upload this text file to locate the appliances.

Another way is to perform a IP subnet scan to discover the appliances. Use CIDR notation to specify the subnet, e.g. 192.168.156.0/24.

Please note if you specify a large subnet, it might take long time on scanning.

GEMINI

Bulk Provisioning - Appliance Discovery

Upload Text File with IP addresses
Upload a file contain the IP addresses of each appliance, one per line, stored in an unformatted text file. The current node need not be included.

Auto-Discovery using IP Subnet
Discover appliances automatically using the specified IP subnet, in CIDR Notation

Subnet
172.27.11.0/24

2 instance(s) have been identified during network scan.
Of those identified, 2 nodes are eligible for provisioning.

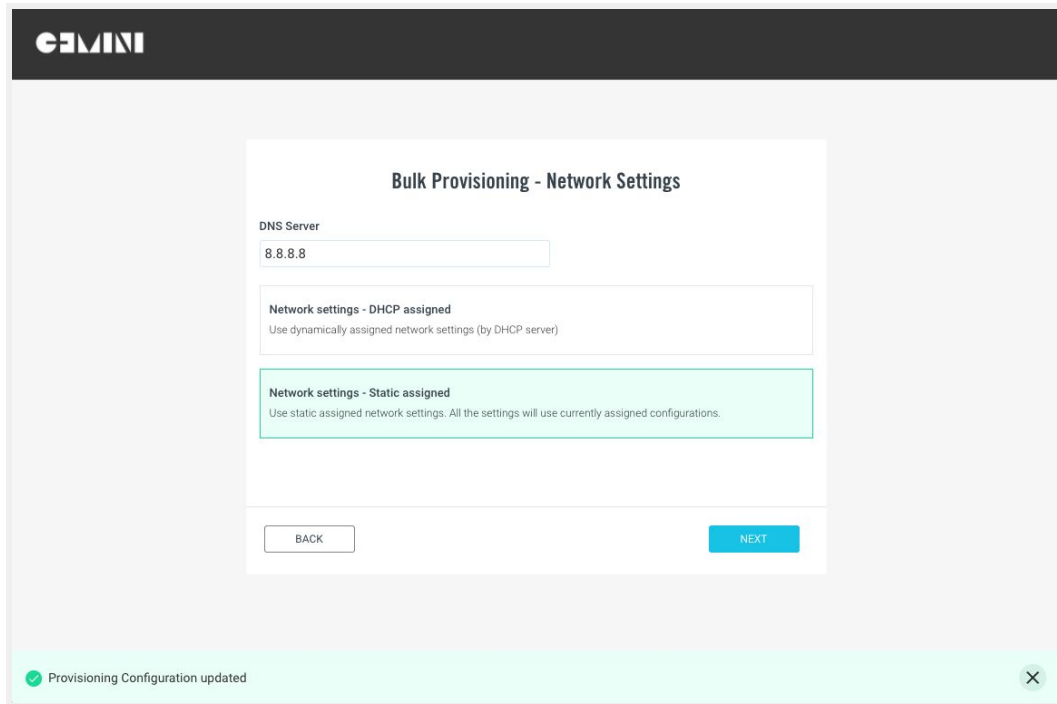
Click "next" to continue...

START OVER NEXT

' 0%{ '0%&'BYrk cf_ 'GYHjb[g'

If the IP address of all the appliances are assigned by DHCP server and you want to keep them as static IP configurations, select “**BYrk cf_ 'gYHjb[g!' GHUjWUgg][bYX**”. This is useful when building a DHCP server for deployment temporarily. User may assign IP addresses by using DHCP server and use this option to turn the configurations permanently. In the end DHCP server can be removed after deployment.

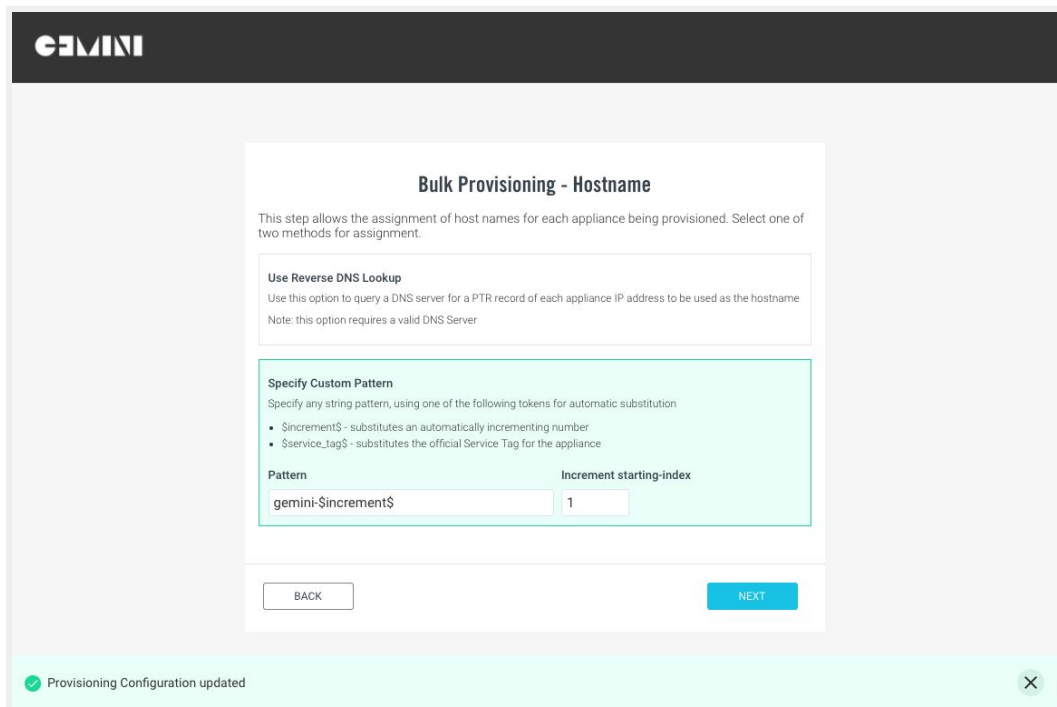
Keep the default settings to assign IP address by DHCP, select “**BYrk cf_ 'gYHjb[g!' 8 <7 D`Ugg][bYX**”.



Assigning Hostnames

When you have assigned DNS records for each appliance, select “Use Reverse DNS Lookup” to acquire it’s own hostname.

If you want to name the appliances with a custom pattern, select “Specify Custom Pattern” and specify the custom pattern with valid tokens.



Update Admin Password

Update the password for the account 'admin' in Manager here. It is recommended that you use a strong password or if applicable, follow appropriate password security policy as required for your enterprise.

Please note all the appliance will be updated with the same admin password.

GEMINI

Bulk Provisioning - Change Admin Password

Change the default password for the Admin account for this Gemini appliance. Follow best practices and any applicable corporate policies to ensure security. This can be changed later within Settings. Minimum length 7 characters.

Enter New Password

show password

Confirm Password

BACK NEXT

Provisioning Configuration updated

Configure LDAP Authentication

You may configure LDAP resources here to support LDAP authentication. When LDAP resources are configured successfully and correctly, a user will be able to login to Manager with their LDAP account.

Read *LDAP Authentication* in Settings chapter for more details. Please note this is optional and you can skip it.

GEMINI

Bulk Provisioning - Connect to LDAP

Resource Name
Admin from IT Group

Base DN
OU=IT, DC=example, DC=com

Login Attribute
uid

Host
ad1.example.com

Port
389

SSL

BACK SKIP NEXT

Provisioning Configuration updated

SSH Authentication

For SSH login, you may specify the password for SSH authentication. You may also upload SSH key to complete the key exchange and it allows you to login Manager via SSH without password required.

Please note this is optional and you can skip it.

GEMINI

Bulk Provisioning - SSH Authentication

Use a password for SSH authentication
Set a password for the 'sbox' and 'splunk' user which are available as SSH credential. Minimum length 6 characters.

Password for 'sbox' Password for 'splunk'

.....

show password show password

Upload SSH key
Use public-key authentication to connect to the CLI using SSH.

Drop file here or click to select...

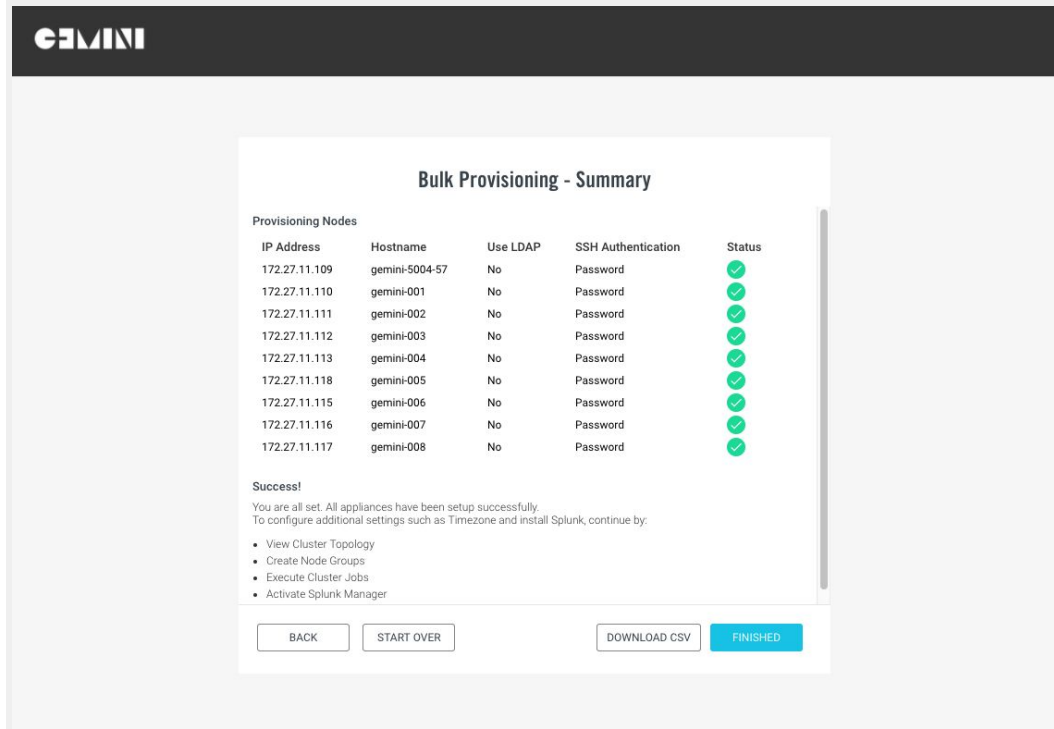
BACK SKIP NEXT

Provisioning Configuration updated

Summary of Provisioning

Here you can see the summary of provision appliances. Click **FINISHED** to start provisioning. You can see the live status during provisioning and download the CSV result for further use.

Click **FINISHED** to complete this wizard.

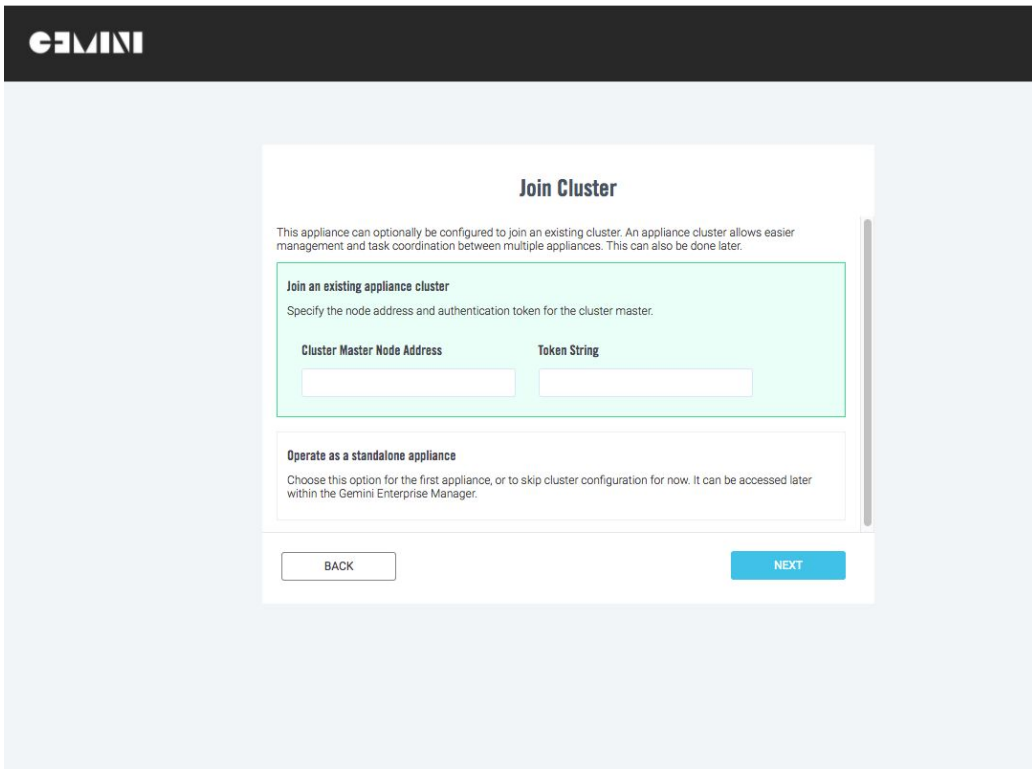


Joining an Existing Gemini Cluster

If this node is going to join into an existing Gemini Cluster, select **>c]b'Ub'Yl]gh]b[Udd`]UbW'Wi ghYf** and provide the IP Address and the Token String that were assigned on the Master Node.

If this is an standalone appliance, or you wish to configure a cluster at a later time, select **CdYfUH'Ug'UghUbXUcbYUdd`]UbW'**.

Only when you selected any one of them, the "Next" button will reveal.



-
-
-
-

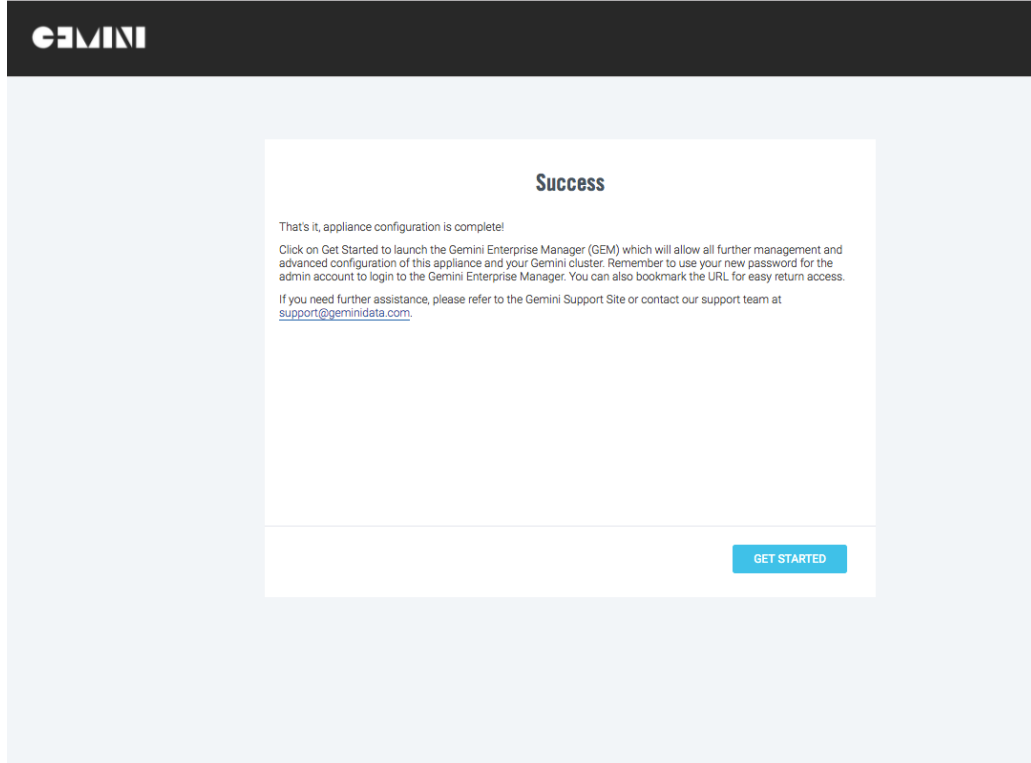
' '%(" ``GHUbX!5 `cbY'Dfcj]g]cb]b['!`7\ Ub[Y`5 Xa]b`DUggk cfX`

Update the password for the account 'admin' in Manager here. It is recommended that you use a strong password or if applicable, follow your password security policy in your enterprise.

The screenshot shows a web interface for changing the admin password. At the top left is the Gemini logo. The main heading is "Change Admin Password". Below the heading is a short instruction: "Change the default password for the Admin account for this Gemini appliance. Follow best practices and any applicable corporate policies to ensure security. This can be changed later within Settings." There are two input fields: "Enter New Password" and "Confirm Password". The "Enter New Password" field has a "show password" link to its right. At the bottom of the form are two buttons: "BACK" and "NEXT".

' '%('(``GHUx!5 `cbY`Dfcj]g]cb]b[`!'Gi WYgg`

Congratulations! The Completed screen lets you know that this appliance has been configured. Click “Get Started” to launch Manager.



▪

▪ ' %) ``K YWta Y'lc `; Ya]b]'9bhYfdf]gY. 'A UbU[Yf '

Log in to Manager with username 'admin' and password configured in the setup process.

Welcome to Gemini Enterprise: Manager

Username
admin

Password
Password

LOGIN

▪

▪

▪

