

# Akkadian Site Builder Admin Guide

1 — Last update: 2018/11/15

Akkadian Labs

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# Introduction

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Akkadian Site Builder™ is a day 1 provisioning solution for Cisco Unified Communications Manager (CUCM). It's a provisioning solution capable of quickly deploying new sites or dial plan configurations in CUCM.

# 1. Requirements and Limitations

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The following sections provide information about the requirements that your system must meet, and limitations that apply when you install or upgrade Akkadian Site Builder.

# 1.1. Virtual Machine Requirements

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Akkadian Site Builder is a Linux based Virtual Appliance supported on VMware ESXi.

Supported Versions of VMware vSphere ESXi = 5.0 U1, 5.1, 5.5, 6.0, and 6.5

The recommended server requirements for are:

vCPU	vRAM	vDISK	vNIC
2	8	1 × 8 GB	1

- Applications servers are defined as configured applications servers in Provisioning Manager and are not related to the number of servers with a cluster.
- Minimum of 2000 MHz reserved

## 1.2. Application Support

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Provisioning Manager provides support for the following applications:

Application	Versions
Cisco Unified Communications Manager	10.x – 12.x

## 1.3. Browser Support

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Site Builder is supported using the following browsers:

- Microsoft Internet Explorer 11+
- Microsoft Edge 39+
- Mozilla Firefox 53+
- Chrome 50+



## 1.4. Network Requirements

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Akkadian Site Builder communicates on the following ports:

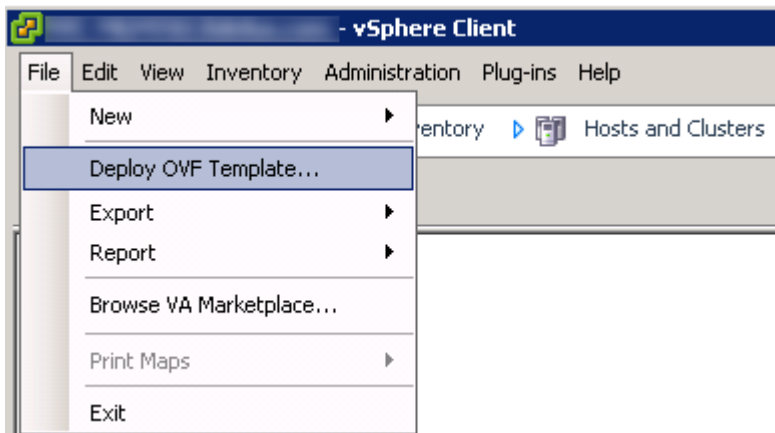
Traffic	Port	Direction
Application Web Access	HTTPS:443	Inbound —> Provisioning Manager
Communication to Cisco Communications Manager	HTTPS:8443	Outbound Provisioning Manager —> CUCM
FTP between application and backup server	TCP Port 21	Outbound Provisioning Manager —> SFTP Server
Secure FTP between application and backup server	TCP Port 22	Outbound Provisioning Manager —> SFTP Server
SMTP to mail server	TCP Port 25	Outbound Provisioning Manager —> SMTP Server
LDAP	TCP/UDP Ports 389/3268	Outbound Provisioning Manager —> LDAP Server
Network Time Protocol (NTP)	UDP Port 123	Outbound Provisioning Manager —> NTP Server

## 2. Virtual Appliance Deployment

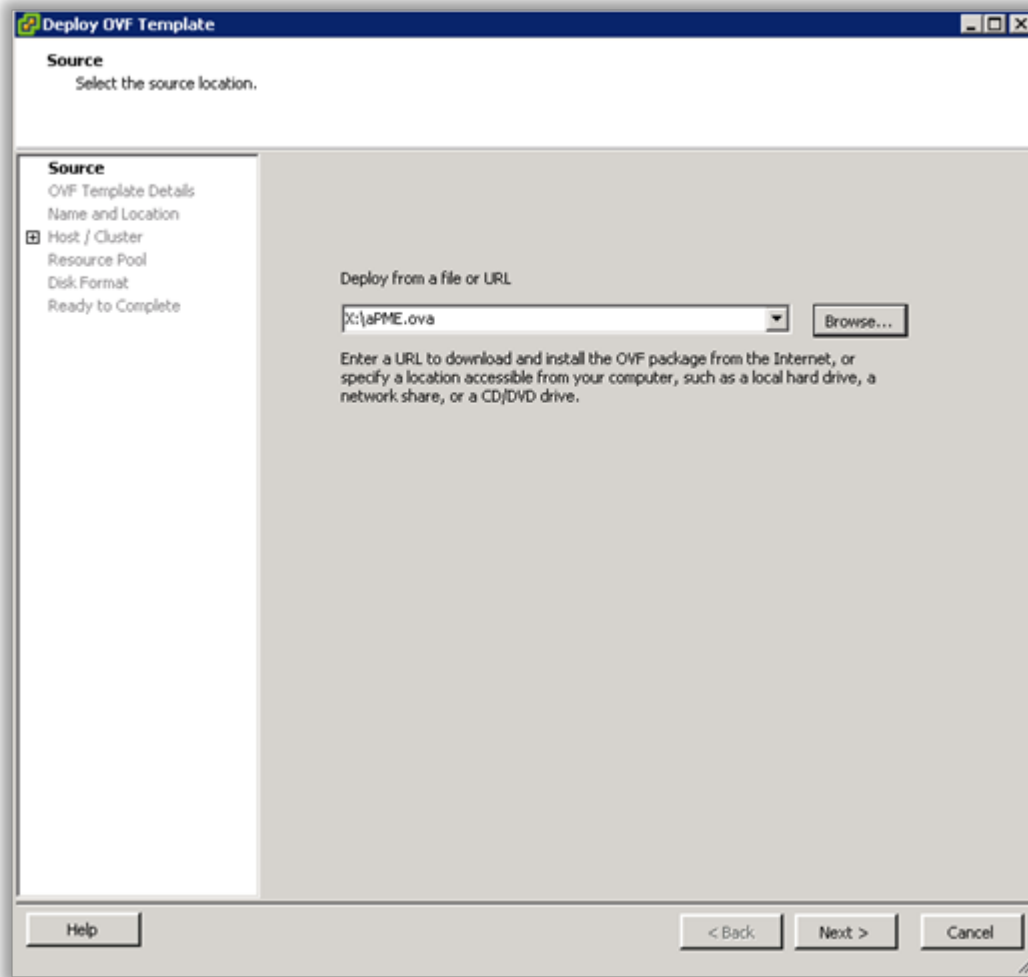
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Akkadian Site Builder is deployed as a virtual appliance on VMware ESXi versions 5.x and above. The steps below will help guide you through the process of deploying the virtual appliance; however, you should understand VMware or contact your VMware administrator for assistance.

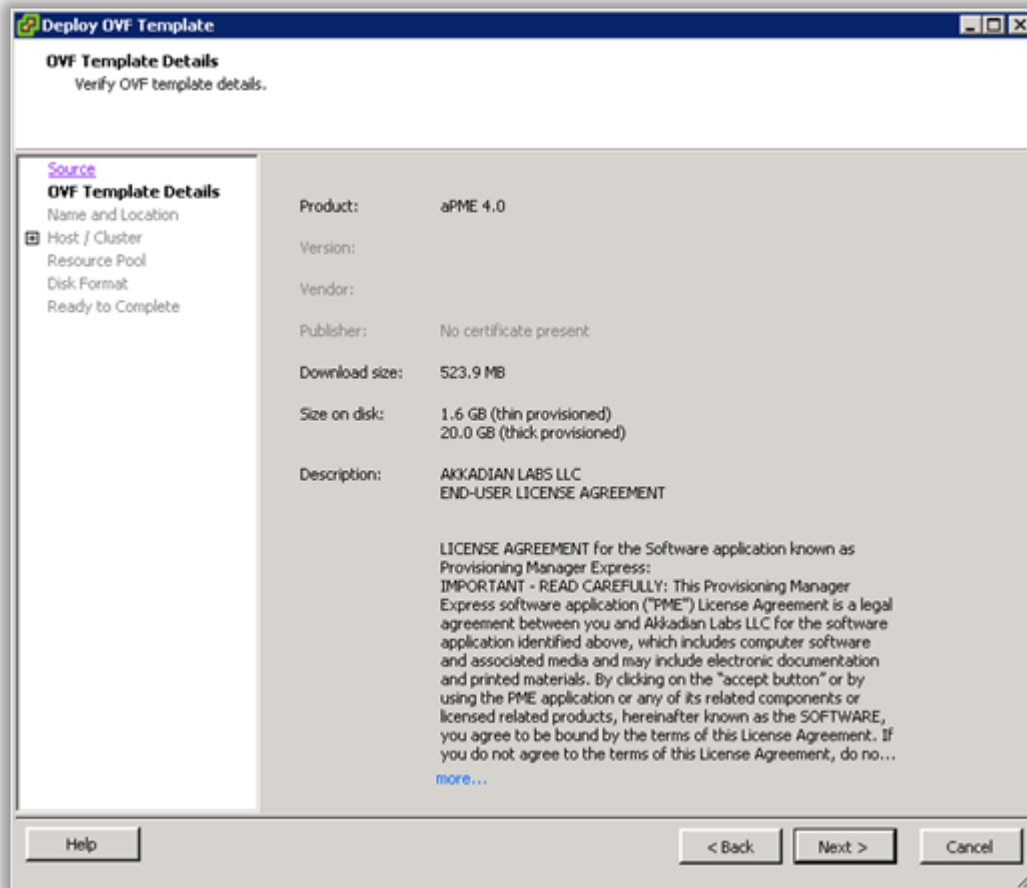
1. Download the latest akkadian Site Builder OVA to a location accessible by the vSphere client.
2. From the vSphere client select **Deploy OVF Template** from the **File** menu.



3. Select the OVA from computer or network location and click Next to continue.



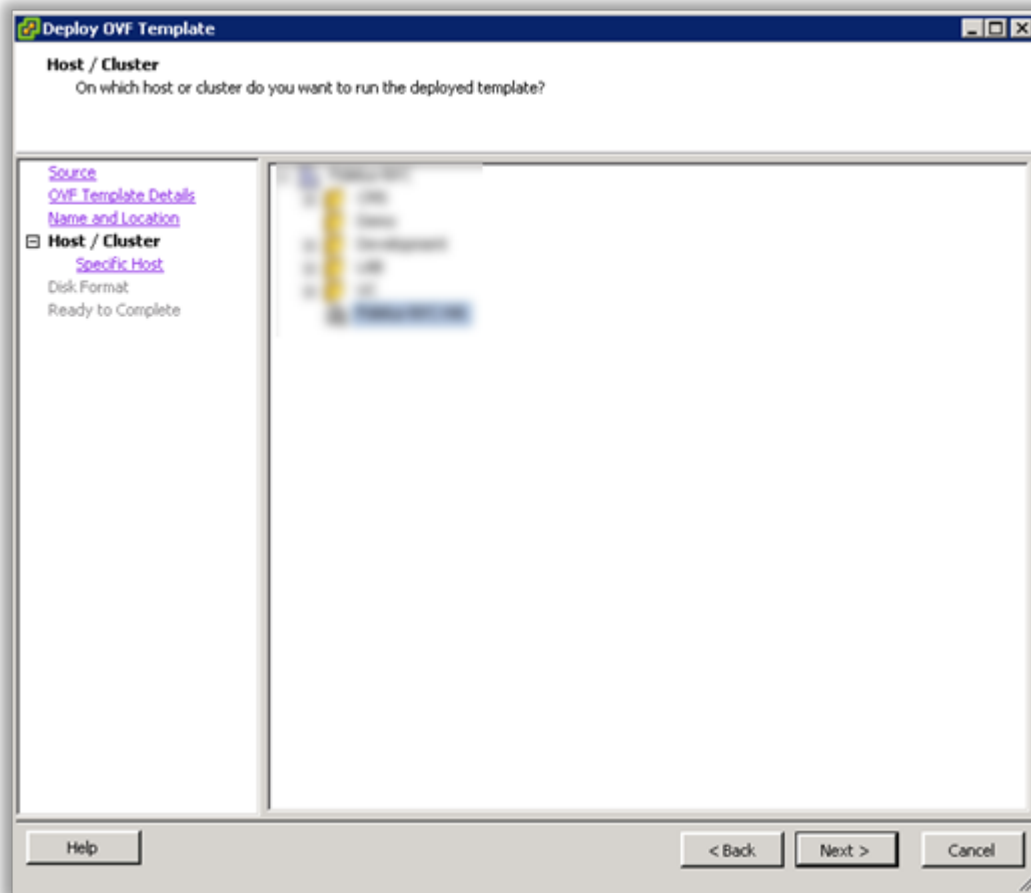
4. Review the License Agreement and click **Next** to continue.



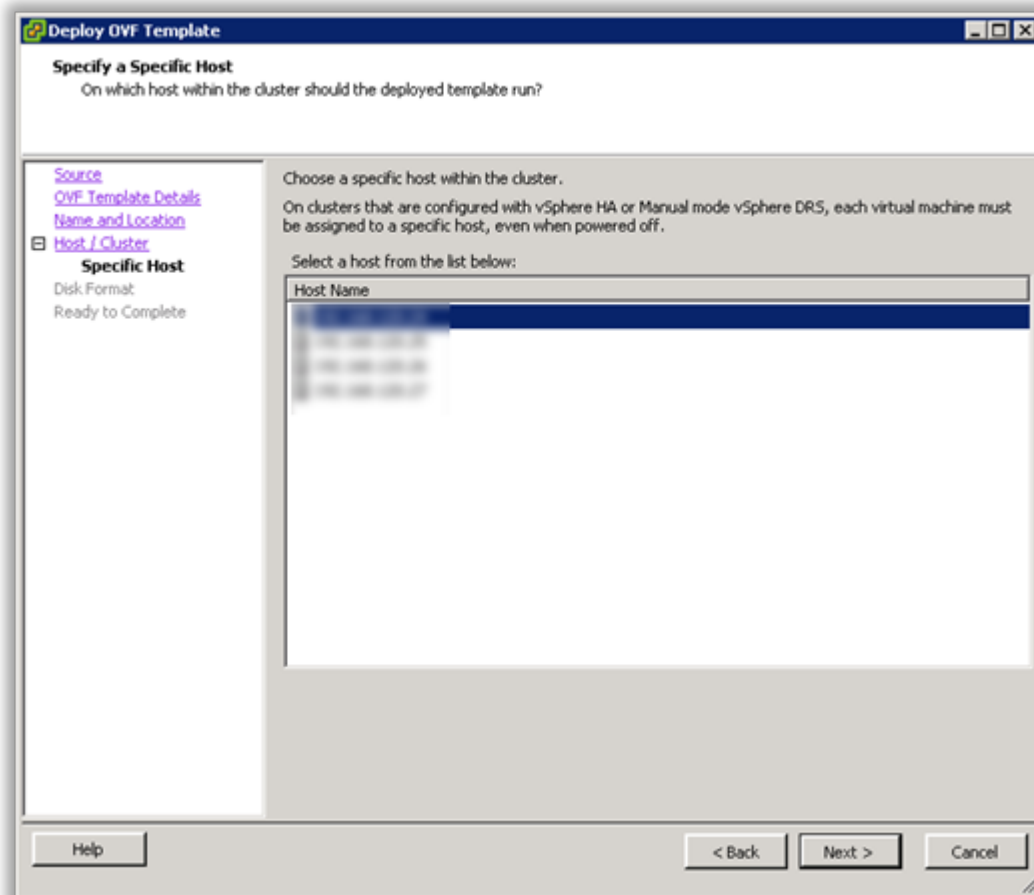
5. Specify the name and location for the VMware machine and click Next to continue.

The screenshot shows a Windows-style dialog box titled "Deploy OVF Template". The window has a blue title bar with standard minimize, maximize, and close buttons. The main content area is divided into two panes. The left pane, titled "Name and Location", contains a tree view with the following items: "Source" (highlighted in blue), "OVF Template Details", "Name and Location" (selected), "Host / Cluster", "Resource Pool", "Disk Format", and "Ready to Complete". The right pane is titled "Name and Location" and contains a text input field labeled "Name:" with the value "aPME 4.0". Below the input field is a note: "The name can contain up to 80 characters and it must be unique within the inventory folder." Below this note is a section labeled "Inventory Location:" which contains a large, empty rectangular area. At the bottom of the window, there is a "Help" button on the left and three buttons on the right: "< Back", "Next >" (which is highlighted with a black border), and "Cancel".

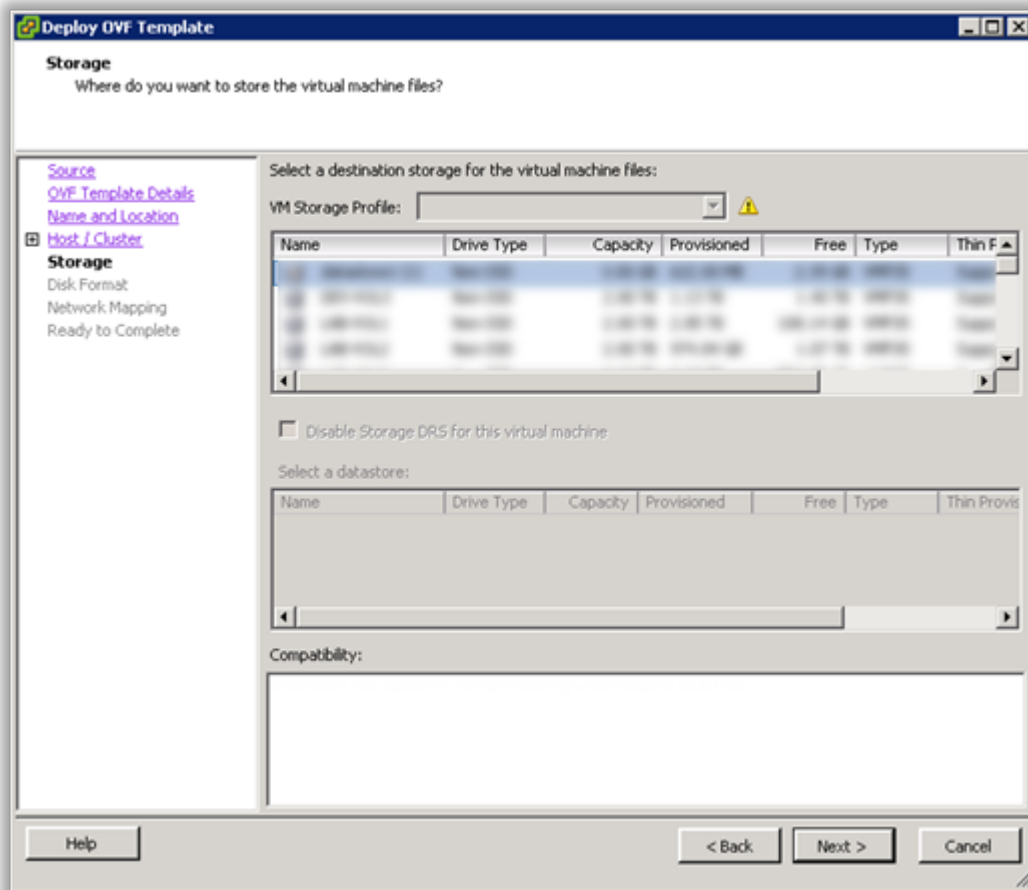
6. Specify the VMware Host / Cluster and click **Next** to continue.



7. Specify a host within the cluster and click Next to continue.

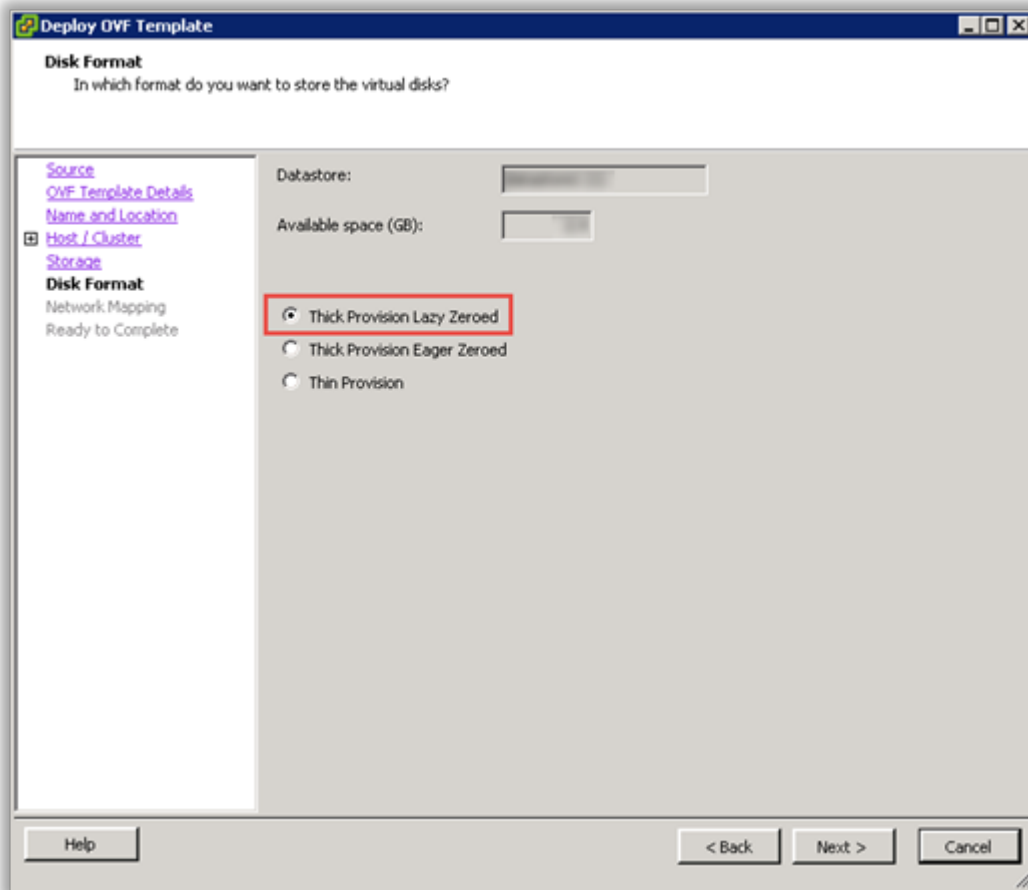


8. Specify the storage location for the virtual machine and click Next to continue.

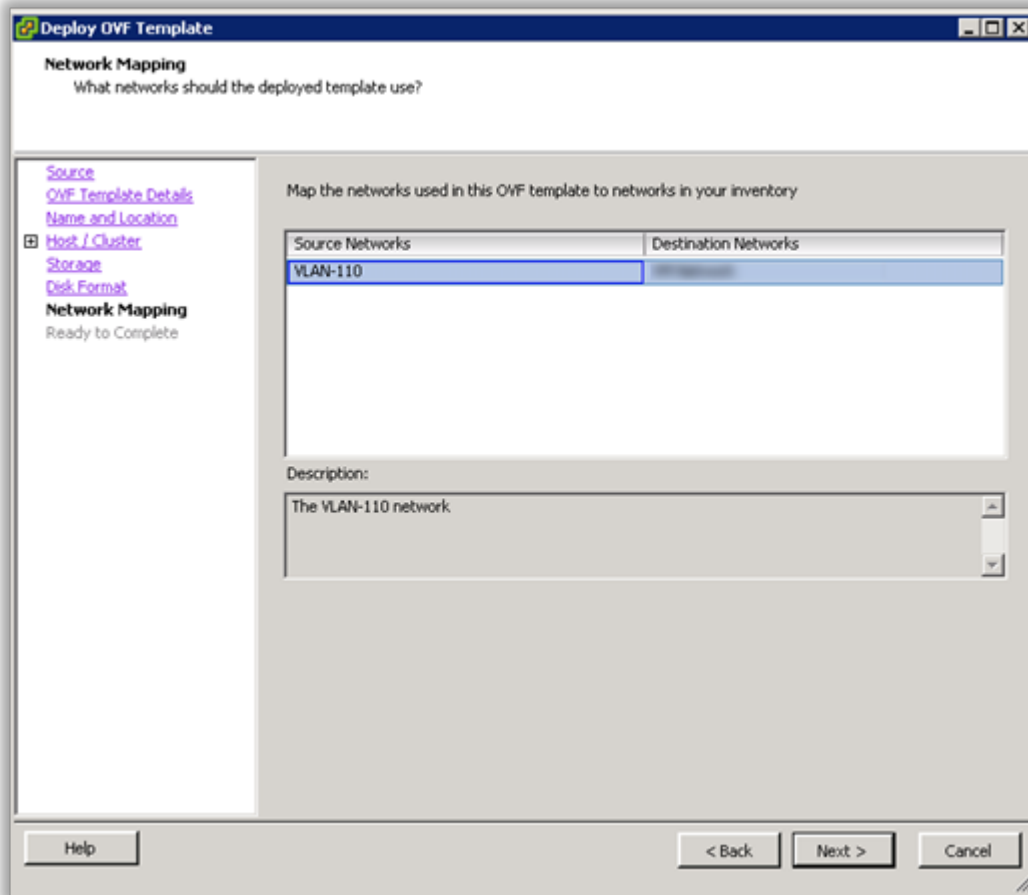


9. Select Thick Provision Lazy Zeroed and click Next to continue.

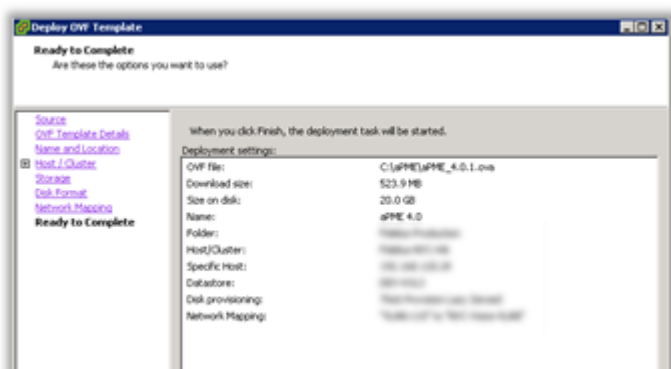




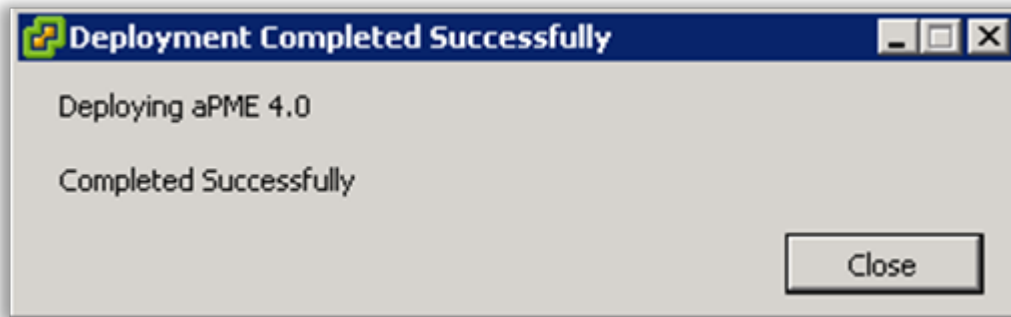
10. Select the Destination Network for the virtual machine and click Next to continue.



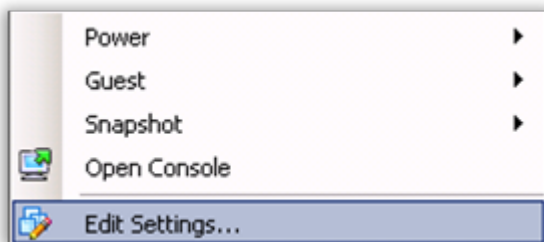
11. Verify the virtual machine settings. The initial OVA deploys with 2 vCPU and 8GB Memory. Depending on your system requirements, you may need to adjust the virtual CPU and Memory settings. Please refer to the [virtual machine requirements](#) to determine the appropriate settings for your environment.



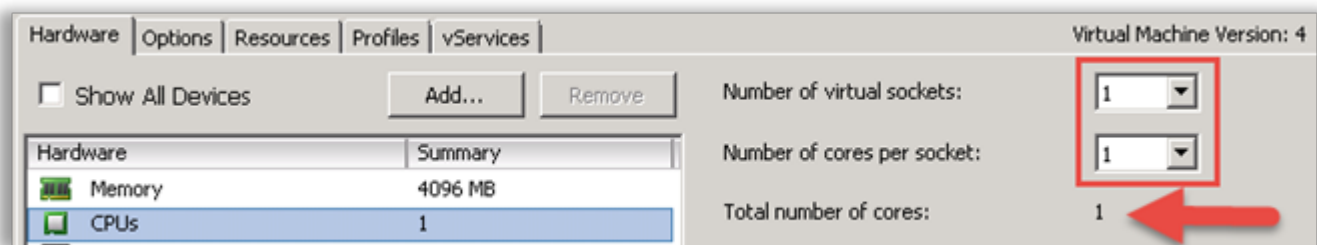
12. Click OK to complete the deployment.



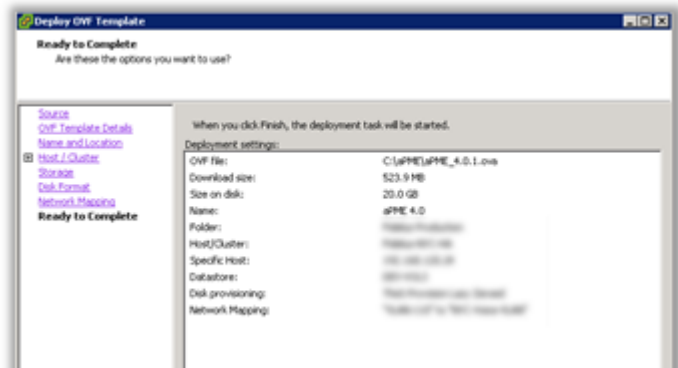
13. To adjust the virtual machine CPU and Memory, locate the newly deployed virtual machine in vCenter, right click on the virtual machine and select Edit Settings.



14. On the Hardware tab, select CPU and adjust the setting to provide the required number of cores for your environment.



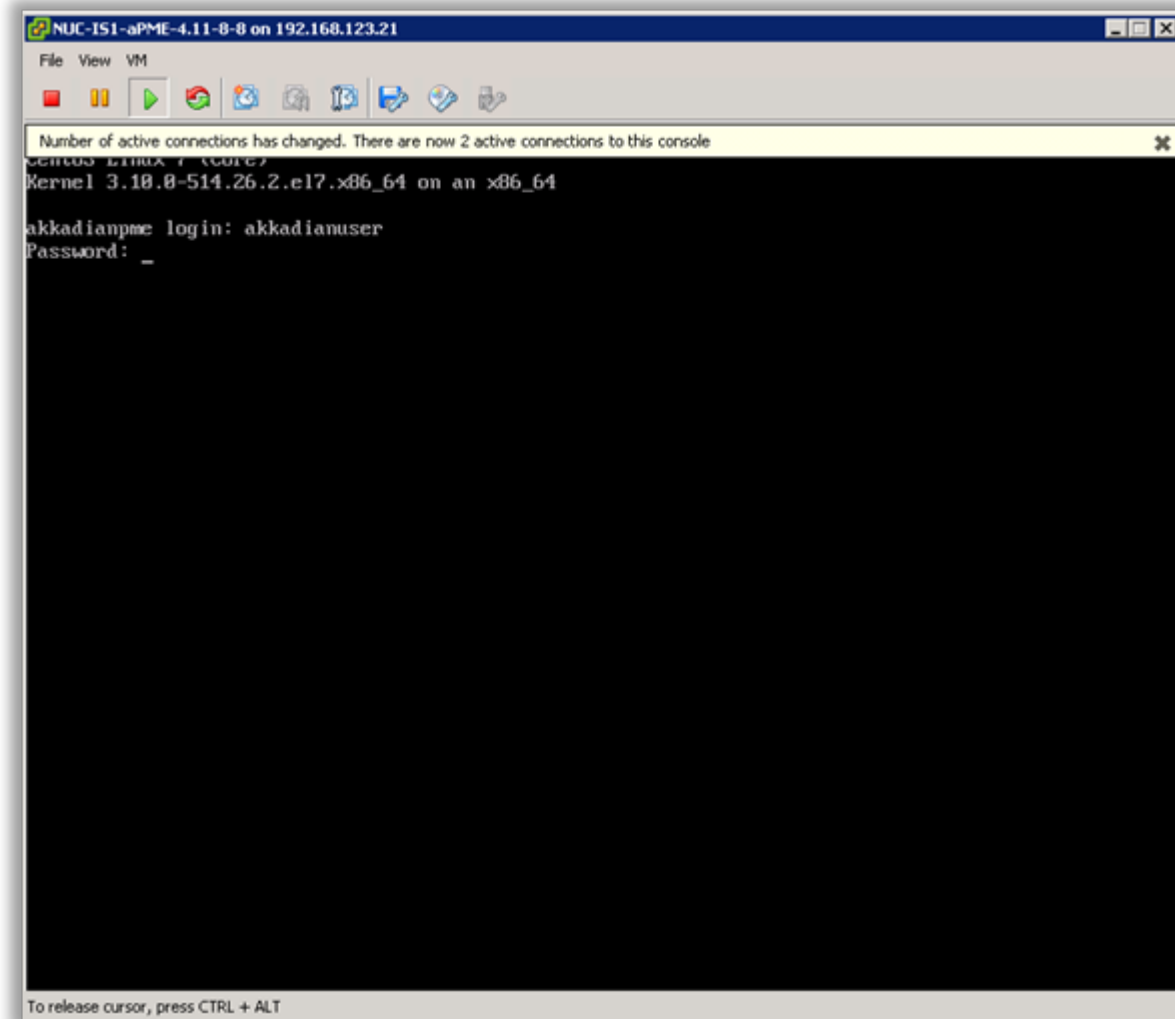
15. After adjusting the CPU, click on Memory and adjust the settings to provide the required resources for your environment. When completed, click OK to commit the changes.



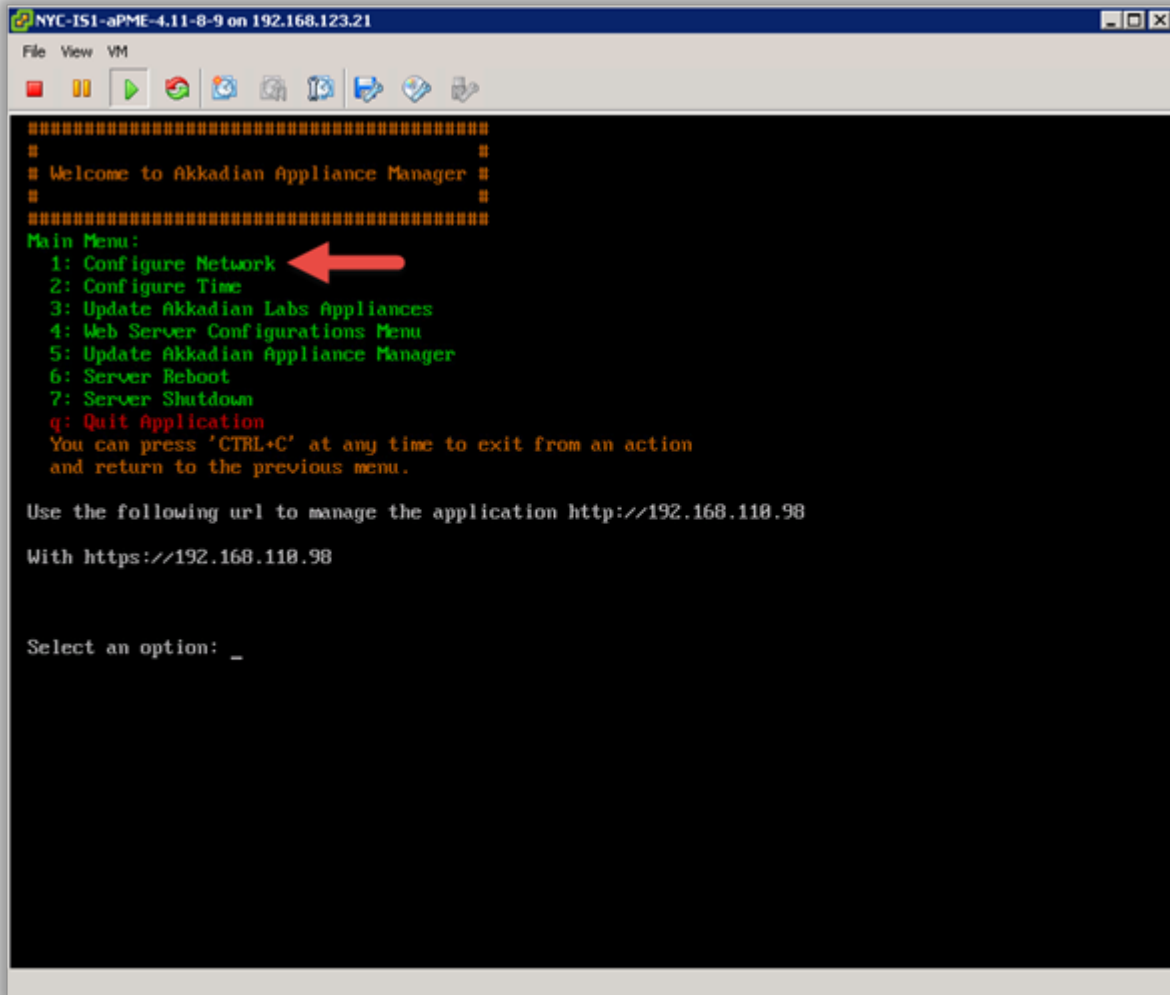
16. Power on the virtual machine and proceed.
17. Locate the virtual machine in vSphere and open a console.
18. When the server boot process is complete, the system will arrive at a login prompt. Login using:

Username – **akkadianuser**

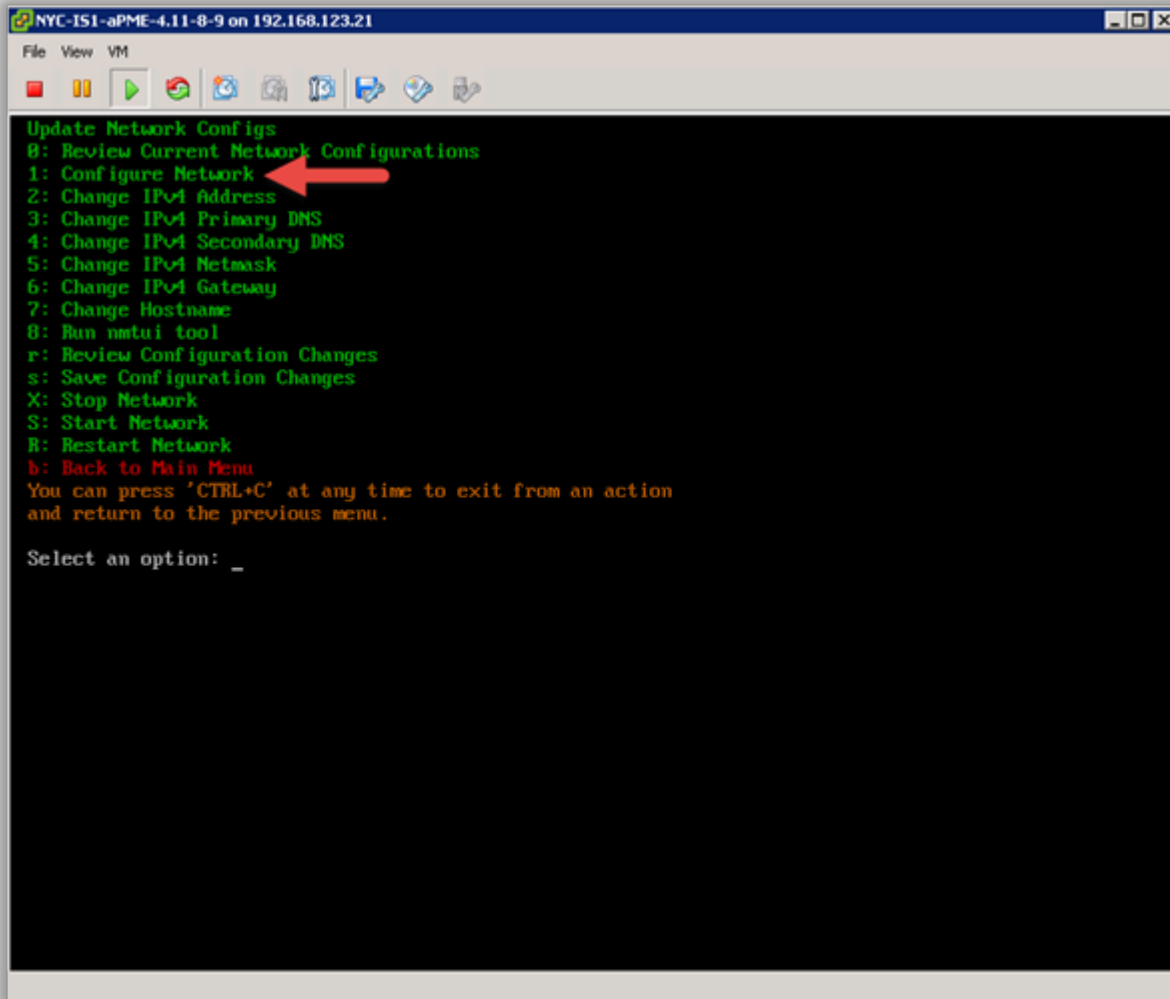
Password – **akkadianpassword**



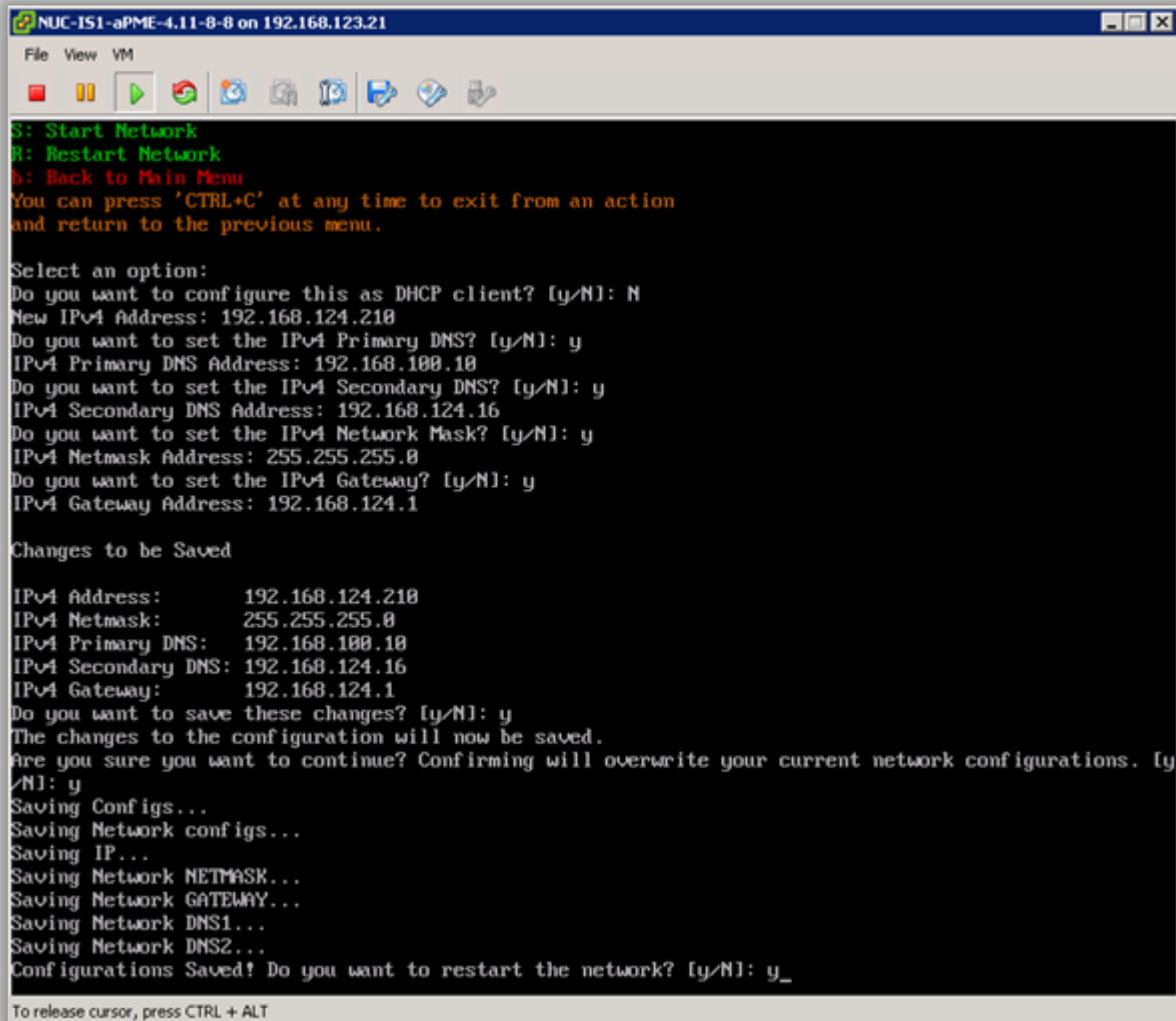
19. From the Akkadian Appliance Manager main menu, select option 1 to Configure Network.



20. Select option 1 to configure the network setting.



21. Follow the prompt to configure the network settings for your environment.

A screenshot of a terminal window titled "NUC-IS1-aPME-4.11-8-8 on 192.168.123.21". The window has a menu bar with "File", "View", and "VM". Below the menu bar is a toolbar with various icons. The terminal text shows a network configuration menu with options: "S: Start Network", "R: Restart Network", and "b: Back to Main Menu". It also includes instructions: "You can press 'CTRL+C' at any time to exit from an action and return to the previous menu." The user selects option "S". The terminal then prompts for various network settings, all of which are confirmed with "y". The settings include: "Do you want to configure this as DHCP client? [y/N]: N", "New IPv4 Address: 192.168.124.218", "Do you want to set the IPv4 Primary DNS? [y/N]: y", "IPv4 Primary DNS Address: 192.168.100.10", "Do you want to set the IPv4 Secondary DNS? [y/N]: y", "IPv4 Secondary DNS Address: 192.168.124.16", "Do you want to set the IPv4 Network Mask? [y/N]: y", "IPv4 Netmask Address: 255.255.255.0", "Do you want to set the IPv4 Gateway? [y/N]: y", and "IPv4 Gateway Address: 192.168.124.1". A section titled "Changes to be Saved" lists the configured values. The user is then asked if they want to save these changes (y), and if they are sure to continue (y). The terminal shows the process of saving configurations: "Saving Configs...", "Saving Network configs...", "Saving IP...", "Saving Network NETMASK...", "Saving Network GATEWAY...", "Saving Network DNS1...", and "Saving Network DNS2...". Finally, it says "Configurations Saved! Do you want to restart the network? [y/N]: y\_" and "To release cursor, press CTRL + ALT".

```
NUC-IS1-aPME-4.11-8-8 on 192.168.123.21
File View VM
S: Start Network
R: Restart Network
b: Back to Main Menu
You can press 'CTRL+C' at any time to exit from an action
and return to the previous menu.

Select an option:
Do you want to configure this as DHCP client? [y/N]: N
New IPv4 Address: 192.168.124.218
Do you want to set the IPv4 Primary DNS? [y/N]: y
IPv4 Primary DNS Address: 192.168.100.10
Do you want to set the IPv4 Secondary DNS? [y/N]: y
IPv4 Secondary DNS Address: 192.168.124.16
Do you want to set the IPv4 Network Mask? [y/N]: y
IPv4 Netmask Address: 255.255.255.0
Do you want to set the IPv4 Gateway? [y/N]: y
IPv4 Gateway Address: 192.168.124.1

Changes to be Saved

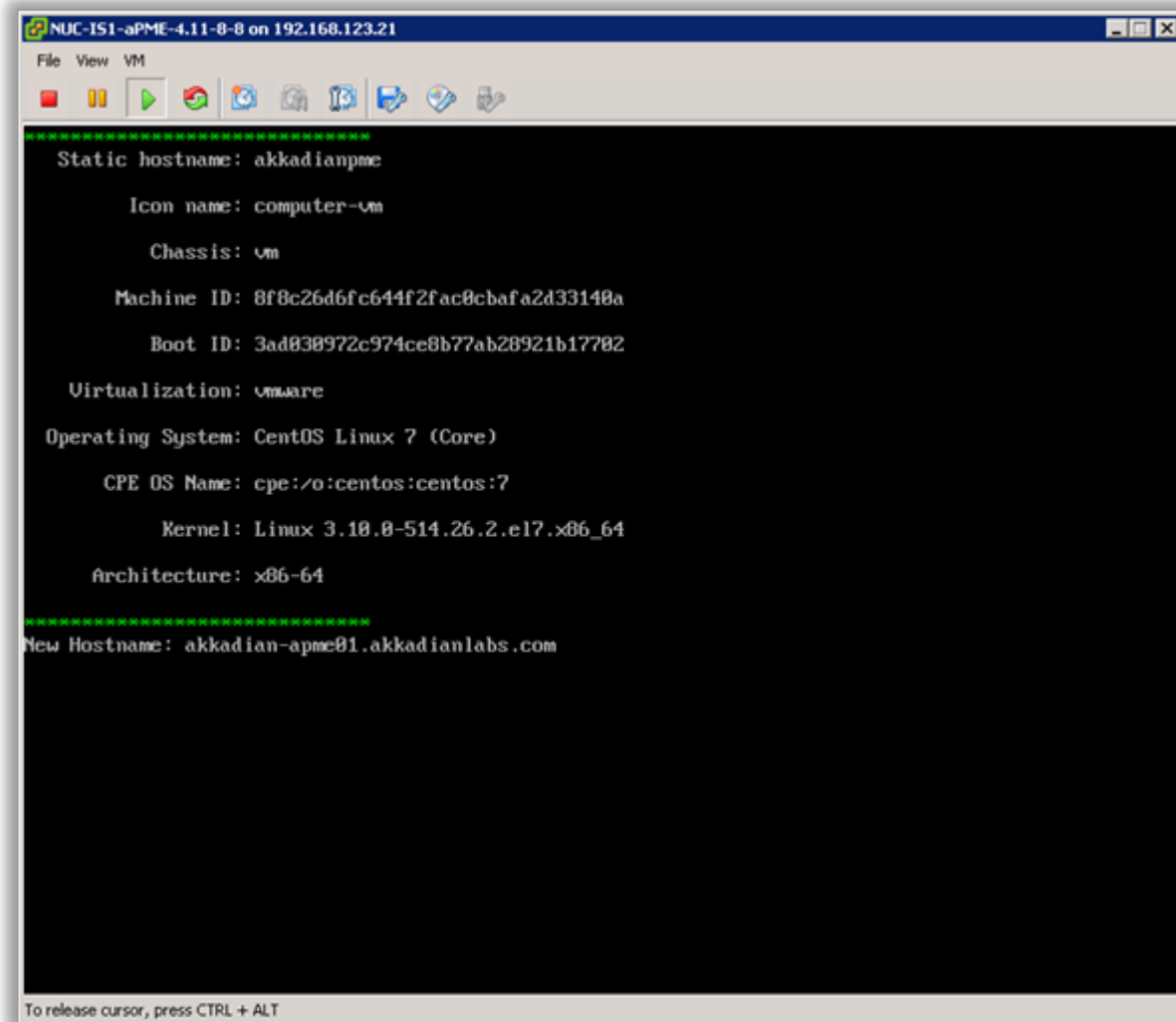
IPv4 Address:      192.168.124.218
IPv4 Netmask:     255.255.255.0
IPv4 Primary DNS: 192.168.100.10
IPv4 Secondary DNS: 192.168.124.16
IPv4 Gateway:     192.168.124.1
Do you want to save these changes? [y/N]: y
The changes to the configuration will now be saved.
Are you sure you want to continue? Confirming will overwrite your current network configurations. [y/N]: y
Saving Configs...
Saving Network configs...
Saving IP...
Saving Network NETMASK...
Saving Network GATEWAY...
Saving Network DNS1...
Saving Network DNS2...
Configurations Saved! Do you want to restart the network? [y/N]: y_

To release cursor, press CTRL + ALT
```

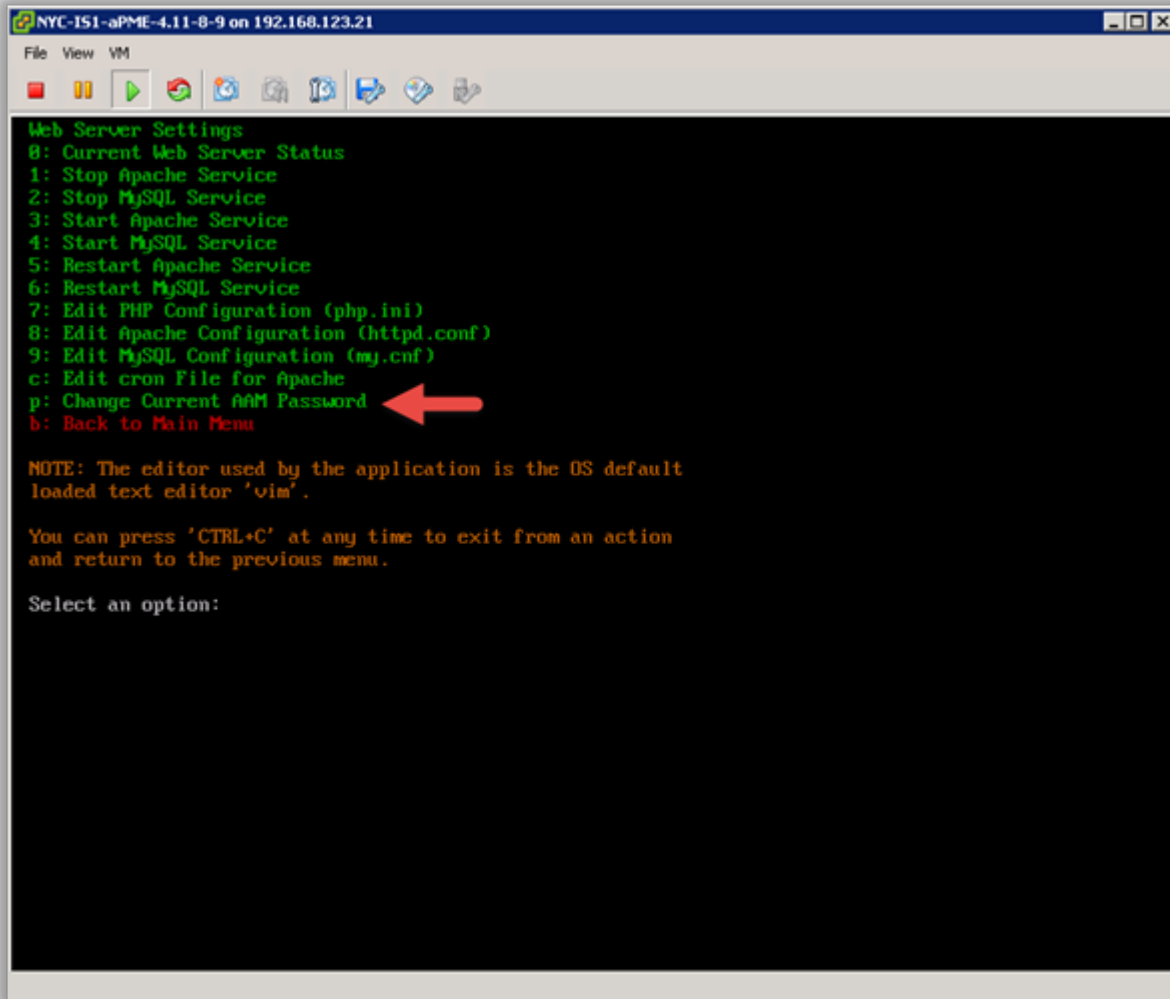
22. Select option 7 from the network configuration menu to configure the hostname. It is recommended the hostname is entered using the fully qualified domain name.

Example – servername.yourdomain.com





23. Optionally you may configure the server time by selecting option 2 from the configure network menu.
24. It is recommended you change the default Akkadian Appliance Manager password by selecting option 4 (Web Server Configuration Menu) from the main menu and then selecting “p” (Change Current AAM Password”).

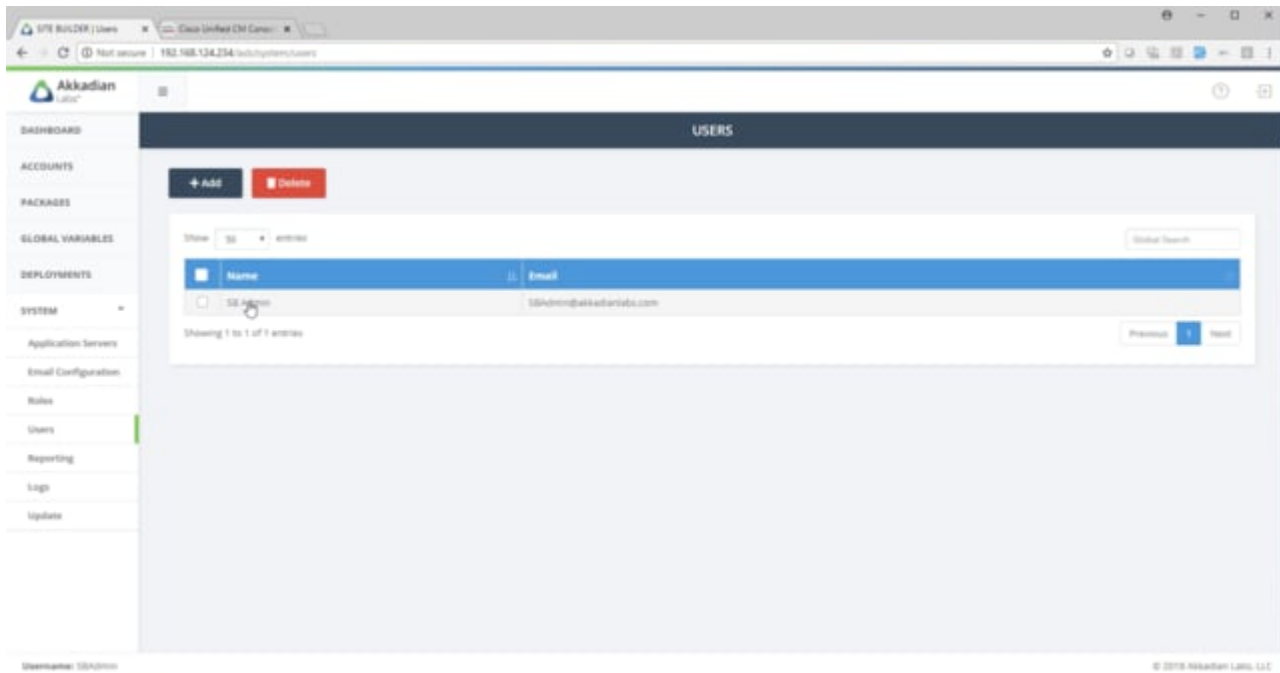


25. When all configurations are complete, select "s" from the network configuration menu to save the configuration and restart the network.
26. From the main menu, select Reboot Server to finalize the configuration.
27. When the system returns to the login prompt, the Akkadian Site Builder virtual appliance deployment is complete and can be accessed by going to <https://{Server IP or Name}/asb>.

## 3. Initial Configuration

After completing the installation, Akkadian Site Builder requires some basic configuration before you can begin provisioning. Written documentation during the beta will be limited and instead will be provided using videos.

**Please view the following video to learn how to get started with the Akkadian Site Builder Beta.**



## 3.1 Logging in for the First Time

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1. In a browser, navigate to `HTTPS://{Server IP or NAME}/asb`
2. Log in using the default credentials:

Username – SBAdmin

Password – SBAdmin123 (Case sensitive)



SITE BUILDER

Email or Username

Password

☐ Remember Me

Login

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## 3.1.1 Changing the Default Password

It is highly recommended that you change the default SBAdmin password and set a valid email address for password recovery.

1. Click on “System” to expand the menu. Then click on “Users:..





The screenshot shows the Akkadian Site Builder Admin interface. On the left sidebar, the 'SYSTEM' menu is expanded, and the 'Users' option is selected, indicated by a red arrow. The main content area is titled 'USERS' and contains a table with one user entry. A red arrow points to the 'SB Admin' user in the table. The table has columns for 'Name' and 'Email'. The 'SB Admin' user has the email 'SBAdmin@akkadianlabs.com'. Below the table, it says 'Showing 1 to 1 of 1 entries'. There are also buttons for '+ Add' and 'Delete' at the top of the table area.

	Name	Email
<input type="checkbox"/>	SB Admin	SBAdmin@akkadianlabs.com

1. Click on the SB Admin user to



Please ensure the SBAdmin email address is valid for a successful password recovery!



**USERS > Edit User**

**DASHBOARD**

**ACCOUNTS**


**PACKAGES**


**GLOBAL VARIABLES**


**DEPLOYMENTS**


**SYSTEM** ▾


- Application Servers
- Email Configuration
- Roles
- Users**
- Reporting
- Logs
- Update


**First Name**  

**Last Name**  

**Email**  

**Username**  

**Password**  

**Confirm Password**  

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## 4. System Configuration

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## 4.1 Application Servers

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Application Servers are the targets for Site Builder Package deployment. Akkadian Site Builder currently supports the following Cisco UC applications:

- Cisco Unified Communications Manager

This section will guide you through the process of configuring applications servers in Site Builder.



## **4.1.1 Cisco Unified Communication Manager**

Akkadian Site Builder integrates into a CUCM cluster using the AXL Web Service, which is typically running on the Publisher node.

This section will guide you through the process of preparing CUCM for integration and configuring CUCM as an Application Server in Site Builder.

## 4.1.1.1 Preparing CUCM

---

Two items are required on Cisco Unified Communications Manager to allow access via the AXL API:

1. The Cisco AXL Web Service must be activated and started
2. An Application user with with required privileges

The Cisco AXL Web Service is disabled by default on some versions of Cisco Unified Communications Manager. The service must be activated to enable AXL API access.

\*To activate the AXL Web Service: \*

1. Browse to the CUCM **Serviceability** page on <https://ccmservice>
2. **Tools > Service Activation**
3. Select the Publisher node
4. Scroll down to **Database and Admin Services**
5. Check the box for **Cisco AXL Web Service** and click Save

Database and Admin Services		
	Service Name	Activation Status
<input checked="" type="checkbox"/>	Cisco AXL Web Service	Activated

**To create CUCM Application User:**

1. From the Cisco Unified Communications Manager Administration Web page, select Application User from the User Management menu, and then click Add New.
2. In the User ID field, enter a name for the account.
3. In the Password and Confirm Password fields, type a password for the new user and then click Save.
4. Navigate down the page to Permissions Information.
5. Click Add to Access Control Group and then click Find.
6. Select the following Groups:
  - **Standard TabSync User**
  - Click **Add Selected**
  - Click **Save**

**Permissions Information**

Groups

Standard CCM Server Monitoring  
Standard EM Authentication Proxy Rights  
Standard TabSync User

▲

▼

Add to Access Control Group

Remove from Access Control Group

[View Details](#)

Roles

Standard AXL API Access  
Standard CCM Admin Users  
Standard CCMADMIN Read Only  
Standard EM Authentication Proxy Rights  
Standard SERVICEABILITY

▲

▼

[View Details](#)

## 4.1.1.2 CUCM Integration

To add a Cisco Unified Communications Manager Application Server:

1. Select **Application Servers** from the **System** menu
2. On the menu, click **Add**
3. Complete the required fields
4. Click **Save**
5. Repeat this process for additional integrations

The screenshot displays the Akkadian Labs Admin Guide interface. On the left is a sidebar menu with the following items: DASHBOARD, ACCOUNTS, PACKAGES, GLOBAL VARIABLES, DEPLOYMENTS, SYSTEM (expanded), Application Servers (highlighted), Email Configuration, Roles, Users, Reporting, Logs, and Update. The main content area is titled 'APPLICATION SERVERS > New Application Server'. It contains a form with the following fields: 'Application Server Name' (text input), 'CUCM Server' (text input with '0.0.0.0' and 'version: unverified' below it), 'Username' (text input), 'Password' (text input), and 'Confirm Password' (text input). Each field has a small 'x' icon in the top right corner. At the bottom of the form are two buttons: 'Cancel' and 'Save'.

## 4.2 Service Groups

Service Groups group application servers into a logical contain for provisioning. Once created, Service Groups cannot be modified or deleted as they are tied to the license.

To add a Service Group:

1. Select **Service Groups** from the **System** menu
2. On the menu, click **Add**
3. Enter the Service Group Name
4. Select the application server
5. Click **Save**
6. Repeat this process for additional Service Groups

The screenshot displays the Akkadian Labs Admin Guide interface. On the left is a sidebar menu with the following items: DASHBOARD, PACKAGES, GLOBAL VARIABLES, DEPLOYMENTS, SYSTEM (expanded), Application Servers, Service Groups (highlighted), Email Configuration, FTP Configuration, Roles, Users, Audit Trail, Logs, Transaction Configuration, and Update. The main content area is titled 'SERVICE GROUPS > New Service Group'. It contains a form with two fields: 'Service Group Name' with a text input and a clear button (X), and 'CUCM Server Name' with a dropdown menu showing 'Select Type of CUCM Server'. At the bottom of the form are two buttons: 'Cancel' and 'Save'.

## 4.3 Email Configuration

Email configuration is optional, but is required for several features, such as notifications and password recovery.

To configure email:

1. Select **Email Configuration** from the **System** menu
2. On the menu, click **Add**
3. Configure the required fields to connect to your email server
4. Click **Save**

The screenshot displays the Akkadian Labs Admin interface. On the left is a sidebar menu with the following items: DASHBOARD, PACKAGES, GLOBAL VARIABLES, DEPLOYMENTS, SYSTEM (expanded), Application Servers, Service Groups, Email Configuration (highlighted), FTP Configuration, Roles, Users, Audit Trail, Logs, Transaction Configuration, and Update. The main content area is titled "EMAIL CONFIGURATION" and contains a form with the following fields:

- Host\*:  ✕
- Port\*:  ✕
- Username:  ✕
- Password:  ✕
- Encryption:  ✕
- From Name:  ✕
- From Address:  ✕

At the bottom of the form is a dark blue "Save" button with a white disk icon.

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## 4.4 FTP Configuration

FTP configuration is optional, but is required for several features, such automatic back and log archiving.

To configure FTP:

1. Select **FTP Configuration** from the **System** menu
2. On the menu, click **Add**
3. Configure the required fields to connect to your ftp server
4. Click **Save**
5. Repeat the process to add additional FTP locations

The screenshot displays the Akkadian Labs Admin Guide interface. On the left is a sidebar menu with the following items: DASHBOARD, PACKAGES, GLOBAL VARIABLES, DEPLOYMENTS, SYSTEM (expanded), Application Servers, Service Groups, Email Configuration, FTP Configuration (highlighted), Roles, Users, Audit Trail, Logs, Transaction Configuration, Update, Backup & Restore, and Branding. The main content area is titled "FTP CONFIGURATIONS > New FTP Configuration". It contains a form with the following fields: Name\* (text input), Protocol (dropdown menu set to FTP), SSL (dropdown menu set to Yes), Passive (dropdown menu set to Yes), Hostname\* (text input), Port\* (text input set to 21), Username\* (text input), Password\* (text input), Default Path (text input), and Timeout\* (text input set to 10). At the bottom of the form are "Cancel" and "Save" buttons.

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## 4.5 Roles

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Roles are used to provide users access to features by using routes. Each role can contain multiple routes.

The system contains four default roles:


Role	Description
Admin	Access to System routes only
Creator	Access to Packages and Global Variables
Deployer	Access to Deployments only
Full Access	Access to all routes

The default roles can be modified or deleted or additional roles may be created.

To add additional roles:

1. Select **Roles** from the **System** menu
2. On the menu, click **Add**
3. Configure the role name
4. Optionally provide a description for the role
5. Add one or more routes to the role
6. Click **Save**
7. Repeat the process to add additional roles






DASHBOARD

PACKAGES

GLOBAL VARIABLES

DEPLOYMENTS

SYSTEM 

Application Servers

Service Groups

Email Configuration

FTP Configuration

**Roles**


Users

Audit Trail

Logs

ROLES

+ Add

 Delete

Show 

50

 entries

Global Search

<input type="checkbox"/>	Name	Description
<input type="checkbox"/>	Admin	Access to System routes only
<input type="checkbox"/>	Creator	Access to Packages and Global Variables
<input type="checkbox"/>	Deployer	Access to Deployments only
<input type="checkbox"/>	Full Access	Access to all routes

Showing 1 to 4 of 4 entries

Previous

1

Next

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## 4.6 Users

Site builder supports adding one or more users depending on the license. Users can be assigned one or more roles.

The system has one built-in user SBAdmin.

To add additional users:

1. Select **Users** from the **System** menu
2. On the menu, click **Add**
3. Configure the required fields
4. Click **Save**
5. Repeat the process to add additional users

The screenshot displays the Akkadian Labs Admin interface. On the left is a sidebar menu with the following items: DASHBOARD, PACKAGES, GLOBAL VARIABLES, DEPLOYMENTS, SYSTEM (expanded), Application Servers, Service Groups, Email Configuration, FTP Configuration, Roles, Users (highlighted), Audit Trail, and Logs. The main content area is titled 'USERS > New User'. It contains a form with the following fields: First Name, Last Name, Email, Username, Password, Confirm Password, and Roles. Each field has a text input box and a small 'x' icon to the right. At the bottom of the form are two buttons: 'Cancel' and 'Save'.

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## 4.7 Audit Trail

The Audit Trail provides a list of all the user transactions that have been executed in Site Builder.

To view the Audit Trail:

1. Select **Audit Trail** from the **System** menu
2. User **Global Search** to locate a transaction


Global Search

Category	Action	Username	Status	Created	Updated
App Config	Update `manual`	SBAAdmin	Success	2018-11-10 00:45:17	2018-11-10 00:45:17
App Config	Update `automatic`	SBAAdmin	Success	2018-11-10 00:45:14	2018-11-10 00:45:14
App Config	Update `tbamert@akkadianlabs.com`	SBAAdmin	Success	2018-11-09 20:02:46	2018-11-09 20:02:47
Application Server	Add `CUCM 11`	SBAAdmin	Success	2018-11-09 19:45:49	2018-11-09 19:45:50
Role	Delete `Full Access`	SBAAdmin	Success	2018-11-09 19:25:05	2018-11-09 19:25:05
Deployment	Update `Site106`	Scheduled Job	Success	2018-11-09 17:10:15	2018-11-09 17:10:32
Deployment	Update `Site106`	SBAAdmin	Success	2018-11-09 17:10:13	2018-11-09 17:10:13
Deployment	Update `Site106`	SBAAdmin	Success	2018-11-09 17:10:10	2018-11-09 17:10:10
Deployment	Update `Site106`	SBAAdmin	Success	2018-11-09 17:10:10	2018-11-09 17:10:10
Deployment	Add `Site106`	SBAAdmin	Success	2018-11-09 17:10:10	2018-11-09 17:10:10

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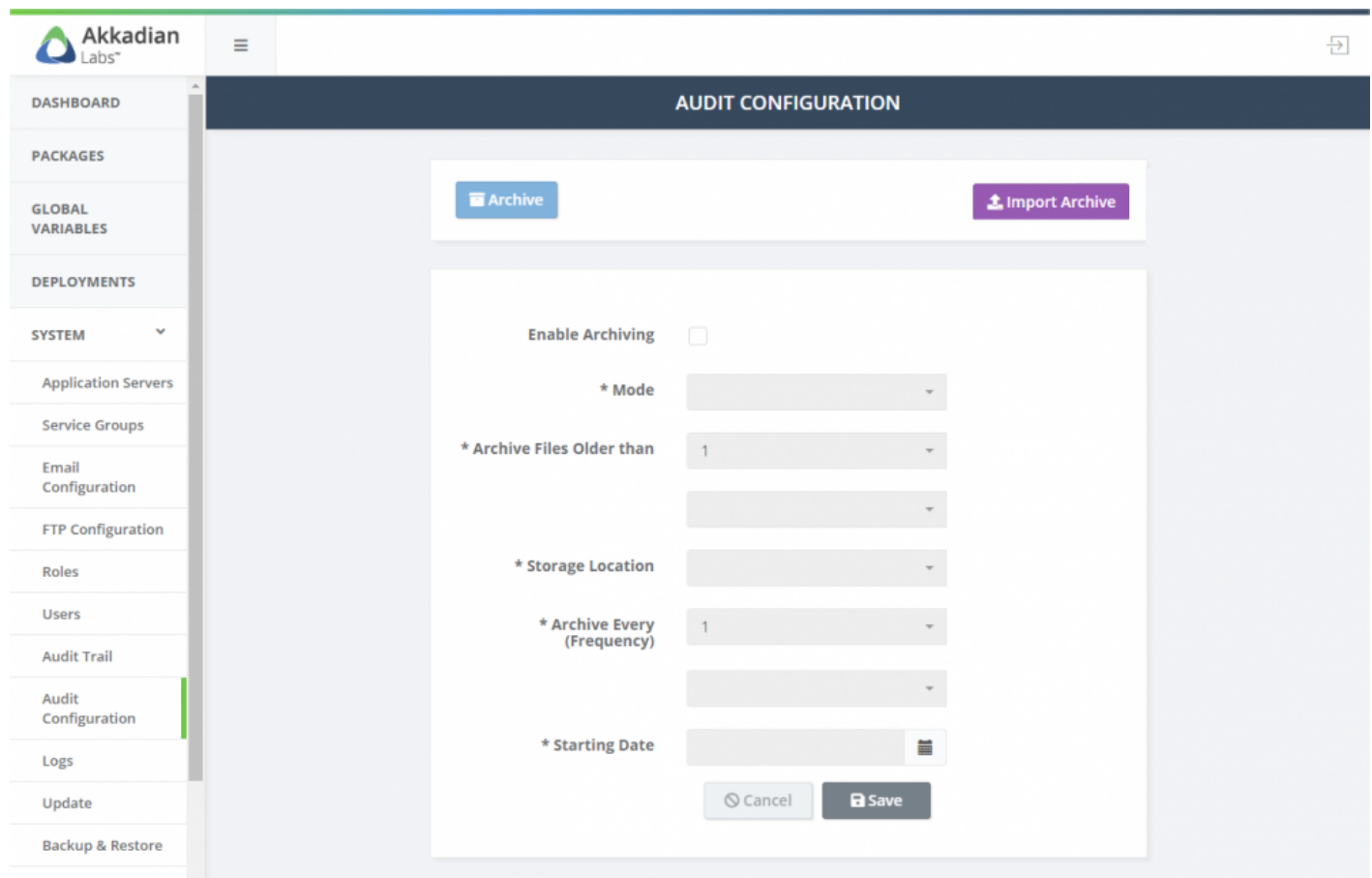
## 4.8 Audit Configuration

The Audit Configuration is used to enable archiving of audit logs. It is recommended that you enable audit archiving to reduce disk space consumption.

 Archiving cannot be enabled until an FTP server has been configured.

To enable Audit Archiving:

1. Select **Audit Configuration** from the **System** menu
2. Click the enable
3. Configure the required fields
4. Click **Save**



The screenshot shows the Akkadian Labs Admin interface. On the left, a sidebar menu lists various system components, with 'Audit Configuration' selected under the 'SYSTEM' category. The main panel is titled 'AUDIT CONFIGURATION' and features a form for configuring audit archiving. At the top of the form are two buttons: 'Archive' (blue) and 'Import Archive' (purple). The form includes the following fields:

- Enable Archiving**: A checkbox that is currently unchecked.
- \* Mode**: A dropdown menu.
- \* Archive Files Older than**: A dropdown menu with the value '1' selected.
- \* Storage Location**: A dropdown menu.
- \* Archive Every (Frequency)**: A dropdown menu with the value '1' selected.
- \* Starting Date**: A date input field with a calendar icon.

At the bottom of the form are two buttons: 'Cancel' (light gray) and 'Save' (dark gray).

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## 4.9 Logs

Logs contained detailed information regarding all transactions in Site Builder and are critical for troubleshooting.

The Audit Trail provides a list of all the user transactions that have been executed in Site Builder.

To view logs:

1. Select **Logs** from the **System** menu
2. User Global search to locate a specific log transaction
3. Click **Download All Logs** to collect all logs from the system
4. Click **Download Current Logs** to collect the logs from the last day

The screenshot displays the Akkadian Site Builder Admin interface. On the left is a sidebar menu with the Akkadian Labs logo at the top. The menu items are: DASHBOARD, PACKAGES, GLOBAL VARIABLES, DEPLOYMENTS, SYSTEM (expanded), Application Servers, Service Groups, Email Configuration, FTP Configuration, Roles, Users, Audit Trail, Audit Configuration, Logs (highlighted with a green bar), Update, and Backup & Restore. The main content area is titled "LOGS - 2018-11-12". It features two buttons: "Download All Logs" and "Download Current Logs". Below these is a section for displaying log entries. It includes a "Show 50 entries" dropdown and a "Global Search" input field. A table with the following columns is shown: Level, Context, Date, and Content. The table contains one entry with Level "info", Context "production", Date "2018-11-12 18:14:28", and Content "Requesting Process Node for https://192.168.110.145:8443/axl/". Below the table, it says "Showing 1 to 1 of 1 entries". At the bottom right of the table area are "Previous", "1", and "Next" navigation buttons.

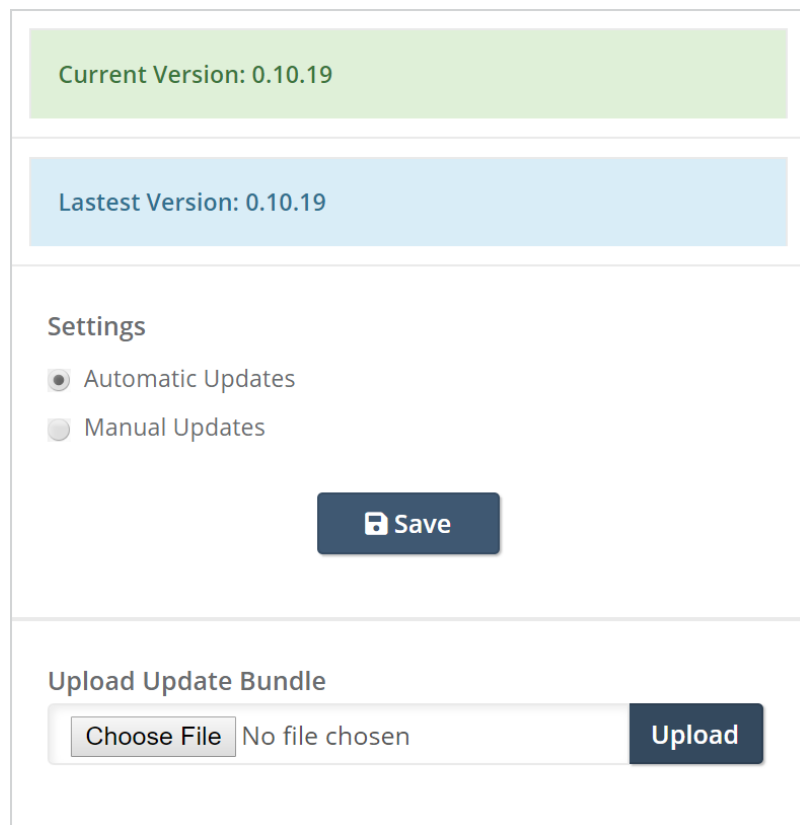
Level	Context	Date	Content
info	production	2018-11-12 18:14:28	Requesting Process Node for https://192.168.110.145:8443/axl/

## 4.10 Update

Site Builder updates can be applied manually or automatically. By default, the system is configured for manual updates, which will download the update, but it will not be automatically applied. Automatic updates will download and automatically apply the update. In order to download the update, both the manual and automatic methods require the system to have Internet access, but updates can also be downloaded and applied manually.

### To configure the system for automatic updates:

1. Log into Site Builder with Admin privileges
2. Select **Update** from the **System** menu
3. Select the **Automatic Updates** option and click **Save**

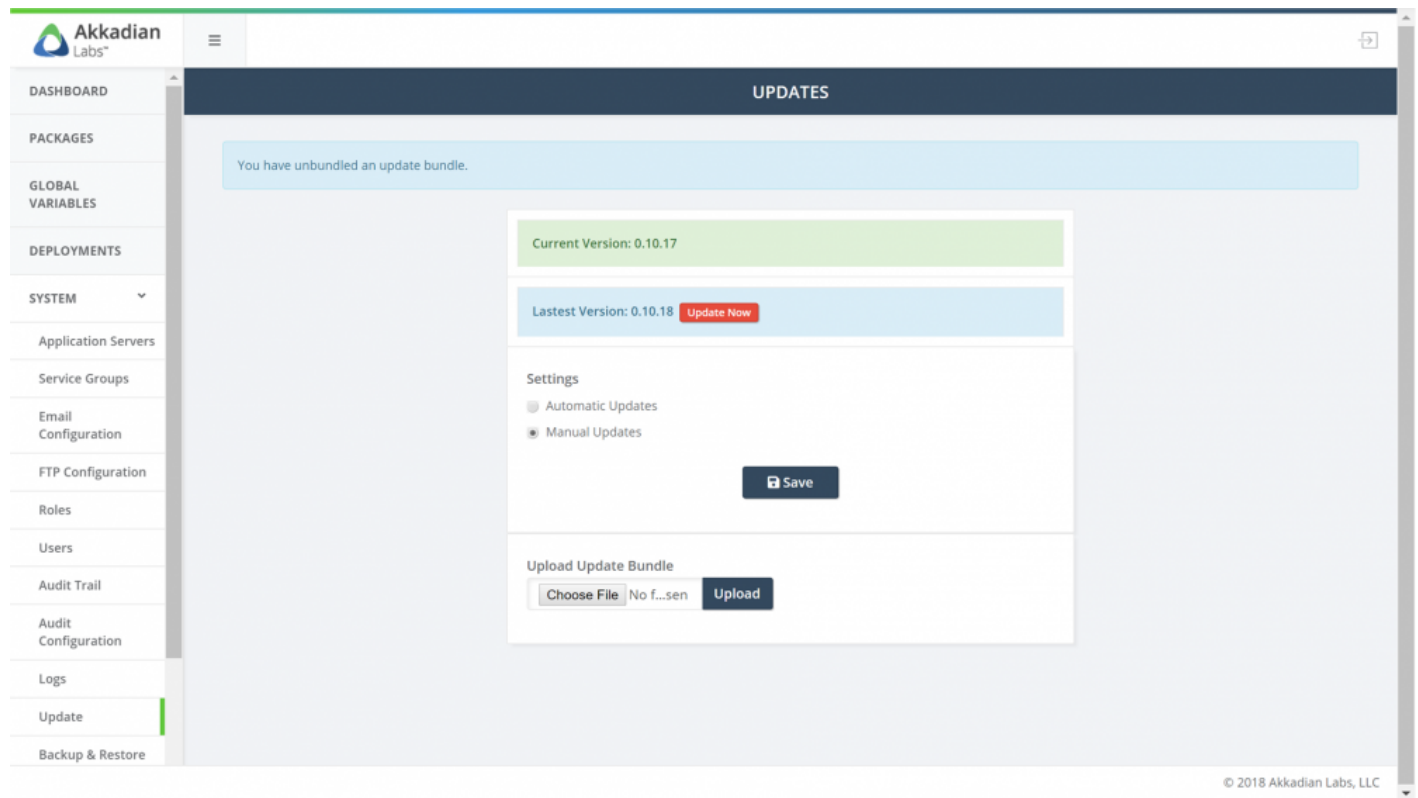


The screenshot shows the 'Update' configuration page in Site Builder. It features three main sections: a green box at the top showing 'Current Version: 0.10.19', a blue box below it showing 'Lastest Version: 0.10.19', and a 'Settings' section with two radio buttons: 'Automatic Updates' (selected) and 'Manual Updates'. A dark blue 'Save' button is positioned below the settings. At the bottom, there is an 'Upload Update Bundle' section with a file upload area showing 'Choose File' and 'No file chosen', and an 'Upload' button.

### To manually apply an update:

1. If necessary, download the update
2. Log into Site Builder with Admin privileges

3. Select **Update** from the **System** menu
4. In the **Upload Update Bundle** section, click **Choose File**
5. Select the update bundle
6. Click **Upload** to transfer the file to the sever
7. Once the file has uploaded, click **Update Now**



## 4.11 Backup & Restore

---

The Backup and Restore section provides the ability to:

- Perform manual backups
- Schedule backups
- Restore backups
- Manage scheduled backups

### To perform a manual backup:

1. Select **Backup & Restore** from the **System** menu
2. Click the **Backup & Download** button

 The system will be backed up and the file saved to your local computer

### To schedule a backup:

 Please note an FTP location must be configured before configuring a scheduled backup

1. Select **Backup & Restore** from the **System** menu
2. Click the **Schedule New Backup** button
3. Complete the required fields
4. Click **Save**
5. Repeat the process to add additional scheduled backups



**BACKUP & RESTORE** > New Scheduled Backup

Name\*

Start Date\*

Time\*

Frequency

Location

Status

### Managing scheduled backups:

✿ Please note the **Scheduled Backups Actions** button will remain disabled until you select an existing backup schedule.

1. Select **Backup & Restore** from the **System** menu
2. Select an existing backup schedule **Schedule New Backup** button

✿ Select multiple backup schedules to update more than one schedule.

1. Click the **Scheduled Backups Actions**
2. Choose an action (Run Now, Enable, Disable or Delete)

**BACKUP & RESTORE**

Show  entries

<input type="checkbox"/>	Scheduled Backup Name	Location	Frequency	Status
<input checked="" type="checkbox"/>	Daily	share	daily	Enabled

Showing 1 to 1 of 1 entries 1 row selected

Previous  Next

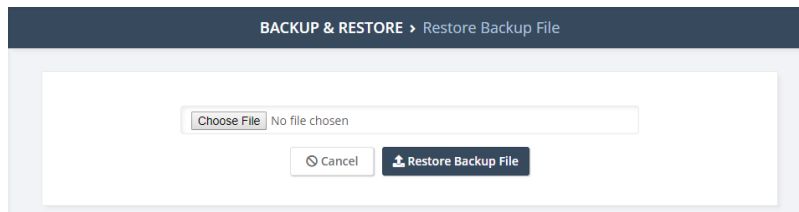
**Scheduled Backup Actions**

- 
- 
- 
- 

### To restore from backup:

1. Select **Backup & Restore** from the **System** menu
2. Click the **Restore** button

3. Click **Choose File** and select the appropriate backup file
4. Click **\*Restore Backup File \***



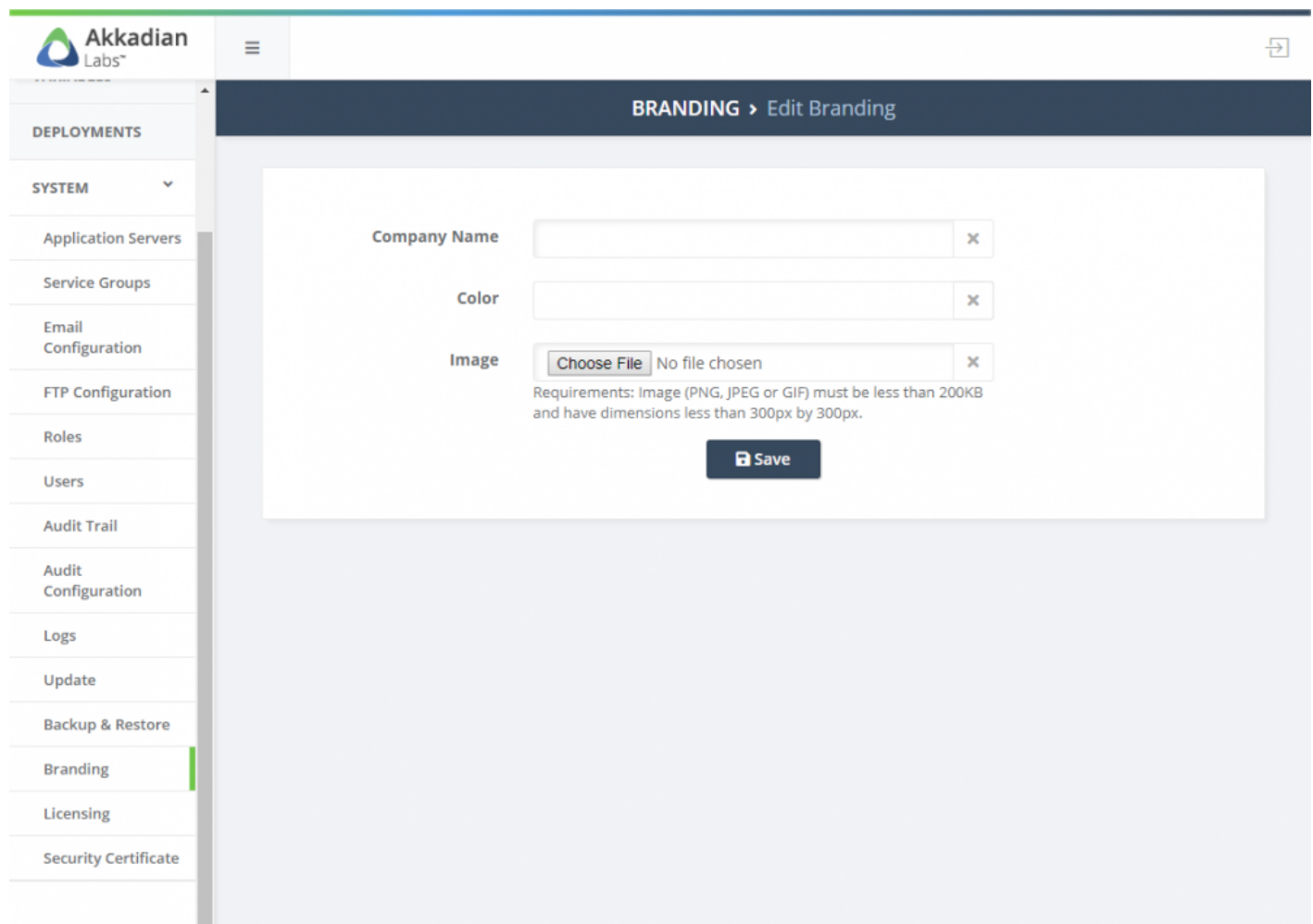
The screenshot shows a dark blue header bar with the text "BACKUP & RESTORE > Restore Backup File". Below the header is a light gray box containing a file selection interface. It features a "Choose File" button, a text input field with the placeholder "No file chosen", a "Cancel" button, and a "Restore Backup File" button with a download icon.

## 4.12 Branding

Branding can be used to update Site Builder with your company name, logo and colors.

To enable branding:

1. Select **Branding** from the **System** menu
2. Configure the required fields
3. Click **Save**



The screenshot displays the Akkadian Labs Admin interface. On the left is a sidebar menu with the following items: DEPLOYMENTS, SYSTEM (expanded), Application Servers, Service Groups, Email Configuration, FTP Configuration, Roles, Users, Audit Trail, Audit Configuration, Logs, Update, Backup & Restore, Branding (highlighted with a green bar), Licensing, and Security Certificate. The main content area is titled 'BRANDING > Edit Branding'. It contains three configuration fields: 'Company Name' with a text input and a close button (X); 'Color' with a color picker and a close button (X); and 'Image' with a 'Choose File' button, the text 'No file chosen', and a close button (X). Below the image field, a note states: 'Requirements: Image (PNG, JPEG or GIF) must be less than 200KB and have dimensions less than 300px by 300px.' At the bottom center of the form is a dark blue 'Save' button with a white floppy disk icon.

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## 4.13 Security Certificates

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Site Builder is deployed with a self-signed SSL certificate, but optionally can be configured with a certificate from a private or public certificate authority.

Site Builder supports SSL certificates generated using its own private key or using an external private key.

### Method 1 – Use Site Builder’s private key

1. Select **Security Certificate** from the **System** menu
2. Select the **Generate Certificate Signing Request** tab
3. Complete the Certificate Signing Request form



The common name must match the fully qualified domain name of the server.

1. When complete, click **Generate CSR**
2. Download the CSR file
3. On your Certificate Authority, generate a certificate using the CSR

**Akkadian Labs**

**SECURITY CERTIFICATE**

**Upload SSL Certificate**

**Generate Certificate Signing Request**

Common Name\*

Country

State

City

Organization

Organization Unit

Email

☐ Subject Alternative Names

**WARNING:** CREATING A CSR WILL GENERATE A NEW PRIVATE KEY AND A NEW SELF-SIGNED SSL CERTIFICATE. THE CSR IS GENERATED USING THE NEW PRIVATE KEY.

**Generate CSR**

1. Select the **Upload SLL Certificate** tab
2. Click **Choose File** to the right of **SSL Certificate** and upload the certificate generate by your certificate authority

✿ Uploading a Private Key is not necessary as the certificate was generated using Provisioning Manager's private key

3. If the certificate was generated using a Public Certificate Authority, click **Upload Certificate** to complete the process
4. If the certificate was generated using an Internal Certificate Authority, select the **Use Internal Certificate Authority (CA)** check box
5. Upload the Root Certificate from your Internal CA

6. Click **Upload Certificate** to complete the process

✿ Site Builder must be restarted for the changes to take affect. This can be done using the Appliance Manager CLI or using VMWare tools.

## Method 2 – Use an external private key

1. Select **Security Certificate** from the **System** menu
2. Select the **Generate Certificate Signing Request** tab
3. Complete the Certificate Signing Request form

! The common name must match the fully qualified domain name of the server.

1. When complete, click **Generate CSR**
2. Download the CSR file
3. On your Certificate Authority, generate a certificate using the downloaded CSR
4. Select the **Upload SSL Certificate** tab
5. Click **Choose File** to the right of **SSL Certificate** and upload the certificate generate by your certificate authority
6. Click **Choose File** to the right of **Private Key** and upload the private key from your certificate authority
7. If the certificate was generated using a Public Certificate Authority, click **Upload Certificate** to complete the process
8. If the certificate was generated using an Internal Certificate Authority, select the **Use Internal Certificate Authority (CA)** check box
9. Upload the Root Certificate from your Internal CA
10. Click **Upload Certificate** to complete the process

## SECURITY CERTIFICATE

Upload SSL Certificate

Generate Certificate Signing Request

SSL Certificate\*

Choose File No file chosen

Private Key

Choose File No file chosen

☐ Use Internal Certification Authority (CA)

Upload

VIEW CERTIFICATE

*NOTE: After making changes to the security certificate you will need to restart the server for the changes to take effect.*

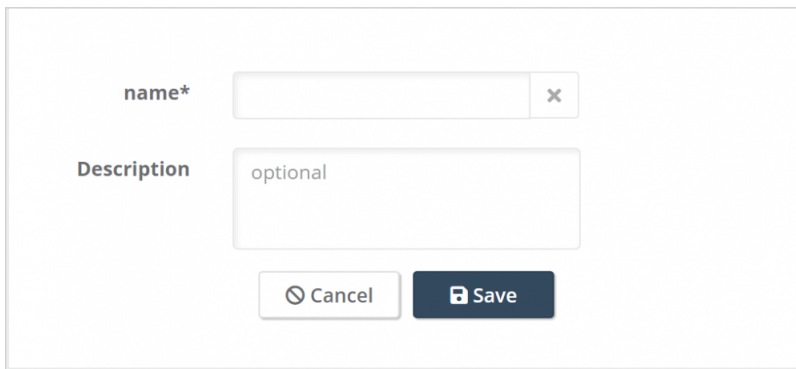
## 5. Global Variables

---

Global Variables are used to provide placeholders in template and packages. At the time of deployment, the user will be prompted to input data for each Global Variable in the package.

### To add Global Variables:

1. Select **Global Variables** from the left navigation menu
2. On the menu, click **Add**
3. Enter a global variable **Name**
4. Optionally enter a global variable **Description**
5. Click **Save**



The form is a light gray rectangular box containing two input fields and two buttons. The first field is labeled 'name\*' and contains a small 'x' icon in its top right corner. The second field is labeled 'Description' and contains the placeholder text 'optional'. Below the fields are two buttons: a light gray 'Cancel' button with a circular arrow icon and a dark blue 'Save' button with a floppy disk icon.

name*	<input type="text"/>
Description	<input type="text" value="optional"/>
<div><button>Cancel</button><button>Save</button></div>	



## 6. Packages

Packages are grouping of one more more provisioning templates. Packages can be used to deploy single item or an entire site or dial plan withing Communications Manager.

Before you begin configuring packages, it is best to spend some time planning. There are a few things you should think about before you begin the configuration process:

1. Does the package require Global Variables? If so, config the GVs first.
2. The template order matters! Creating the package in the right order makes things much easier. Site Builder does try an handle much of the logic, but creating dependencies first makes things much easier.

This section will describe the process of adding, editing and deleting packages.

The screenshot displays the Akkadian Site Builder Admin interface. On the left is a sidebar with navigation links: DASHBOARD, PACKAGES (highlighted), GLOBAL VARIABLES, DEPLOYMENTS, and SYSTEM. The main content area is titled 'PACKAGES - DEFAULT SITE'. At the top of this area are buttons for 'Back To List', 'Edit Package Name', 'Delete Package', and 'Export'. Below these is a 'Search Templates' input field. A list of templates is shown on the left, including AAR Group, Advertised Patterns, App Server Info, App User, Application Dial Rules, Application Server, Application User Capf Profile, Audio Codec Preference List, Billing Server, Blocked Learned Patterns, CCA Profiles, Call Manager Group, Call Park, Call Pickup Group, and Called Party Tracing. The right side of the interface shows the configuration for the 'Default Site', with sections for Route Partition, CSS, Location, Region, AAR Group, Srst, and Conference Bridge, each containing a 'Site' field with a '+' icon for adding or editing.

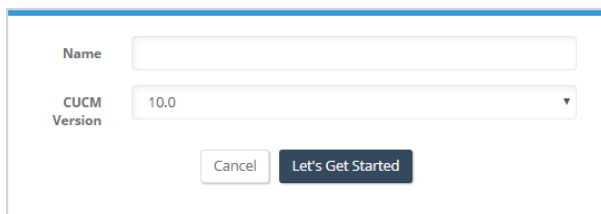
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## 6.1 Adding Packages

Packages are required for deployment in Site Builder. Packages can be used in single or bulk deployments.

### To add a Package:

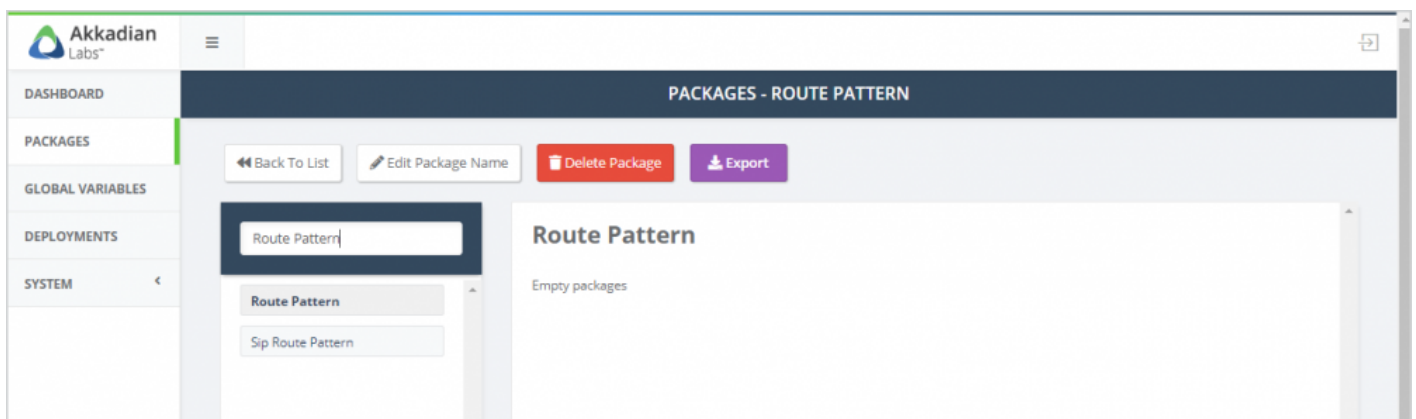
1. Select **Package** from the left navigation menu
2. On the menu, click **+New**
3. Enter the Package Name and CUCM Version



A form with two input fields. The first field is labeled 'Name' and is empty. The second field is labeled 'CUCM Version' and has '10.0' selected in a dropdown menu. Below the fields are two buttons: 'Cancel' and 'Let's Get Started'.

\* Note that packages are not backwards compatible with older version of CUCM, but can be deployed up to 3 major version forward. For example, if a package is created for CUCM 10.x, it will be deploy-able on CUCM 10-12, but a version 11.5 package cannot be deployed on CUCM 10.x

4. Select the first Template from the list to add it to the Package



The screenshot shows the Akkadian Labs interface. On the left is a navigation menu with 'PACKAGES' highlighted. The main area is titled 'PACKAGES - ROUTE PATTERN'. It contains buttons for 'Back To List', 'Edit Package Name', 'Delete Package', and 'Export'. Below these is a search bar with 'Route Pattern' entered. A list of templates is shown, with 'Route Pattern' selected. The right side of the interface shows the details of the selected template, which is currently empty.

5. Configure the selected Template

- \* Input fields on templates can be populated with Global Variables or static text. In the example below, we will be prompted for Pattern, Description & Partition at deployment, but Digit Discard Instruction Name is statically configured to PreDot. Any data inputted must match exactly to the data in CUCM.

The screenshot displays the 'Route Pattern' configuration form within the Akkadian Site Builder Admin Guide. The interface includes a sidebar with navigation options: DASHBOARD, PACKAGES, GLOBAL VARIABLES, DEPLOYMENTS, and SYSTEM. The main content area is titled 'PACKAGES - ROUTE PATTERN' and features a search bar for templates. The form itself is titled 'Route Pattern' and contains several input fields and checkboxes. Two red arrows point to the 'Pattern\*' and 'Digit Discard Instruction Name\*' fields, which are pre-filled with '{{Pattern}}' and 'PreDot' respectively. The 'Pattern\*' field also has a clear button (X). The 'Digit Discard Instruction Name\*' field is a text input. Other fields include 'Template Label' (Route Pattern), 'Description' ({{Description}}), 'Route Partition\*' ({{Partition}}), 'Block Enable\*' (checkbox), 'Called Party Transformation Mask', 'Calling Party Transformation Mask', 'Use Calling Party Phone Mask\*' (Default), 'Calling Party Prefix Digits', 'Dial Plan Name\*' (Default), and 'Network Location\*' (OnNet).

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6. Click **Add Template** to add the Template to the package
7. Repeat this process to add additional Templates

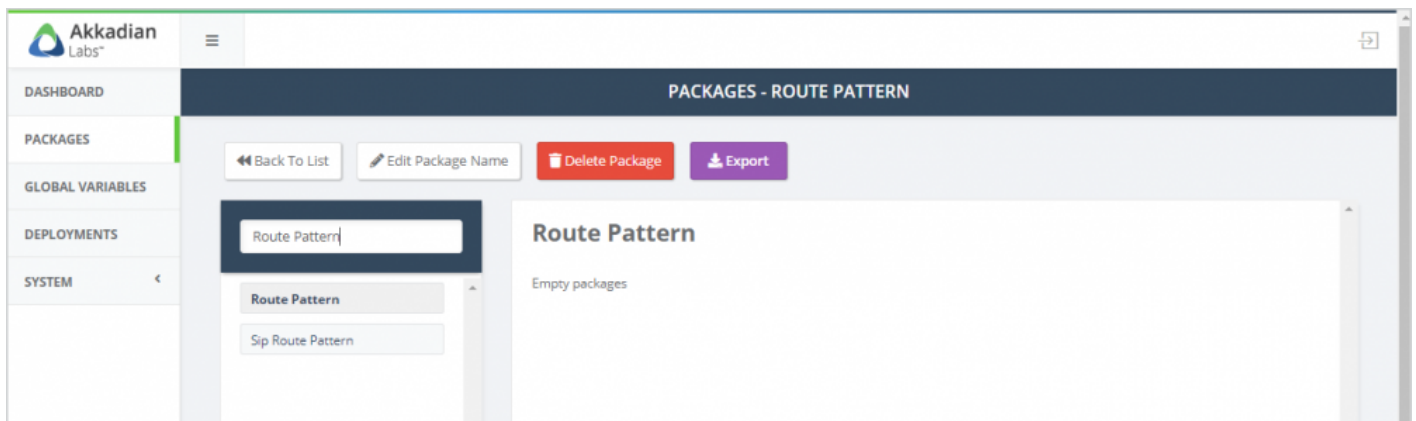
## 6.2 Editing Packages

### To edit a Package:

1. Select **Package** from the left navigation menu
2. In the list, click on the package name
3. When the package opens, you can:
  - Add additional templates to package
  - Edit existing templates in package
  - Delete existing templates from package

### To add a template to an existing package:

1. Select the first Template from the list to add it to the Package



2. Configure the selected Template

✿ Input fields on templates can be populated with Global Variables or static text. In the example below, we will be prompted for Pattern, Description & Partition at deployment, but Digit Discard Instruction Name is statically configured to PreDot. Any data inputted must match exactly to the data in CUCM.

**Route Pattern**

Template Label: Route Pattern

Pattern\*: {{Pattern}}

Description: {{Description}}

Route Partition\*: {{Partition}}

Block Enable\*: ☐

Called Party Transformation Mask:

Calling Party Transformation Mask:

Use Calling Party Phone Mask\*: Default

Calling Party Prefix Digits:

Dial Plan Name\*: Default

Digit Discard Instruction Name\*: PreDot

Network Location\*: OnNet

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3. Click **Add Template** to add the Template to the package
4. Repeat this process to add additional Templates

### To edit a template in an existing package:

1. In the package click on the template name

**Route Pattern**

Route Pattern: Route Pattern

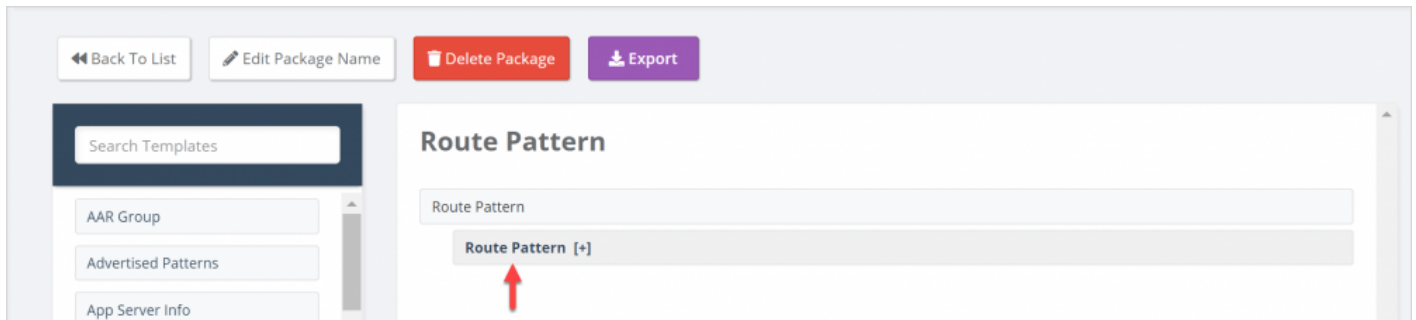
Route Pattern [+]: Route Pattern [+]

2. Update the desired fields

3. Scroll to the bottom of the template and click **Save Template**
4. Repeat this process of additional templates

**To delete a template from an existing package:**

1. In the package click on the template name



2. Scroll to the bottom of the template and click **Delete Template**
3. Repeat this process of additional templates

## 6.3 Deleting Packages

To edit a package:

1. Select **Package** from the left navigation menu
2. In the list, select the package
3. Click the **Delete** button

The screenshot displays the Akkadian Site Builder Admin interface. On the left, the navigation menu includes Dashboard, Packages, Global Variables, Deployments, and System. The 'PACKAGES' section is active. The main content area shows a table of packages with columns: Name, Version, Created, and Updated. The package 'Route Pattern 2018-11-15 15:53:36' is selected. A red arrow points to the 'Delete' button above the table.

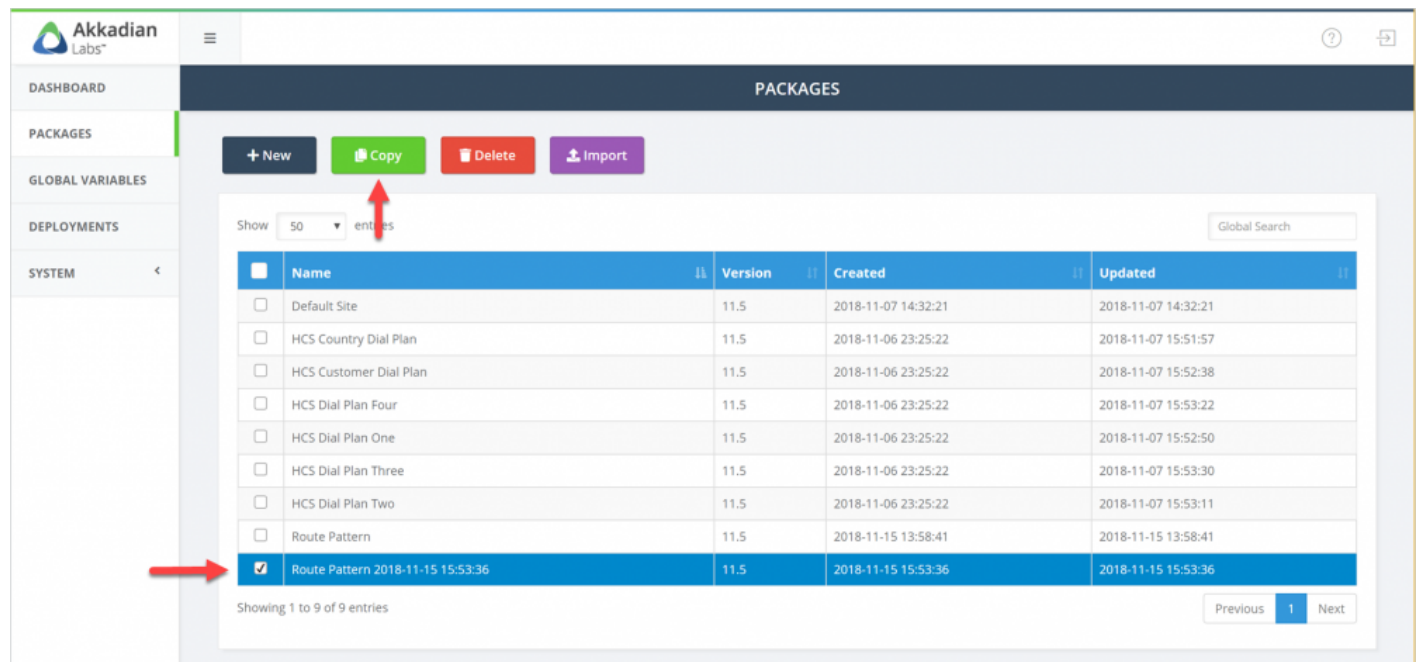
	Name	Version	Created	Updated
<input type="checkbox"/>	Default Site	11.5	2018-11-07 14:32:21	2018-11-07 14:32:21
<input type="checkbox"/>	HCS Country Dial Plan	11.5	2018-11-06 23:25:22	2018-11-07 15:51:57
<input type="checkbox"/>	HCS Customer Dial Plan	11.5	2018-11-06 23:25:22	2018-11-07 15:52:38
<input type="checkbox"/>	HCS Dial Plan Four	11.5	2018-11-06 23:25:22	2018-11-07 15:53:22
<input type="checkbox"/>	HCS Dial Plan One	11.5	2018-11-06 23:25:22	2018-11-07 15:52:50
<input type="checkbox"/>	HCS Dial Plan Three	11.5	2018-11-06 23:25:22	2018-11-07 15:53:30
<input type="checkbox"/>	HCS Dial Plan Two	11.5	2018-11-06 23:25:22	2018-11-07 15:53:11
<input type="checkbox"/>	Route Pattern	11.5	2018-11-15 13:58:41	2018-11-15 13:58:41
<input checked="" type="checkbox"/>	Route Pattern 2018-11-15 15:53:36	11.5	2018-11-15 15:53:36	2018-11-15 15:53:36

Showing 1 to 9 of 9 entries

## 6.4 Copying Packages

To copy a package:

1. Select **Package** from the left navigation menu
2. In the list, select the package
3. Click the **Copy** button



The screenshot displays the Akkadian Site Builder Admin interface. The left navigation menu includes Dashboard, PACKAGES, GLOBAL VARIABLES, DEPLOYMENTS, and SYSTEM. The main content area is titled 'PACKAGES' and features a toolbar with '+ New', 'Copy', 'Delete', and 'Import' buttons. Below the toolbar, there is a table of packages. The table has columns for Name, Version, Created, and Updated. The package 'Route Pattern 2018-11-15 15:53:36' is selected, indicated by a red arrow pointing to the 'Copy' button and another red arrow pointing to the selected row in the table.

	Name	Version	Created	Updated
<input type="checkbox"/>	Default Site	11.5	2018-11-07 14:32:21	2018-11-07 14:32:21
<input type="checkbox"/>	HCS Country Dial Plan	11.5	2018-11-06 23:25:22	2018-11-07 15:51:57
<input type="checkbox"/>	HCS Customer Dial Plan	11.5	2018-11-06 23:25:22	2018-11-07 15:52:38
<input type="checkbox"/>	HCS Dial Plan Four	11.5	2018-11-06 23:25:22	2018-11-07 15:53:22
<input type="checkbox"/>	HCS Dial Plan One	11.5	2018-11-06 23:25:22	2018-11-07 15:52:50
<input type="checkbox"/>	HCS Dial Plan Three	11.5	2018-11-06 23:25:22	2018-11-07 15:53:30
<input type="checkbox"/>	HCS Dial Plan Two	11.5	2018-11-06 23:25:22	2018-11-07 15:53:11
<input type="checkbox"/>	Route Pattern	11.5	2018-11-15 13:58:41	2018-11-15 13:58:41
<input checked="" type="checkbox"/>	Route Pattern 2018-11-15 15:53:36	11.5	2018-11-15 15:53:36	2018-11-15 15:53:36

Showing 1 to 9 of 9 entries

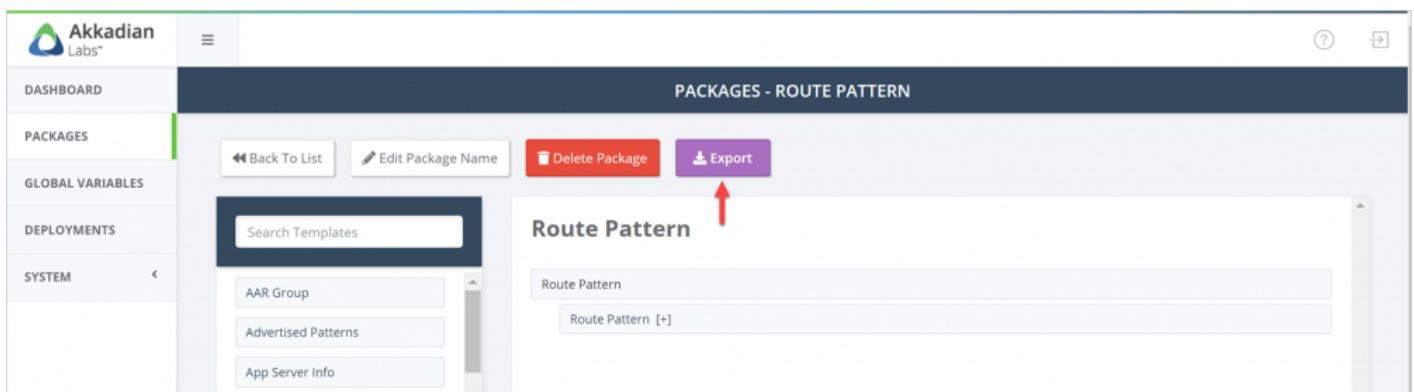


## 6.5 Exporting Packages

Packages can be exported and imported into other Site Builder systems.

### To export a package:

1. Select **Package** from the left navigation menu
2. In the list, click on the package name
3. Click the **Export** button



## 7. Deployments

Deployments are used to deploy packages. Before running a deployment the following must be configured:

- Application Server
- Service Group
- Package



Deployments can be used to deploy a package once or in bulk.

DEPLOYMENTS

+ Add Refresh Import

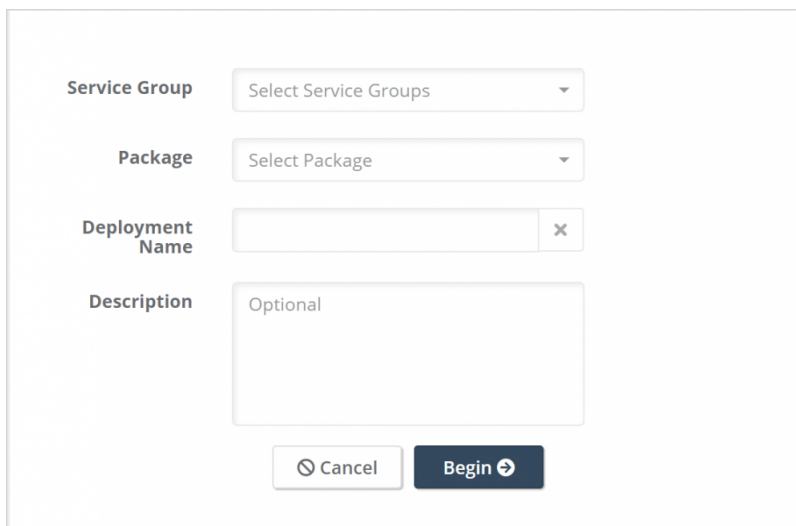
Show 50 entries Global Search

	Name	Status	Description	Created	Updated
<input type="checkbox"/>	Bulk Route Pattern 1 [Bulk]-10	Deployed	Bulk Route Pattern 1	2018-11-15 15:34:47	2018-11-15 20:34:51
<input type="checkbox"/>	Bulk Route Pattern 1 [Bulk]-9	Deployed	Bulk Route Pattern 1	2018-11-15 15:34:46	2018-11-15 20:34:54
<input type="checkbox"/>	Bulk Route Pattern 1 [Bulk]-8	Deployed	Bulk Route Pattern 1	2018-11-15 15:34:45	2018-11-15 20:34:56
<input type="checkbox"/>	Bulk Route Pattern 1 [Bulk]-7	Deployed	Bulk Route Pattern 1	2018-11-15 15:34:44	2018-11-15 20:34:59
<input type="checkbox"/>	Bulk Route Pattern 1 [Bulk]-6	Deployed	Bulk Route Pattern 1	2018-11-15 15:34:43	2018-11-15 20:34:53
<input type="checkbox"/>	Bulk Route Pattern 1 [Bulk]-5	Deployed	Bulk Route Pattern 1	2018-11-15 15:34:42	2018-11-15 20:35:02

## 7.1 Running Deployments

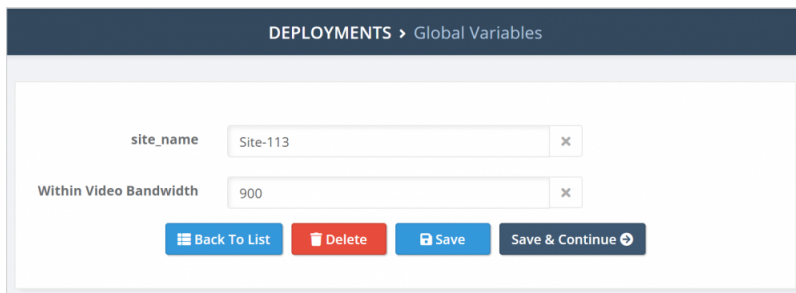
### To run a deployment

1. Select **Deployments** from the left navigation menu
2. On the menu, click **Add**
3. Select the **Service Group** for the deployment
4. Select the **Package** to deploy
5. Enter a **Deployment Name**
6. Optionally enter a **Deployment Description**
7. Click **Begin**



The image shows a deployment configuration form. It includes two dropdown menus for 'Service Group' and 'Package', both with 'Select' as the placeholder text. Below these is a text input field for 'Deployment Name' with a clear button (X). Underneath is a larger text area for 'Description' with the placeholder text 'Optional'. At the bottom are two buttons: 'Cancel' and 'Begin' with a right arrow icon.

8. Input the data for any Global Variables



The image shows the 'Global Variables' configuration screen. The breadcrumb 'DEPLOYMENTS > Global Variables' is at the top. There are two input fields: 'site\_name' with the value 'Site-113' and 'Within Video Bandwidth' with the value '900'. Both fields have clear buttons (X). At the bottom are four buttons: 'Back To List' (blue), 'Delete' (red), 'Save' (blue), and 'Save & Continue' (dark blue with a right arrow icon).

9. Click **Save & Continue**
10. Review the setting and then click **Deploy**

**DEPLOYMENTS** > Review & Confirm

Service Group

UC-12-5

Package

Default Site

Deployment Name

Site 113

Description

Site 113 Deployment

Global Variables

site\_name

Site-113

Within Video Bandwidth

900


Back to Global Variables

Back To List

Delete

Deploy

11. The deployment will be submitted to the queue and then processed

 Akkadian Labs™

DASHBOARD

PACKAGES

GLOBAL VARIABLES

**DEPLOYMENTS**

SYSTEM

DEPLOYMENTS

+ Add

Refresh

Import

Show 50 entries

Global Search

	Name	Status	Description	Created	Updated
<input type="checkbox"/>	Site 113	Queued	Site 113 Deployment	2018-11-15 21:32:46	2018-11-15 21:43:52

The request has been accepted and will be processed shortly.

## 7.2 Running Bulk Deployments

### To run a bulk deployment

1. Select **Deployments** from the left navigation menu
2. On the menu, click **Add**
3. Select the **Service Group** for the deployment
4. Select the **Package** to deploy
5. Enter a **Deployment Name**
6. Optionally enter a **Deployment Description**
7. Check the **Bulk Deployment** checkbox
8. Click **Begin**

The screenshot shows a web interface for creating a new deployment. At the top, a dark blue header bar contains the text 'DEPLOYMENTS > New Deployment'. Below this, the form is organized into several sections. The 'Service Group' section has a dropdown menu with 'UC-12-5' selected. The 'Package' section has a dropdown menu with 'Route Pattern' selected. The 'Deployment Name' section has a text input field with 'Bulk Route Pattern Site 113' and a small 'x' icon to clear the field. The 'Description' section has a larger text area with 'Bulk Route Pattern for Site 113'. At the bottom, there is a 'Bulk Deployment' checkbox that is checked, followed by a small input field containing the number '10'. Below these fields are two buttons: a 'Cancel' button with a circular arrow icon and a 'Begin' button with a right-pointing arrow icon.

9. Input the data for any Global Variables

**DEPLOYMENTS > New Deployment**

[Back To List](#)
[Delete](#)
[Save](#)
[Save & Deploy](#)
[Export](#)

	Pattern	Description	Partition
1	9.14135663071	Route Pattern Site 113	Site-113_LD_RTP
2	9.14135663072	Route Pattern Site 113	Site-113_LD_RTP
3	9.14135663073	Route Pattern Site 113	Site-113_LD_RTP
4	9.14135663074	Route Pattern Site 113	Site-113_LD_RTP
5	9.14135663075	Route Pattern Site 113	Site-113_LD_RTP
6	9.14135663076	Route Pattern Site 113	Site-113_LD_RTP
7	9.14135663077	Route Pattern Site 113	Site-113_LD_RTP
8	9.14135663078	Route Pattern Site 113	Site-113_LD_RTP
9	9.14135663079	Route Pattern Site 113	Site-113_LD_RTP
10	9.14135663080	Route Pattern Site 113	Site-113_LD_RTP
11	+ New Deployment		

10. Click **Save & Deploy**

11. The deployment will be submitted to the queue and then processed

**DEPLOYMENTS**

[+ Add](#)
[Refresh](#)
[Import](#)

Show 50 entries

	Name	Status	Description	Created	Updated
<input type="checkbox"/>	Bulk Route Pattern Site 113 [Bulk]-10	Deployed	Bulk Route Pattern for Site 113	2018-11-15 22:17:13	2018-11-16 03:17:25
<input type="checkbox"/>	Bulk Route Pattern Site 113 [Bulk]-9	Deployed	Bulk Route Pattern for Site 113	2018-11-15 22:17:12	2018-11-16 03:17:27
<input type="checkbox"/>	Bulk Route Pattern Site 113 [Bulk]-8	Deployed	Bulk Route Pattern for Site 113	2018-11-15 22:17:11	2018-11-16 03:17:18
<input type="checkbox"/>	Bulk Route Pattern Site 113 [Bulk]-7	Deployed	Bulk Route Pattern for Site 113	2018-11-15 22:17:10	2018-11-16 03:17:23
<input type="checkbox"/>	Bulk Route Pattern Site 113 [Bulk]-6	Deployed	Bulk Route Pattern for Site 113	2018-11-15 22:17:09	2018-11-16 03:17:28
<input type="checkbox"/>	Bulk Route Pattern Site 113 [Bulk]-5	Deployed	Bulk Route Pattern for Site 113	2018-11-15 22:17:08	2018-11-16 03:17:19
<input type="checkbox"/>	Bulk Route Pattern Site 113 [Bulk]-4	Deployed	Bulk Route Pattern for Site 113	2018-11-15 22:17:07	2018-11-16 03:17:20
<input type="checkbox"/>	Bulk Route Pattern Site 113 [Bulk]-3	Deployed	Bulk Route Pattern for Site 113	2018-11-15 22:17:06	2018-11-16 03:17:17
<input type="checkbox"/>	Bulk Route Pattern Site 113 [Bulk]-2	Deployed	Bulk Route Pattern for Site 113	2018-11-15 22:17:05	2018-11-16 03:17:24
<input type="checkbox"/>	Bulk Route Pattern Site 113 [Bulk]-1	Deployed	Bulk Route Pattern for Site 113	2018-11-15 22:17:04	2018-11-16 03:17:22

## 7.3 Rolling Back a Deployment

A deployment may be rolled back for any reason. The rollback will remove all data that was provisioned by deployment.

**To rollback a deployment:**

1. Select **Deployments** from the left navigation menu
2. Select or search for the deployment in the list

The screenshot shows the Akkadian Site Builder Admin interface. The left sidebar contains a navigation menu with the following items: DASHBOARD, PACKAGES, GLOBAL VARIABLES, DEPLOYMENTS (which is highlighted with a green bar), and SYSTEM. The main content area is titled 'DEPLOYMENTS' and features three buttons: '+ Add', 'Refresh', and 'Import'. Below these buttons is a table with the following columns: Name, Status, Description, Created, and Updated. A single deployment is listed in the table: 'Site 113' with a status of 'Queued', a description of 'Site 113 Deployment', a creation time of '2018-11-15 21:32:46', and an update time of '2018-11-15 21:43:52'. Above the table, there is a 'Show 50 entries' dropdown and a 'Global Search' input field. A notification banner at the top right of the main content area states: 'The request has been accepted and will be processed shortly.'

3. Click on the deployment name of view the details
4. Click the **Rollback** button to roll back the deployment
5. Confirm the rollback operation

**!** Note that rollbacks are permanent and cannot be reversed.

**DEPLOYMENTS** > Review & Confirm

Service Group	UC-12-5
Package	Default Site
Deployment Name	Site 113
Description	Site 113 Deployment

Global Variables

site_name	Site-113
Within Video Bandwidth	900

Back To List

Rollback

ADDITIONAL DETAILS