

# ManageEngine Log360 **Admin Guide**



# Administration Settings

These settings helps administrators to configure Log360 to suit the organization policies and convenience. The following settings can be configured under the Admin Settings:

- [Log360 Integration](#)
- [Logon Settings](#)
- [Device allocation management](#)
- [Auto Update](#)
- [Manage Technicians](#)
- [Search Engine Management Securing your SEM nodes](#)
- [Reverse Proxy](#)

## Log360 Integration

Log360 contains seven components, with each of them providing a rich but unique set of features. These components are:

- ADAudit Plus
- ADManager Plus
- EventLog Analyzer
- User and Entity Behavior Analytics (UEBA)
- DataSecurity Plus
- M365 Manager Plus
- Exchange Reporter Plus
- Cloud Security Plus

To get a complete solution for all your security challenges and management problems, these components have to be integrated into Log360. Follow the steps shown below:

### Step 1: Download and install the components

**Note:** If you already have the components installed and running, you can skip this step and proceed with **Step 2 (Integrate the components)**

- Download the components either from the link available under the Dashboard of each component or from the [Log360 Website](#).

**Note:** Kindly ensure that you integrate EventLog Analyzer version 12150 or above and ADAudit Plus version 6065 or above in the latest and upcoming builds of Log360 (Build 5214 and above).

- Install the components one-by-one by double-clicking the downloaded '.exe' files and following the install shield wizard.
- Once the installation is complete, start the different components by double-clicking on the desktop shortcut icons of the respective components.

## Step 2: Integrate the components

**Note:** Make sure that all the components are set up and running before proceeding with the steps given below. Also, check whether you have the appropriate versions of the components with respect to the Log360 version you are currently running.

- Go to **Admin → Log360 integration**. You will be presented with two tabs, each representing a component of Log360.
- Click on any one of the tabs (say EventLog Analyzer).
- Enter the name or IP address and the port number of the server on which that particular component is running.
- Select the connection **Protocol** from the drop down menu.
- Click **Integrate Now**.
- Repeat the above 3 steps for other components as well under the respective tabs.

**Note:** To convert the integrated stand alone edition of EventLog Analyzer to an admin server, you need to remove its integration from Log360 by navigating to **Admin → Administration → Log360 Integration → EventLog Analyzer** and clicking Remove. You can convert EventLog Analyzer to admin server and then integrate the distributed edition of EventLog Analyzer component with Log360 .

## Switch between different components of Log360:

Once all the components have been integrated, you can switch between components to access the full feature set that each component offers. You can easily switch between two components by using the **Jump to** link provided at the top right corner of the Log360 Web Client. Simply place your mouse pointer over the **Jump to** link and select the component to which you want to jump.

## Data Synchronization Across Components

Once the different components of Log360 have been integrated, the data such as domain settings, component integration, and more will automatically be synchronized across each component. This saves a lot of time for the administrators, as they no longer have to configure the same settings across all the four components. Any changes made in any one of the components will automatically be reflected in the other components also. The data relating to the following configuration settings will be automatically synchronized across all the components of Log360:

### Domain Settings:

If you want to add a domain to all the components in Log360, simply add the domain to any one of the components and it will be automatically added to all the other components. Also, if there is a change in the administrator credential used to configure a domain with a component, simply update the change in any one of the components and it will be synchronized across all the other components.

### Integration Settings:

The different components of Log360 communicate with each other for various purposes like single sign-on, domain settings, and more. Any changes to the hostname and port number of a component must be reflected in the other components for smooth working of all the components. But with Log360, there is no need for you, the administrator, to manually make the changes in each of the components. Simply update these changes in the [Log360 Integration](#) settings page and the changes will be automatically synchronized across all the components.

## Logon Setting

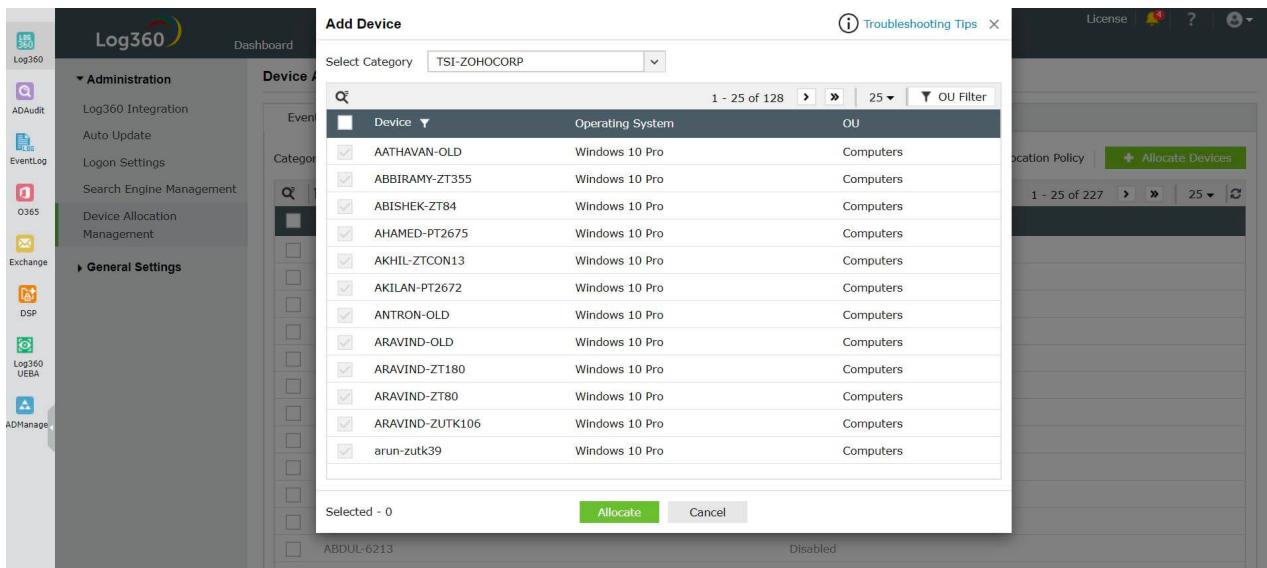
Learn how to configure the following logon settings.

- [General](#): Learn how to enable CAPTCHA in the login page, block users after a certain number of invalid login attempts, and hide the **Forgot password?** link in the login page.
- [Single Sign-On](#): Learn how to configure Single Sign-On to allow users who are already authenticated with their Windows domain to automatically log into Log360.
- [Smartcard Authentication](#): Learn how to configure Log360 to authenticate users through smart cards, bypassing other first factor authentication methods.
- [Two-factor Authentication](#): Learn how to enable two-factor authentication for users logging into Log360.

# Device allocation module

EventLog Analyzer and ADAudit Plus are two of the components of Log360 that predominantly works based on the number of devices they monitor. To avoid duplication of devices, Log360 device allocation module synchronize all the devices in the network between EventLog Analyzer with the ADAudit Plus and allows you to control the Windows devices added to them from a single console. You can enable auto allocation to avoid adding devices manually. You can check out the device allocation feature by following the steps below.

- Navigate to **Admin → Administration → Device Allocation Management**. You can view the existing devices here.
- To allocate devices to EventLog Analyzer and ADAudit Plus manually, click **Allocate Devices**.
- Select category from the drop down and select the devices from the **Add Devices** window and click **Allocate**.



- To enable **Auto Allocation**, click the slider.
- Click **Auto Allocation Policy** to view the device allocation by policy. You can customize the policy according to your requirements.

The screenshot shows the Log360 software interface with the 'Admin' tab selected. On the left, a sidebar lists 'Administration' and 'General Settings' sections. The main area is titled 'Edit Policy - ManageEngine EventLog Analyzer'. It contains a checkbox for 'Add Windows devices from' and dropdown menus for 'WorkGroup' (showing 'No WorkGroups Configured') and 'Domain' (listing 'tsl.zohocorp.com', 'csez.zohocorp.com', and 'ms.com'). Below these are buttons for 'Selected OUs: All', 'Add OUs', and 'Reset Policy'. At the bottom, there's a note: 'Note: The Device Allocation Management feature can be accessed by the default admin only.'

- In the **Edit Policy** window, you can select the Workgroup and the Domain from which the devices must be added.

**Note:** The Device Allocation Management feature can be accessed by the default admin only.

# Auto Update

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## Auto Updated

- Navigate to **Admin** → **Administration** → **Auto Update** → **Auto Update**.
- To **enable** auto update for a particular component, click on the  icon located in the action column of the particular component.
- To **disable** auto update for a particular component, click on the  icon located in the action column of the particular component.
- To edit the update scheduler for a particular component, click on the  icon located in the action column of the component.
- In **Check for Update** option, select whether you want to check for updates daily, weekly, or monthly.
- Selecting the option **Automatically Download and update Log360** will download and install any available updates automatically.
  - You can also choose to receive notifications about available updates by selecting the options under **Notify me**.
  - **When updates are available:** Notifications will be sent when updates are available.  
**After installing the update:** Notifications will be sent after the updates have been downloaded and installed.
- Click **Save**.
- Furthermore, you can use the **Update History** link to view all the installed updates.

Alternatively, you can also configure the auto update settings by following the steps listed below:

- Navigate to **Support** tab.
- Click on **Check for updates** box at the top right corner of the page.
- Click **Settings** link in the pop-up that appears, then click on **Auto Update** tab.
- Select the check box against **Enable Auto Update** to enable auto update.
- In **Check for Update** option, select whether you want to check for updates daily, weekly, or monthly.
- Selecting the option **Automatically Download and update Log360** will download and install any available updates automatically.
- You can also choose to receive notifications about available updates by selecting the options under **Notify me**.
  - **When updates are available:** Notifications will be sent when updates are available.
  - **After installing the update:** Notifications will be sent after the updates have been downloaded and installed.
- Click **Save**.

# Centralized Technician Management

Log360 supports centralized management of user roles for all its components which include **ADAudit Plus, EventLog Analyzer, Cloud Security Plus, Exchange Reporter Plus, DataSecurity Plus, Log360 UEBA, ADManager Plus, and M365 Manager Plus**. When a user is declared as a technician, they are provided with the permissions to configure specific areas of Log360 and its various components. A user can be assigned as a technician of a single domain, or multiple domains.

**Note:** Limited license of ADManager Plus, Exchange Reporter Plus, and M365 Manager Plus does not include the centralized technician feature.

Log360 allows adding users in two user groups, admin and operator.

## Admin

An admin has full control over the entire application by default.

## Operator

An operator can audit the operations taking place in the application.

## How to add a new centralized technician?

A new centralized technician can be added with authentication by two methods - product authentication and Active Directory authentication.

To add new users with authentication by product, follow the steps given below:

- Under the **Admin** tab, navigate to **Administration → Manage Technicians**.

Technician Name	Description	Authentication type	Roles and Component Name
adapeautomation	Technician to manage ADAudit Plus component	log360qa.local	View Details
admin	No Description	Product Authentication	View Details
administrator	No Description	log360qa.local	View Details
Administrator	No Description	LOG360DEV.COM	View Details
elaqaadmin	No Description	log360qa.local	View Details
Guest	No Description	LOG360DEV.COM	View Details
krbtgt	No Description	LOG360DEV.COM	View Details
log360-alpha	Log360, a comprehensive SIEM tool, helps you resolve numerous IT security challenges including log management, Active Directory auditing, public cloud log management, meeting compliance requirements, protecting confidential data from security breach	LOG360DEV.COM	View Details
log360-omega	No Description	LOG360DEV.COM	View Details
log360dev-operator	No Description	LOG360DEV.COM	View Details
operator	No Description	Product Authentication	View Details
Test	No Description	Product Authentication	View Details

- Then click on the **+ Add New Technicians** button on the top-right corner.

- Enter a name for the technician in the **User Name** field. You can additionally add a description by clicking on the **Description** button.

- Enter a new password and confirm it in the respective fields.
- Enter the email address of the technician in the **Email ID** field.
- In the **Roles** drop-down box, choose the role(s) you want to assign to the technician. The permissions applicable to the selected role will be assigned to the technician.
- In the **Delegate to** section, select the components to which you want to add the new technician, by ticking the respective checkboxes. For each component, select the roles and domains to be assigned in the appropriate fields.
- Complete the add user operation by clicking on the **Add** button.

Log360

Dashboard Reports Compliance Configuration Admin Support

Add New Technicians

Authentication Type: Product Authentication

User Name: Log360User

Password: Strong

Confirm Password:

Email ID: log360@mail.com

Role for Log360: Admin

Delegate to:

Component Name	Roles	Delegated to
ADAudit Plus	Admin	LOG360DEV.COM, jp1.log360qa.local
EventLog Analyzer	Administrator	UnixGroup, Windows Workstation, De
Exchange Reporter Plus	- Select Role(s) -	- Select Organization -
DataSecurity Plus	- Select Role(s) -	All Delegations
Log360UEBA	- Select Role(s) -	All Delegations

Add Cancel

To add new users with authentication by Active Directory, follow the steps given below:

- Under the **Admin** tab, navigate to **Administration → Manage Technicians**.

Log360

Dashboard Reports Compliance Configuration Admin Support

Administration

Log360 Integration Auto Update

**Manage Technicians**

+ Add New Technicians

Technician Name Description Authentication type Roles and Component Name

adapautomation	Technician to manage ADAudit Plus component	log360qa.local	[View Details](#)
admin	No Description	Product Authentication	[View Details](#)
administrator	No Description	log360qa.local	[View Details](#)
Administrator	No Description	LOG360DEV.COM	[View Details](#)
elaqaadmin	No Description	log360qa.local	[View Details](#)
Guest	No Description	LOG360DEV.COM	[View Details](#)
krbtgt	No Description	LOG360DEV.COM	[View Details](#)
log360-alpha	Log360, a comprehensive SIEM tool, helps you resolve numerous IT security challenges including log management, Active Directory auditing, public cloud log management, meeting compliance requirements, protecting confidential data from security breach	LOG360DEV.COM	[View Details](#)
log360-omega	No Description	LOG360DEV.COM	[View Details](#)
log360dev-operator	No Description	LOG360DEV.COM	[View Details](#)
operator	No Description	Product Authentication	[View Details](#)
Test	No Description	Product Authentication	[View Details](#)

- Then click on the **+ Add New Technicians** button on the top-right corner.

- Under **Authentication Type**, select AD Authentication from the drop-down menu.

- In the **Select Users** field, select the required users in your AD by clicking on the **Add** button.
- Select the **Role for Log360** from the drop-down menu.
- In the **Delegate to** section, select the components to which you want to add the new technician, by ticking the respective checkboxes. For each component, select the roles and domains to be assigned in the appropriate fields.
- Complete the add user operation by clicking on the **Add** button.

**Note:** The above technician delegations work only within Log360 and its components. The privileges assigned to the users in Active Directory will remain unchanged.

**Note:** Previously, auto addition of domain technicians in Exchange Reporter Plus and M365 Manager Plus was initiated when the user logs into Log360 using their AD credentials. Now, users are required to create domain technicians separately in each component, or from the centralized technician dashboard.

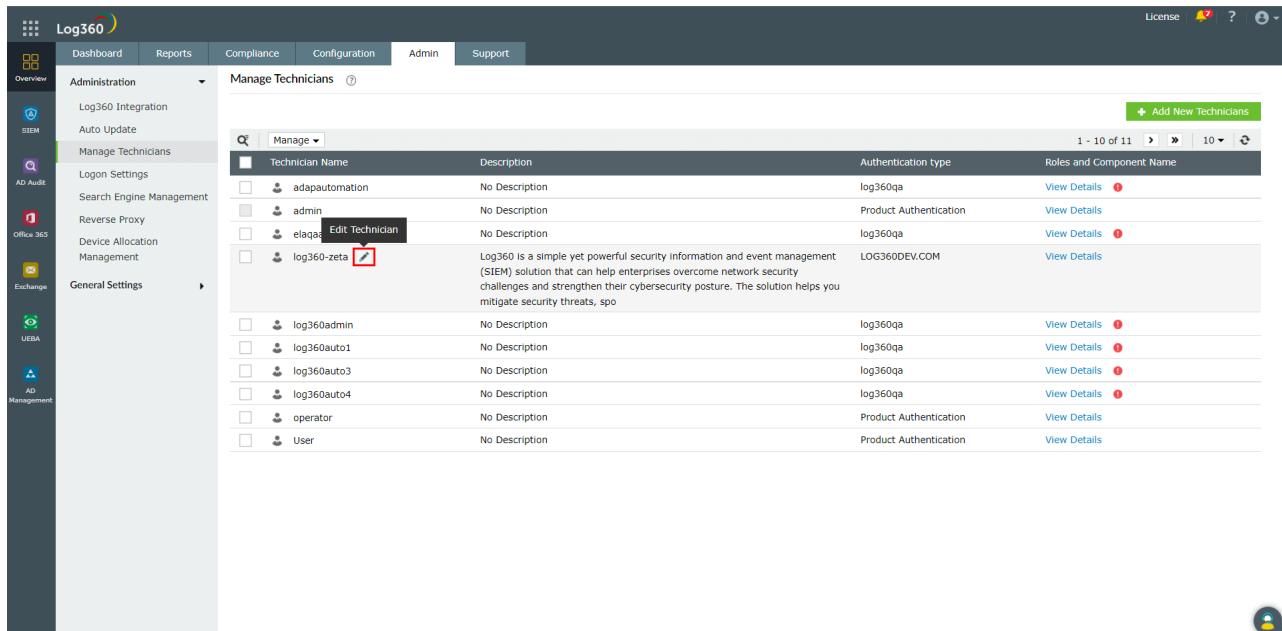
## How to modify an existing technician from the centralized dashboard?

To edit the information of an existing technician, follow the steps given below.

- Under the **Admin** tab, navigate to **Administration** → **Manage Technicians**.

Technician Name	Description	Authentication type	Roles and Component Name
adapautomation	Technician to manage ADAudit Plus component	log360qa.local	<a href="#">View Details</a>
admin	No Description	Product Authentication	<a href="#">View Details</a>
administrator	No Description	log360qa.local	<a href="#">View Details</a>
Administrator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
elaqaadmin	No Description	log360qa.local	<a href="#">View Details</a>
Guest	No Description	LOG360DEV.COM	<a href="#">View Details</a>
krbtgt	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360-alpha	Log360, a comprehensive SIEM tool, helps you resolve numerous IT security challenges including log management, Active Directory auditing, public cloud log management, meeting compliance requirements, protecting confidential data from security breach	LOG360DEV.COM	<a href="#">View Details</a>
log360-omega	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360dev-operator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
operator	No Description	Product Authentication	<a href="#">View Details</a>
Test	No Description	Product Authentication	<a href="#">View Details</a>

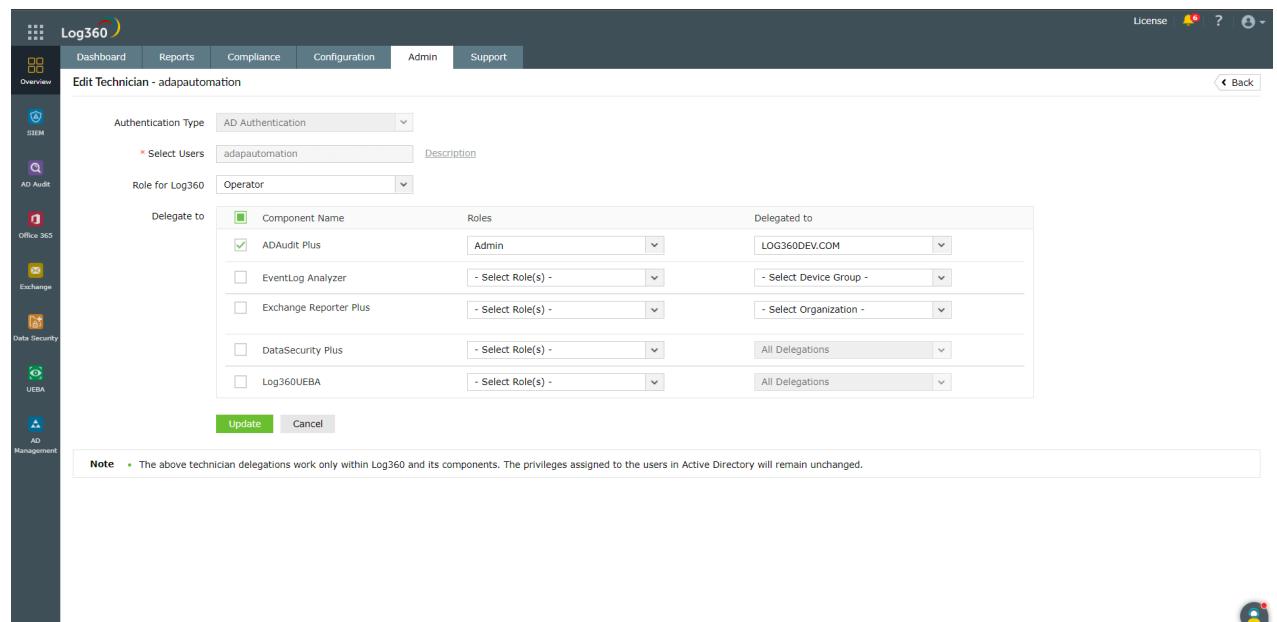
- Click the edit  icon next to the name of the technician that you want to edit. The icon will appear when the cursor is hovered over the technician name.



The screenshot shows the 'Manage Technicians' section of the Log360 interface. A table lists various technicians with their names, descriptions, authentication types, and roles. The technician 'log360-zeta' is selected, and the 'Edit Technician' button next to it is highlighted with a red box.

Technician Name	Description	Authentication type	Roles and Component Name
adapautomation	No Description	log360qa	<a href="#">View Details</a>
admin	No Description	Product Authentication	<a href="#">View Details</a>
elaqua	No Description	log360qa	<a href="#">View Details</a>
log360-zeta	Log360 is a simple yet powerful security information and event management (SIEM) solution that can help enterprises overcome network security challenges and strengthen their cybersecurity posture. The solution helps you mitigate security threats, spo	LOG360DEV.COM	<a href="#">View Details</a>
log360admin	No Description	log360qa	<a href="#">View Details</a>
log360auto1	No Description	log360qa	<a href="#">View Details</a>
log360auto3	No Description	log360qa	<a href="#">View Details</a>
log360auto4	No Description	log360qa	<a href="#">View Details</a>
operator	No Description	Product Authentication	<a href="#">View Details</a>
User	No Description	Product Authentication	<a href="#">View Details</a>

- Edit the information in the various fields as required.



The screenshot shows the 'Edit Technician' page for the user 'adapautomation'. It includes fields for authentication type ('AD Authentication'), users ('adapautomation'), role ('Operator'), and delegation settings. The delegation section lists components and their associated roles and delegations.

Component Name	Roles	Delegated to
ADAudit Plus	Admin	LOG360DEV.COM
EventLog Analyzer	- Select Role(s) -	- Select Device Group -
Exchange Reporter Plus	- Select Role(s) -	- Select Organization -
DataSecurity Plus	- Select Role(s) -	All Delegations
Log360UEBA	- Select Role(s) -	All Delegations

- To associate a new component for the technician, tick the check-box corresponding to the component in the **Delegate to** section. Similarly, to dissociate a component for the technician, untick the checkbox corresponding to the component.

**Note:** A password reset is mandatory if a new component is added to an existing technician.

- To modify the roles and delegations associated with the technician, choose the required role and delegation from the drop-down for the respective component under the **Delegate to** section.
- Click on the **Update** button to save the changes.

The screenshot shows the 'Edit Technician' page for 'adapautomation'. The 'Authentication Type' is set to 'AD Authentication'. The 'Role for Log360' is 'Operator'. The 'Delegate to' section contains a table:

Component Name	Roles	Delegated to
ADAudit Plus	Admin	LOG360DEV.COM
EventLog Analyzer	- Select Role(s) -	- Select Device Group -
Exchange Reporter Plus	- Select Role(s) -	- Select Organization -
DataSecurity Plus	- Select Role(s) -	All Delegations
Log360UEBA	- Select Role(s) -	All Delegations

**Note**: The above technician delegations work only within Log360 and its components. The privileges assigned to the users in Active Directory will remain unchanged.

## How to delete an existing technician from the centralized dashboard?

To delete an existing technician, follow the steps given below.

- Under the **Admin** tab, navigate to **Administration → Manage Technicians**.

The screenshot shows the 'Manage Technicians' page. The sidebar has a 'Manage Technicians' link highlighted with a red box. The main table displays the following data:

Technician Name	Description	Authentication type	Roles and Component Name
adapautomation	Technician to manage ADAudit Plus component	log360qa.local	<a href="#">View Details</a>
admin	No Description	Product Authentication	<a href="#">View Details</a>
administrator	No Description	log360qa.local	<a href="#">View Details</a>
Administrator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
elaqadmind	No Description	log360qa.local	<a href="#">View Details</a>
Guest	No Description	LOG360DEV.COM	<a href="#">View Details</a>
krbtgt	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360-alpha	Log360, a comprehensive SIEM tool, helps you resolve numerous IT security challenges including log management, Active Directory auditing, public cloud log management, meeting compliance requirements, protecting confidential data from security breach	LOG360DEV.COM	<a href="#">View Details</a>
log360-omega	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360dev-operator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
operator	No Description	Product Authentication	<a href="#">View Details</a>
Test	No Description	Product Authentication	<a href="#">View Details</a>

- Choose the technicians to be deleted by ticking the checkbox corresponding to the technician's name.

The screenshot shows the Log360 interface with the 'Admin' tab selected. Under 'Administration', the 'Manage Technicians' option is chosen. The main area displays a table of technicians with columns for 'Technician Name', 'Description', 'Authentication type', and 'Roles and Component Name'. Two specific rows, 'elqaadmin' and 'Guest', have their checkboxes checked and are highlighted with a red box. A green button at the top right of the table area says '+ Add New Technicians'.

Technician Name	Description	Authentication type	Roles and Component Name
adapautomation	Technician to manage ADAudit Plus component	log360qa.local	<a href="#">View Details</a>
admin	No Description	Product Authentication	<a href="#">View Details</a>
administrator	No Description	log360qa.local	<a href="#">View Details</a>
Administrator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
elqaadmin	No Description	log360qa.local	<a href="#">View Details</a>
<b>Guest</b>	No Description	LOG360DEV.COM	<a href="#">View Details</a>
krbtgt	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360-alpha	Log360, a comprehensive SIEM tool, helps you resolve numerous IT security challenges including log management, Active Directory auditing, public cloud log management, meeting compliance requirements, protecting confidential data from security breach	LOG360DEV.COM	<a href="#">View Details</a>
log360-omega	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360dev-operator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
operator	No Description	Product Authentication	<a href="#">View Details</a>
Test	No Description	Product Authentication	<a href="#">View Details</a>

- Click on the **Manage** button above the table and select **Delete** from the drop-down menu.

This screenshot is similar to the previous one, showing the 'Manage Technicians' page. However, a context menu has been opened over the 'Guest' technician's row. The menu options are 'Enable', 'Disable', and 'Delete', with 'Delete' being highlighted with a red box.

Technician Name	Description	Authentication type	Roles and Component Name
adapautomation	Technician to manage ADAudit Plus component	log360qa.local	<a href="#">View Details</a>
admin	No Description	Product Authentication	<a href="#">View Details</a>
administrator	No Description	log360qa.local	<a href="#">View Details</a>
Administrator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
elqaadmin	No Description	log360qa.local	<a href="#">View Details</a>
<b>Guest</b>	No Description	LOG360DEV.COM	<a href="#">View Details</a>
krbtgt	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360-alpha	Log360, a comprehensive SIEM tool, helps you resolve numerous IT security challenges including log management, Active Directory auditing, public cloud log management, meeting compliance requirements, protecting confidential data from security breach	LOG360DEV.COM	<a href="#">View Details</a>
log360-omega	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360dev-operator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
operator	No Description	Product Authentication	<a href="#">View Details</a>
Test	No Description	Product Authentication	<a href="#">View Details</a>

- Confirm the deletion by clicking **Yes** on the warning pop-up message.

Technician Name	Description	Authentication type	Roles and Component Name
adapautomation	Technician to manage ADAudit Plus component	log360qa.local	<a href="#">View Details</a>
admin	No Description	Product Authentication	<a href="#">View Details</a>
administrator	No Description	log360qa.local	<a href="#">View Details</a>
Administrator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
elquaadmin	No Description	log360qa.local	<a href="#">View Details</a>
Guest	No Description	LOG360DEV.COM	<a href="#">View Details</a>
krbtgt	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360-alpha	Log360, a comprehensive SIEM tool, helps you resolve numerous IT security challenges including log management, Active Directory auditing, public cloud log management, meeting compliance requirements, protecting confidential data from security breach	LOG360DEV.COM	<a href="#">View Details</a>
log360-omega	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360dev-operator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
operator	No Description	Product Authentication	<a href="#">View Details</a>
Test	No Description	Product Authentication	<a href="#">View Details</a>

- The technician is now deleted.

## How to enable or disable an existing technician?

To enable or disable an existing technician, follow the steps given below.

- Under the **Admin** tab, navigate to **Administration → Manage Technicians**.

Technician Name	Description	Authentication type	Roles and Component Name
adapautomation	Technician to manage ADAudit Plus component	log360qa.local	<a href="#">View Details</a>
admin	No Description	Product Authentication	<a href="#">View Details</a>
administrator	No Description	log360qa.local	<a href="#">View Details</a>
Administrator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
elquaadmin	No Description	log360qa.local	<a href="#">View Details</a>
Guest	No Description	LOG360DEV.COM	<a href="#">View Details</a>
krbtgt	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360-alpha	Log360, a comprehensive SIEM tool, helps you resolve numerous IT security challenges including log management, Active Directory auditing, public cloud log management, meeting compliance requirements, protecting confidential data from security breach	LOG360DEV.COM	<a href="#">View Details</a>
log360-omega	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360dev-operator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
operator	No Description	Product Authentication	<a href="#">View Details</a>
Test	No Description	Product Authentication	<a href="#">View Details</a>

- Choose the technicians to be enabled/disabled by ticking the checkbox corresponding to the technician's name.

Technician Name	Description	Authentication type	Roles and Component Name
elaqaadmin	No Description	log360qa.local	<a href="#">View Details</a>
Guest	No Description	LOG360DEV.COM	<a href="#">View Details</a>
krbtgt	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360-alpha	Log360, a comprehensive SIEM tool, helps you resolve numerous IT security challenges including log management, Active Directory auditing, public cloud log management, meeting compliance requirements, protecting confidential data from security breach	LOG360DEV.COM	<a href="#">View Details</a>
log360-omega	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360dev-operator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
operator	No Description	Product Authentication	<a href="#">View Details</a>
Test	No Description	Product Authentication	<a href="#">View Details</a>

- Click on the **Manage** button above the table and select **Enable** or **Disable** from the drop-down menu.

Technician Name	Description	Authentication type	Roles and Component Name
elaqaadmin	No Description	log360qa.local	<a href="#">View Details</a>
Guest	No Description	LOG360DEV.COM	<a href="#">View Details</a>
krbtgt	No Description	LOG360DEV.COM	<a href="#">View Details</a>
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log360-omega	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360dev-operator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
operator	No Description	Product Authentication	<a href="#">View Details</a>
Test	No Description	Product Authentication	<a href="#">View Details</a>

- The technician is now enabled/disabled.

To enable or disable an existing technician only for a specific component, follow the steps given below.

- Under the **Admin** tab, navigate to **Administration → Manage Technicians**.

Technician Name	Description	Authentication type	Roles and Component Name
adapautomation	Technician to manage ADAudit Plus component	log360qa.local	<a href="#">View Details</a>
admin	No Description	Product Authentication	<a href="#">View Details</a>
administrator	No Description	log360qa.local	<a href="#">View Details</a>
Administrator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
elaqaadmin	No Description	log360qa.local	<a href="#">View Details</a>
Guest	No Description	LOG360DEV.COM	<a href="#">View Details</a>
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log360dev-operator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
operator	No Description	Product Authentication	<a href="#">View Details</a>
Test	No Description	Product Authentication	<a href="#">View Details</a>

- Click on the **View Details** link under **Roles and Component Name** column corresponding to the required technician.

Technician Name	Description	Authentication type	Roles and Component Name
adapautomation	Technician to manage ADAudit Plus component	log360qa.local	<a href="#">View Details</a>
admin	No Description	Product Authentication	<a href="#">View Details</a>
administrator	No Description	log360qa.local	<a href="#">View Details</a>
Administrator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
elaqaadmin	No Description	log360qa.local	<a href="#">View Details</a>
Guest	No Description	LOG360DEV.COM	<a href="#">View Details</a>
krbtgt	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360-alpha	Log360, a comprehensive SIEM tool, helps you resolve numerous IT security challenges including log management, Active Directory auditing, public cloud log management, meeting compliance requirements, protecting confidential data from security breach	LOG360DEV.COM	<a href="#">View Details</a>
log360-omega	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360dev-operator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
operator	No Description	Product Authentication	<a href="#">View Details</a>
Test	No Description	Product Authentication	<a href="#">View Details</a>

- In the pop-up box that appears, click on the or icon under the **Action** column of the corresponding component to enable/disable it.

Technician Name	Description	Authentication type	Roles and Component Name
adapautomation	Technician to manage ADAudit Plus component	log360qa.local	<a href="#">View Details</a>
admin	No Description	Product Authentication	<a href="#">View Details</a>
administrator	No Description	log360qa.local	<a href="#">View Details</a>
Administrator	No Description	LOG360DEV.COM	<a href="#">View Details</a>
elaqaadmin	No Description	log360qa.local	<a href="#">View Details</a>
Guest	No Description		
krbtgt	No Description		
log360-alpha	Log360, a comprehensive solution for log management, monitoring, and reporting.	LOG360DEV.COM	All Delegations
log360-omega	No Description	LOG360DEV.COM	<a href="#">View Details</a>
log360dev-operator	No Description	Product Authentication	<a href="#">View Details</a>
operator	No Description	Product Authentication	<a href="#">View Details</a>
Test	No Description	Product Authentication	<a href="#">View Details</a>

- The component is now enabled/disabled for the technician.

## Log360 component versions that support centralized technician management

The following are the components that support the centralized technician management feature.

- ManageEngine ADAudit Plus (from build number 7009)
- ManageEngine EventLog Analyzer (from build number 12214)
- ManageEngine Cloud Security Plus (from build number 4130)
- ManageEngine Exchange Reporter Plus (from build number 5615)
- ManageEngine DataSecurity Plus (from build number 6061)
- ManageEngine Log360 UEBA (from build number 4033)
- ManageEngine M365 Manager Plus (from build number 4502)

## Management of technicians from the component

Though each component of Log360 has its own technician management settings, the technicians are advised to be managed from the centralized technician page. This is because you get a more comprehensible overview of the different technicians and their roles in different components when you look at them from the centralized dashboard.

**Note:** Addition of non-domain technicians from a component product will not synchronize with Log360. Please add non-domain technicians from Log360's centralized technician management dashboard.

## Frequently Asked Questions

### 1. What happens to the technicians which were existing/created in the components?

The domain technicians will be synced with Log360. The user will also have operator privilege in Log360.

For M365 Manager Plus, existing technicians available during bundled licensing will have operator extended role, which is also the bundled role. Upon purchasing a full license, you can change roles of existing users.

### 2. What will happen to the technicians that are modified directly in the component's console ?

The changes would be synced with Log360. This does not include changes made to passwords.

### 3. Why are Active Directory Manager Plus (ADMP), M365 Manager Plus (M365) and Exchange Reporter Plus (ERP) not supported?

In order to use ADMP, M365 and ERP, you need to have the full versions of the products. You can upgrade to the full version here:

- [M365 Manager Plus](#)
- [Active Directory Manager Plus](#)
- [Exchange Reporter Plus](#)

#### 4. I have created a Product Technician in component products, but I am not able to view it in Log360 Technician page.

Product Authenticated technicians created in component will not be synced to Log360. Only AD Technicians created in component will be synced to Log360. You can create Product Technician from Log360 console.

## Troubleshooting

### 1. The component product has been updated to the required build version but an error message is shown.

#### Solution:

- Under the **Admin** tab, navigate to **Administration → Log360 Integrations**.
- Update the integration settings for the required component.

### 2. The technicians, roles, and delegations are not in sync.

#### Solution:

- Under the **Admin** tab, navigate to **Administration → Log360 Integrations**.
- Update the integration settings for the required component.

### 3. Error status returns -'AD user not found' or 'User not discovered'

Technician Name	Description	Authentication type	Roles and Component Name
admin	No Description	Product Authentication	<a href="#">View Details</a>
log360-alpha	No Description	LOG360DEV.COM	<a href="#">View Details</a>
operator	No Description	Product Authentication	<a href="#">View Details</a>

## Solution:

The screenshot shows the Log360 interface with the 'AD Management' module selected. A modal window titled 'Select Technician' is open, showing a list of users and groups. The user 'log360dev-operator' is selected. In the background, another window titled 'Delegated roles' is visible, showing 'Super Admin Details' and 'Create Users Details'.

- Go to the **delegation tab** inside the product.
- Refresh the AD user selection

## 4. Error status returns 'License Exceeded' when you add more technicians.

The screenshot shows the 'Manage Technicians' page in Log360. A yellow warning message at the top states: 'Settings saved partially. An error occurred while modifying users in some component(s). [Know Why](#)''. The table lists three technicians: 'log360-alpha' (Component Name: ADMManager Plus, Error Status: License Exceeded), 'admin' (Component Name: Product Authentication, Error Status: None), and 'operator' (Component Name: Product Authentication, Error Status: None).

## Solution:

- Upgrade your license to add more technicians  
You can upgrade your license here:  
  - M365 Manager Plus
  - Active Directory Manager Plus
  - Exchange Reporter Plus

## 5. Error returns 'unable to communicate with the component'.

### Solution:

- Under the **Admin** tab, navigate to **Administration → Log360 Integrations**.
- Update the integration settings for the required component.

## 6. Error status returns 'Unknown Error Occurred'

The screenshot shows the Log360 application's 'Manage Technicians' page. A red error message box at the top right says 'Error in updating help desk technician(s) More Details'. Below it is a table with columns 'Technicians', 'Component Name', and 'Error Status'. The table contains three rows: EventLog Analyzer (Unknown Error Occurred), ADAudit Plus (Unknown Error Occurred), and Log360UEBA (Unknown Error Occurred). On the left sidebar, under 'Administration', there are several options like Log360 Integration, Auto Update, Manage Technicians, Logon Settings, etc. The 'Manage Technicians' option is selected. On the right side, there's a 'Roles and Component Name' section with a table showing roles like 'admin', 'Guest', 'log360adap', 'log360ela', and 'operator' with their respective descriptions and product authentication details.

### Solution:

- Contact [Log360 support](#) in case this error occurs.

## 7. Error returns 'No products are integrated'.

The screenshot shows the 'Add New Technicians' form. It includes fields for Authentication Type (Product Authentication), Username (John), Password, Confirm Password, Email ID (Johnson@zohocorp.com), and Role for Log360 (Admin). Below these, a 'Delegate to' section has a table with columns 'Component Name', 'Roles', and 'Delegation to'. A note at the bottom says 'No products are integrated. Click here to integrate product'. At the bottom of the form are 'Add' and 'Cancel' buttons.

### Solution:

- Under the **Admin** tab, navigate to **Administration → Log360 Integrations**.
- Next, integrate any supported product.

## 8. Error returns 'No products are supported'.

The screenshot shows the 'Add New Technicians' page in the Log360 application. The 'Settings' tab is selected. The form includes fields for Authentication Type (Product Authentication), Username (John), Password, Confirm Password, Email ID (Johnson@zohocorp.com), and Role for Log360 (Admin). Below the form is a note: 'Make sure the integrated products are in Centralized Technician Management supported version and supports delegation feature. [Click here](#) to Know More'. At the bottom are 'Add' and 'Cancel' buttons.

### Solution:

- Check if the integrated product is in its latest/supported version.
- Next, check if the integrated product belongs to the following build numbers.
  - EventLog Analyzer - 12214
  - Log360 UEBA - 4033
  - ADAudit Plus - 7009
  - M365 Manager Plus - 4502
  - DataSecurity Plus - 6061
  - Exchange Reporter Plus - 5615
  - Cloud Security Plus - 4130

# Search Engine Management

Elasticsearch is a distributed, RESTful search and analytics engine. When configured in Log360 it distributes data between the nodes that are added thereby optimizing disk space and also improving the performance of Log360.

- **Actions on nodes**
- **Prerequisites**
- **Setting up Elasticsearch**
- **Configuring Elasticsearch in Log360**

## Actions on nodes

- **Adding a node:** Helps in the distribution of log storage as data will be split and stored between the nodes.
- **Starting a node:** The Elasticsearch service is started in the added node and the node then connects to the Log360 server.
- **Stopping a node:** The Elasticsearch service running in the machine is stopped and data present in the node will not be accessible when the node isn't connected.
- **Deleting a node:** Data is removed from the node and the node is deleted.

## Prerequisites

### 1. Increase file descriptors

Make sure to increase the limit on the number of open files descriptors for the user running Elasticsearch to 65,536 or higher. For the .zip and .tar.gz packages, set **ulimit -n 65536** as root before starting Elasticsearch, or set **nofile to 65536** in /etc/security/limits.conf.

**Note:** This is applicable only for Linux and macOS.

### 2. Ensure sufficient virtual memory

Elasticsearch uses a mmapfs directory by default to store its indices. The default operating system limits on mmap counts is likely to be too low, which may result in out of memory exceptions. You can increase the limits by running the following command as root in Linux:

```
sysctl -w vm.max_map_count=262144
```

### 3. Disable swapping

Usually Elasticsearch is the only service running on a box, and its memory usage is controlled by the JVM options. There should be no need to have swap enabled.

On Linux systems, you can disable swap temporarily by running: **sudo swapoff -a**

On Windows, the equivalent can be achieved by disabling the paging file entirely by going to **System Properties > Advanced > Performance > Advanced > Virtual memory**.

#### 4. Ensure sufficient threads

Elasticsearch uses many thread pools for different types of operations. It is important that it can create new threads whenever needed. Make sure that the number of threads that the Elasticsearch user can create is at least 4096.

This can be done by setting **ulimit -u 4096** as root before starting Elasticsearch, or by setting **nproc 4096** in **/etc/security/limits.conf**.

#### 5. JVM DNS cache settings

Elasticsearch runs with a security manager in place. With a security manager in place, the JVM defaults to caching positive host name resolutions indefinitely. If your Elasticsearch nodes rely on DNS in an environment where DNS resolutions vary with time, then you might want to modify the default JVM behavior. This can be modified by adding **networkaddress.cache.ttl=<timeout>** to your Java security policy.

#### 6. Port availability

Ensure that **port 9322** is available on the machine that will run Elasticsearch.

#### 7. Sharing of <Installation Dir>/EventLog Analyzer/ES/repo

Ensure that the folder **<Installation Dir>/EventLog Analyzer/ES/repo** is shared with the service account of the Log360 server. This folder will be used to create snapshot from Elasticsearch to save archives. If the Log360 server is not in AD, it will be an open share or else make sure that the user has the permission to share the folder and follow the steps below.

1. Share the folder **<Installation Dir>/EventLog Analyzer/ES/repo** manually with the Log360 server.
2. Copy the shared path of **<Installation Dir>/EventLog Analyzer/ES/repo** directory.
3. Navigate to **<Installation Dir>/EventLog Analyzer/ES/config/dae.properties** file and specify the copied path as the value for **node.repo.sharedlocation**.
4. Restart the EventLog Analyzer server.

## Setting up Elasticsearch

By default, uses self-signed certificates Elasticsearch security i.e authentication and encryption. If you want to use your own certificates for security, follow the steps below.

- First make sure you have a client, node, and root certificate in the PEM format.
- Rename the certificates and their corresponding keys as follows.
  - Client certificate to **client.pem** and its key to **client.key**
  - Node certificate to **localnode.pem** and its key to **localnode.key**
  - Root certificate to **root\_ca.pem** and its key to **root\_ca.key**
- Now, go to /ES/config and open the **dae.properties** file.
- Change the value of the parameter **use\_custom\_certificates** to true.

- In **/ES/config/certificates**, check if the following files exist. If they do exist, delete them.
  - client.key
  - client.pem
  - localnode.key
  - localnode.pem
  - root\_ca.key
  - root\_ca.pem
- Then, copy your certificates to **<Log360\_Home>/ES/config/certificates**
- Now, go to **<Log360\_Home>/ES/bin** and run the **verifyCertificates.bat** file.
- If you receive a message saying **Certificate Validation Done**, start the server. If you do not get the message, contact support at [log360-support@manageengine.com](mailto:log360-support@manageengine.com)

### **Setting up certificates for existing nodes**

Follow the steps below to replace the certificates in the existing nodes:

- Go to the machine and then stop the elasticsarch service by opening the **taskmanager>services**.
- Move the certificates to **<INSTALLATION DIR>\ES\config\certificate**
- Navigate to **<INSTALLATION DIR>\ES\config**, open the **elasticsearch.yml** file and replace the following line with the respective details in both the **nodes\_dn** and **admin\_dn**  
**CN=\*.node,OU=none,O=none,L=none,ST=US,C=US**
- Restart the service.

## **Configuring Elasticsearch in Log360**

To configure Elasticsearch in Log360, follow the steps mentioned below.

1. Login to Log360.
2. Navigate to **Admin > Administration > Search Engine Management**.
3. Click on **Add Server**.
4. In the Add Server drop box, enter the server details and the path to installation directory along with TCP port (optional).
5. Click Save.

# Reverse Proxy

A reverse proxy is a proxy service that handles requests from clients, forwards them to the necessary servers, and subsequently delivers the servers' responses to the clients without revealing the identity of the servers. Log360 comes bundled with a reverse proxy server to prevent hackers from finding out, accessing, or exploiting the critical data that it holds.

Log360 lets you enable context-based reverse proxy, port-based reverse proxy, or both.

In context-based reverse proxy, the URL of Log360 server and the servers in which its components are installed should be given a unique context path. Whenever a user request access, it is forwarded to the respective servers based on the context path in the URL. The end user will not know the details of the servers from which they are accessing the resources.

If you want to enable the port-based reverse proxy, you need to choose a unique port number and protocol, for Log360 and its components' servers. In this case, a unique port number for the servers is mandatory whereas specifying a unique protocol is optional. The hostname remains the same for all the servers. In such cases, the reverse proxy server will forward the user request to the appropriate server based on the port number in the URL and the protocol.

**Note:** The hostname of the Log360 server will serve as the hostname for the components' servers when reverse proxy is enabled.

## How to enable reverse proxy

To enable context-based reverse proxy, please follow the steps given below.

- Log into the Log360 console as an **administrator**.
- Select the **Admin** tab and navigate to **Administration → Reverse Proxy**.

Component Name	Context	Access URL	Target URL	Status
Log360		http://ela-dev2k1r2r2:80/	http://ela-dev2k1r2r2:8095	Not Configured
ADAudit Plus	adap	http://ela-dev2k1r2r2:80/adap	http://ela-dev2k1r2r2:8081	Component Down More
EventLog Analyzer	ela	http://ela-dev2k1r2r2:80/ela	http://ela-dev2k1r2r2:8400	Not Configured
O365 Manager Plus	o365	http://ela-dev2k1r2r2:80/o365	http://ela-dev2k1r2r2:8365	Not Configured
Log360UEBA	log360ueba	http://ela-dev2k1r2r2:80/log360ueba	http://ela-dev2k1r2r2:8096	Component Down More

- Under the **Context-Based** tab, **Enable Context-Based Reverse Proxy** by ticking the check box.

- Under the **Context-Based** tab, **Enable Context-Based Reverse Proxy** by ticking the check box.

The screenshot shows the Log360 administration interface. In the left sidebar, under 'Administration', the 'Reverse Proxy' option is selected. On the main page, there are two tabs: 'Context-Based' and 'Port-Based'. The 'Context-Based' tab is active, showing a table of components and their reverse proxy configurations. A red box highlights the 'Enable Context-Based Reverse Proxy' checkbox, which is checked. Below the table are 'Save Settings' and 'Cancel' buttons.

Action	Component Name	Context	Access URL	Target URL	Status
<span style="color: green;">✓</span>	Log360		http://ela-dev2k1r2:80/	http://ela-dev2k1r2:8095	Configured
<span style="color: red;">✗</span>	ADAudit Plus	adap	http://ela-dev2k1r2:80/adap	http://ela-dev2k1r2:8081	Component Down More
<span style="color: green;">✓</span>	EventLog Analyzer	ela	http://ela-dev2k1r2:80/ela	http://ela-dev2k1r2:8400	Configured
<span style="color: green;">✓</span>	O365 Manager Plus	o365	http://ela-dev2k1r2:80/o365	http://ela-dev2k1r2:8365	Configured
<span style="color: red;">✗</span>	Log360UEBA	log360ueba	http://ela-dev2k1r2:80/log360ueba	http://ela-dev2k1r2:8096	Component Down More

- In the **Protocol & Port** fields, select the required protocol and port number. Make sure the port number is not used by other applications.
- Now, for Log360 and each of the integrated components, enter a context path under the **Context** column. The context path must be unique to each component.
- Note down the **Access URLs** for Log360 and its components. External users can use these URLs to access the necessary products.
- Click **Save Settings**.

To enable **port-based reverse proxy**, please follow the steps given below.

- Log into the Log360 console as an **administrator**.
- Select the **Admin** tab and navigate to **Administration → Reverse Proxy**.

The screenshot shows the Log360 administration interface. In the left sidebar, under 'Administration', the 'Reverse Proxy' option is selected. On the main page, there are two tabs: 'Context-Based' and 'Port-Based'. The 'Port-Based' tab is active, showing a table of components and their reverse proxy configurations. A red box highlights the 'Enable Context-Based Reverse Proxy' checkbox, which is unchecked. Below the table are 'Save Settings' and 'Cancel' buttons.

Component Name	Context	Access URL	Target URL	Status
Log360		http://ela-dev2k1r2:80/	http://ela-dev2k1r2:8095	Not Configured
ADAudit Plus	adap	http://ela-dev2k1r2:80/adap	http://ela-dev2k1r2:8081	Component Down More
EventLog Analyzer	ela	http://ela-dev2k1r2:80/ela	http://ela-dev2k1r2:8400	Not Configured
O365 Manager Plus	o365	http://ela-dev2k1r2:80/o365	http://ela-dev2k1r2:8365	Not Configured
Log360UEBA	log360ueba	http://ela-dev2k1r2:80/log360ueba	http://ela-dev2k1r2:8096	Component Down More

- Under the **Port-Based** tab, **Enable Port-Based Reverse Proxy** by ticking the check box.

Action	Component Name	Protocol	Port	Access URL	Target URL	Status
<span style="color: green;">✓</span>	Log360	HTTP	9001	http://ela-dev2k1r2:9001	http://ela-dev2k1r2:8095	Configured
<span style="color: red;">✗</span>	ADAudit Plus	HTTP	9002	http://ela-dev2k1r2:9002	http://ela-dev2k1r2:8081	Component Down More
<span style="color: green;">✓</span>	EventLog Analyzer	HTTP	9003	http://ela-dev2k1r2:9003	http://ela-dev2k1r2:8400	Configured
<span style="color: green;">✓</span>	O365 Manager Plus	HTTP	9004	http://ela-dev2k1r2:9004	http://ela-dev2k1r2:8365	Configured
<span style="color: red;">✗</span>	Log360UEBA	HTTP	9005	http://ela-dev2k1r2:9005	http://ela-dev2k1r2:8096	Component Down More

- In the **Protocol** column, select a protocol for Log360 and its components.
- In the **Port** column, enter a port number for Log360 and its components. The port number must be unique to each server.
- Note down the **Access URLs** for Log360 and its components. External users can use these URLs to access the necessary products.
- Click **Save Settings**.

## Disabling reverse proxy

Log360 allows you to disable the configured reverse proxy for certain components, if required.

You can disable a reverse proxy by clicking on the ✓ icon, under the Actions column corresponding to the desired component.



## About Log360

Log360 is a unified SIEM solution with integrated DLP and CASB capabilities that detects, prioritizes, investigates and responds to security threats. Vigil IQ, the solution's TDIR module, combines threat intelligence, ML-based anomaly detection and rule-based attack detection techniques to detect sophisticated attacks, and it offers an incident management console for effectively remediating detected threats. Log360 provides holistic security visibility across on-premises, cloud and hybrid networks with its intuitive and advanced security analytics and monitoring capabilities. For more information about Log360, visit [manageengine.com/log-management/](https://www.manageengine.com/log-management/) and follow the LinkedIn page for regular updates.

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