

# WebAdmin Guide

JEUS 9.1

**TMAXSOFT**

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# 1. Introduction

This chapter describes the basic concepts and environment of JEUS WebAdmin.

## 1.1. Overview

WebAdmin is a web interface that allows you to manage JEUS via web browsers. It provides a unified interface for all components of JEUS for comprehensive system management. With WebAdmin, system administrators can monitor and control the state of each JEUS server component.

This guide describes the composition and basic functions of WebAdmin.

## 1.2. System Requirements

The following requirements must be met in order to run WebAdmin.

Environment	Description
OS	All operating systems are supported.
JDK	JDK 17
Browser	<ul style="list-style-type: none"><li>◦ Chrome: 79 or higher</li><li>◦ Firefox: 101 or higher</li><li>◦ Edge: 102 or higher</li></ul>
Optimum Resolution	1920px * 1080px

## 1.3. Configuration

This chapter briefly introduces the home screen layout of WebAdmin.

### 1.3.1. Permissions

A user must be granted the **AdministratorsRole** role in the policies.xml file to log into WebAdmin.

Permission Settings: <policies.xml>

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<policies xmlns="http://www.tmaxsoft.com/xml/ns/jeus">
  <policy>
    <role-permissions>
      <role-permission>
        <principal>jeus</principal>
        <role>AdministratorsRole</role>
      </role-permission>
    </role-permissions>
  </policy>
</policies>
```

```

<classname>jeus.security.resource.RolePermission</classname>
    </role-permission>
</role-permissions>
...
</policy>
...
</policies>

```

### 1.3.2. Using WebAdmin as an SSL Service

The ADMIN-HTTP listener can be configured in **Add Listener**.

The following describes the procedure of configuring a listener in WebAdmin.

1. Select **[Servers]** on the menu, and click '**adminServer**' on the **Server** table.
2. On the **adminServer** configuration menu, click **[Resource]** > **[Listener]** .
3. In the **Listener** page, click **[Add]**. In the **Add Listener** page, specify the listener's name as 'SSL\_WEBADMIN' in the **Name** field. After that, enable the option to use SSL under **Ssl**. For detailed information about how to configure listeners, refer to "Listener Configuration" in *JEUS Server Guide*.

Registering Listener Name

Add Listener

Dynamic Configuration

Required

Ssl

Enabled

Use this to configure the SSL attributes, which apply to all services that use the listener.

Client Auth

Unnecessary

Keystore File

Explore

Cancel

Add

Registering SSL\_WEBADMIN

- In the basic configuration page, click **[Engine] > [Web Engine] > [Web Connections]** to view the web connections list. Select an 'HTTP' type listener from the list, and then click **[Edit]** in the **Http Listener** page to modify the listener information.

Set '**Server Listener Ref**' in the ADMIN-HTTP Listener page to 'SSL\_WEBADMIN', and then click **[Save]**.

ADMIN-HTTP

Running

Show Help

ON

Server > Servers > Web Engine > Http Listener

Start

Stop

Duplicate

Delete

Basic

Basic Info

Res Ref

Naming Server

System Thread Pool

System Logging

User Logging

Tm Config

Central Session Server

Resource

Listener

Jms Resource

Jms Quota

Jmx Manager

Scheduler

Lifecycle Invocation

Engine

Web Engine

Basic

Jsp Engine

Virtual Host

Web Connections

Access Log

Session Config

Pipeline

Jms Engine

Basic

Enables the HTTP Listener, which is a web server provided by the web engine. This should be used for small production environments or for internal management. Using WebtoB or Apache web servers is recommended in large production environments.

Dynamic Configuration

Required

Name

ADMIN-HTTP

Unique name that identifies the listener or connector.

Server Listener Ref

SSL\_WEBADMIN ( 192.168.11.27 / 9736 )

Selects the server listener that is referenced by the listener.

The listener named ADMIN-HTTP can be used for internal management. This listener always refers to the "BASE" server listener.

It can be used to access the domain management server's WebAdmin and to test gracefully redistributed web applications, but it cannot be used to access web applications. Using Server Access Control and Allowed Server with this listener is recommended.

Thread Pool

Thread pool to handle all requests via the corresponding web connection when neither the matching context thread pool nor the virtual host's thread pool.

Min

1

Minimum number of worker threads that should be maintained in the pool. (Count of threads)

Max

32

Maximum number of worker threads that should be maintained in the pool. (Count of threads)

Max Idle Time

300000

[Default] 300000

Amount of time that worker threads can be idle before being removed from the pool.

This is applicable to threads that are created after the number of threads reaches the <min> value. (Milliseconds)

Save

Revert

Changing Server Listener Ref

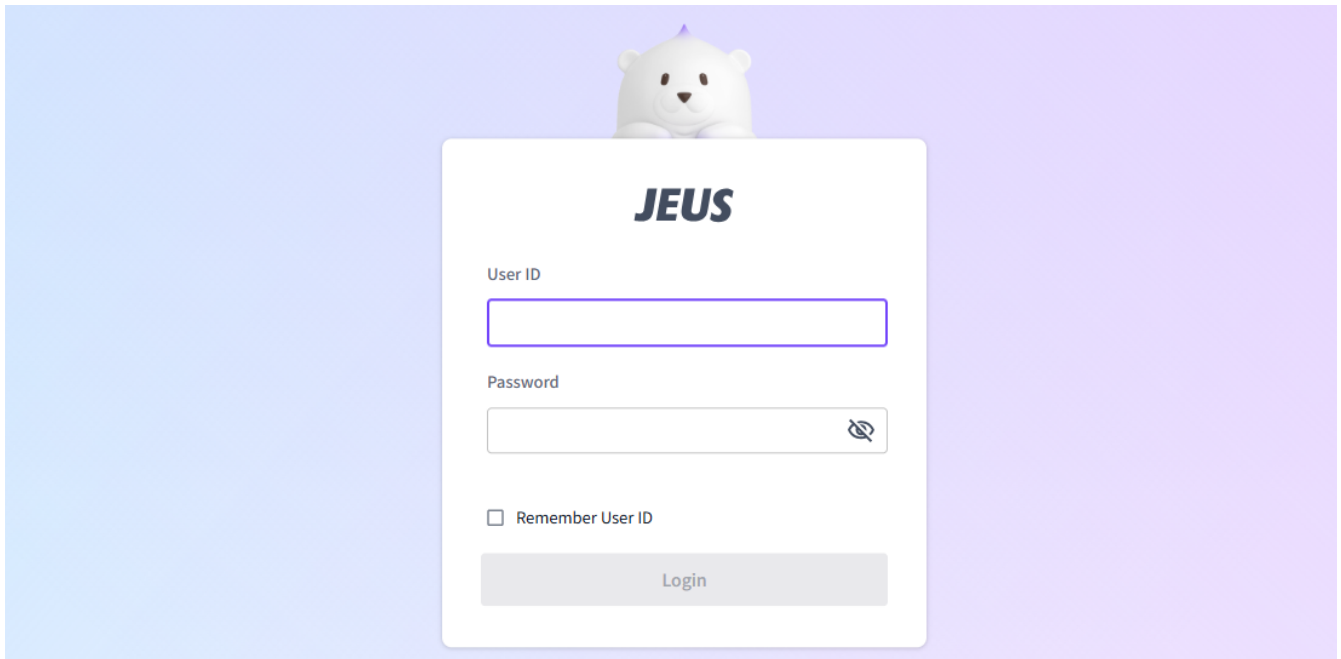
1. Introduction | 3

## 2. Using WebAdmin

This chapter describes basic and common functions provided in WebAdmin.

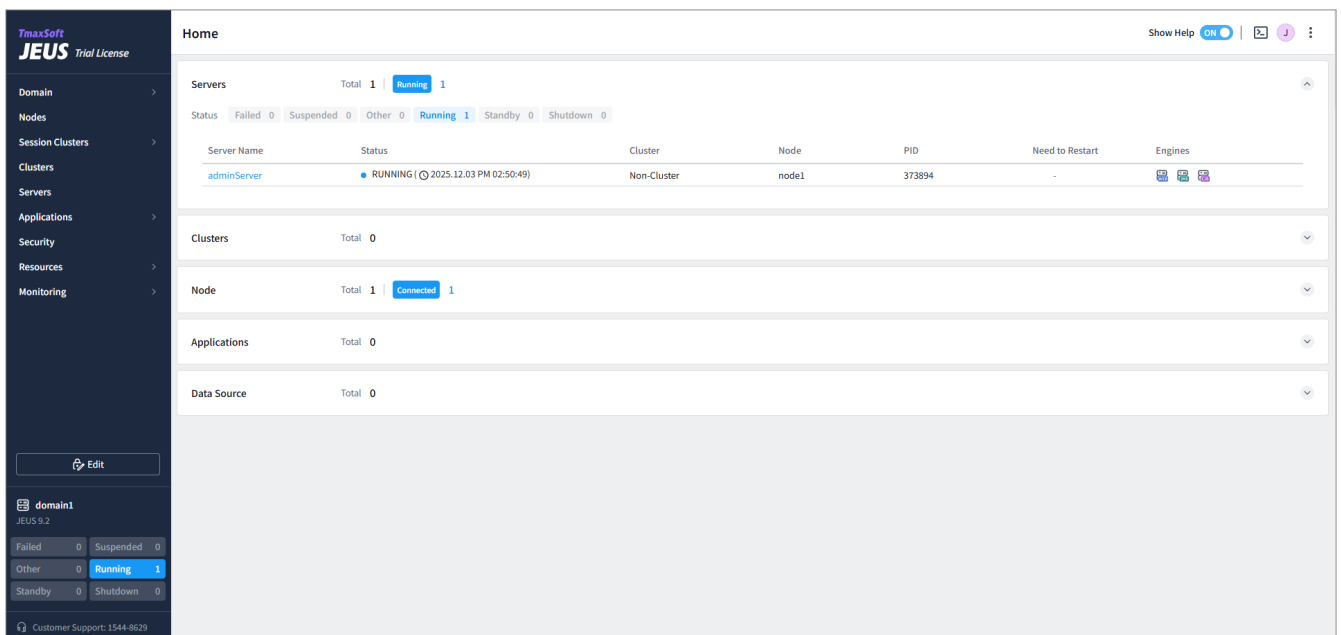
### 2.1. Login

Connect to WebAdmin, enter the user ID and password in the login screen, and click **[Login]**.



WebAdmin Login Screen

When login is successful, the WebAdmin main screen appears.

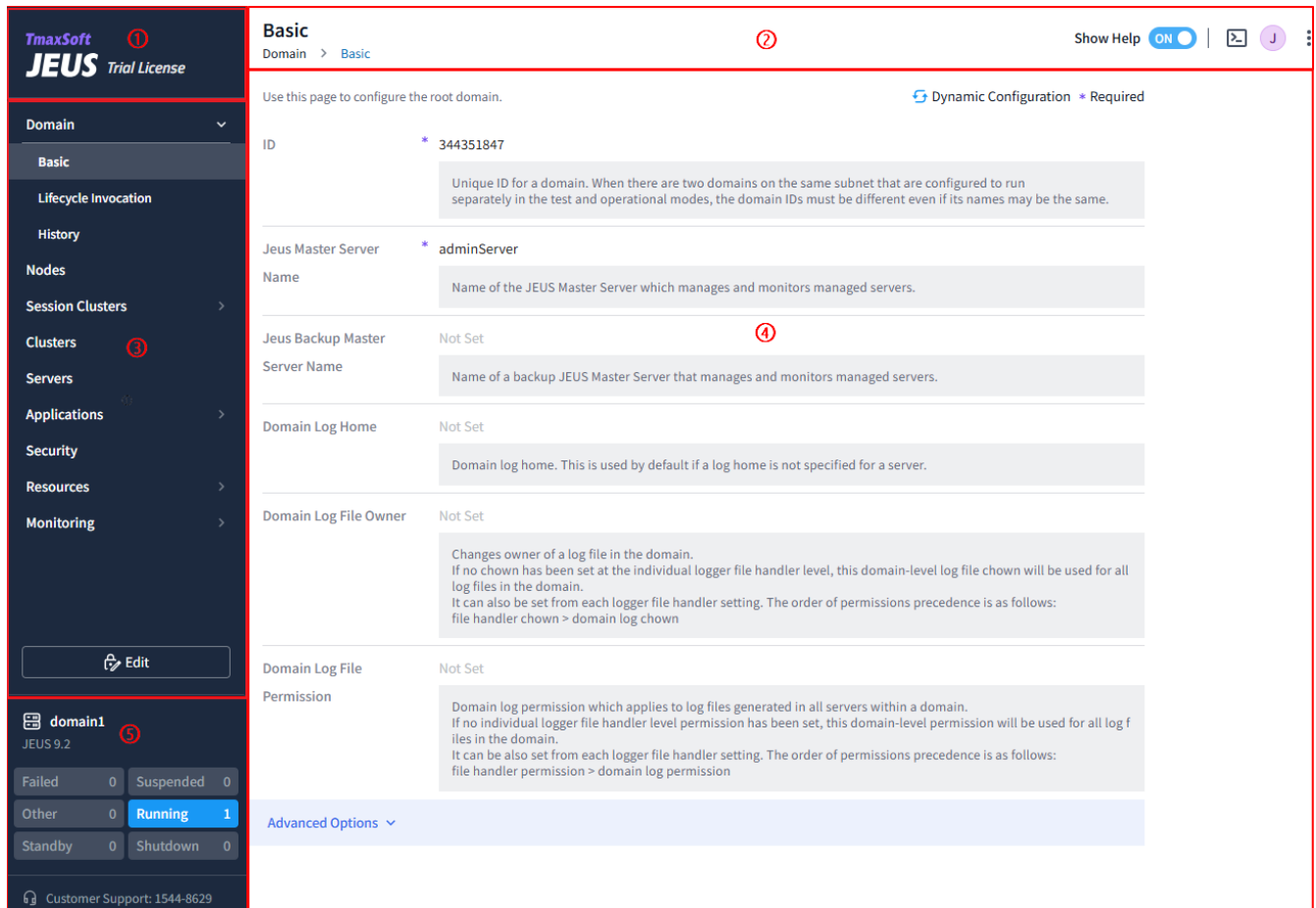


WebAdmin Main Screen



## 2.2. Screen Layout

The following describes each component of the **WebAdmin** screen.



WebAdmin Main Screen

- ① **Logo section**

Displays JEUS log and license information. Click the logo to return to the [WebAdmin Main Screen](#).

- ② **Header section**

Displays the title and navigation path of the current page, and provides access to [Help](#), [Console Tool](#), [Manual](#), and [User Information Management](#) features.

- ③ **Menu section**

Provides the main configuration menus of JEUS.

The top-level menus consists of the following.

Menu	Description
Domain	Configures the domain, which is the largest administration unit in JEUS. For more information on the configuration items in the menu, refer to <i>JEUS Domain Guide</i> .
Nodes	Configures the nodes that manage server processes.

Menu	Description
Session Clusters	Configures session clusters in the domain. For more information about the configuration items in the menu, refer to <i>JEUS Session Server Guide</i> .
Clusters	Configures clusters in the domain. For more information about the configuration items in the menu, refer to <i>JEUS Domain Guide</i> .
Servers	Configures servers in the domain. For more information about the configuration items in the menu, refer to <i>JEUS Server Guide</i> .
Applications	Deploys applications in the domain. For more information about the configuration items in the menu, refer to <i>JEUS Application &amp; Deployment Guide</i> .
Security	Configures security items of JEUS. For more information, refer to <i>JEUS Security Guide</i> .
Resources	Configures resources used by applications.
Monitoring	Monitors each resource used by servers.

- ④ **Main section**

Manages each configuration, including creation, editing, and deletion.

- ⑤ **Status section**

Provides visual information, including the current domain name, JEUS version, server status, and the number of servers in each status. Hovering over a status displays the corresponding server list in a popover. Clicking on a server name opens the configuration page for that server.

The following describes server status.

State	Description
FAILED	The Master Server(Master) has determined that the connection to the Managed Server (MS) has been lost for a certain period and indicates that the MS was shut down abnormally.
FAILURE_SUSPECTED	The Master suspects an abnormal shutdown of the MS due to a failed connection to the MS.
STANDBY	The server failed to distribute one or more registered applications at startup and therefore cannot proceed to the "RUNNING" state. Modify the module and restart the server, or forcibly start the service by executing start -force.
RUNNING	The server has started and is operational.
SHUTDOWN	The server was shut down normally or has not been started.
SHUTTING_DOWN	The server is currently shutting down.
SUSPENDED	The administrator executed "suspend", suspending all applications. In this state, applications can be distributed but not started.

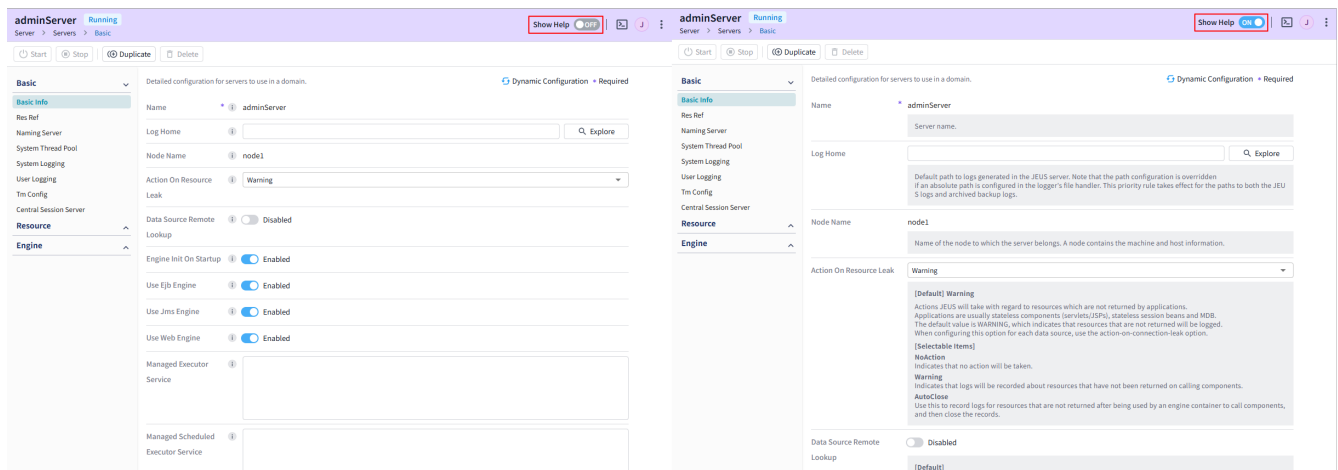
State	Description
RESUMING	The server is recovering from the SUSPENDED state.
STARTING	The server is starting and cannot yet provide services.
SUSPENDING	The server is suspending all running applications.
Other	Server in FAILURE_SUSPECTED, SHUTTING_DOWN, RESUMING, STARTING, or SUSPENDING states are displayed as "Other" in the menu.

## 2.3. Common Features

### 2.3.1. Show Help

Set the **[Show Help]** toggle switch to 'ON' on the right side of the header section to display setting descriptions for each domain. Setting it to 'OFF' hides the descriptions.

Even if it is set to 'OFF', the ⓘ icon is shown on the right side of each setting, and hovering over it displays a tool tip.



### 2.3.2. Console Tool

WebAdmin provides the JEUS command console tool.



The console tool does not support jeusadmin-specific features and local commands including 'repeat', 'interval', 'history', and 'connect'.

For more information about each command, refer to "jeusadmin" in *JEUS Reference Guide*.

Click the  (**[Console Command]**) icon on the right side of the header section to open the **Console** window at the lower pane.

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Domain

Basic

Lifecycle Invocation

History

Nodes

Session Clusters

Clusters

Servers

Applications

Apply to Server

Revert All Changes

domain1

JEUS 9.2

Failed 0

Suspended 0

Other 0

Running 1

Standby 0

Shutdown 0

Customer Support: 1544-8629

Basic

Domain > Basic

Show Help ON

J

Use this page to configure the root domain.

Dynamic Configuration Required

ID

344351847

Unique ID for a domain. When there are two domains on the same subnet that are configured to run separately in the test and operational modes, the domain IDs must be different even if its names may be the same.

Jeus Master Server

adminServer

Name

Name of the JEUS Master Server which manages and monitors managed servers.

Jeus Backup Master

Server Name

Name of a backup JEUS Master Server that manages and monitors managed servers.

Console

Please enter the command and press Enter. (Type "help" to see the command list)

### 2.3.3. Action Buttons

WebAdmin provides various action buttons to manage resources.

- Servers and Clusters

The following describes action buttons to control servers and clusters.

Servers

Show Help ON

J

Specifies settings for multiple servers when configuring JEUS servers in the domain.

Enter the item to search.

Server 1

+ Add

Delete

Start

Resume

Suspend

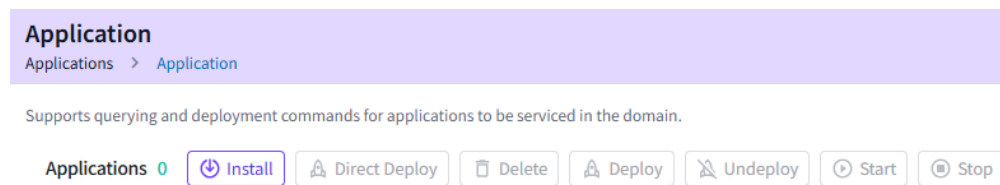
Stop

Server Name	Status	Cluster	Node Name	PID	Need to ...
adminServer	● RUNNING ( 2025.12.03 PM 02:50:49)	Non-Cluster	node1	373894	<div>Start</div> <div>Stop</div> <div>Duplicate</div>

Button	Description
Start	Starts servers and clusters.
Stop	Shuts down servers and clusters.
Resume	Resumes suspended servers and clusters.
Suspend	Suspends running servers and clusters.
Duplicate	Creates a new server by duplicating the server configuration. Available only for servers in <a href="#">Edit Mode</a> .

- **Applications**

The following describes action buttons to control applications.



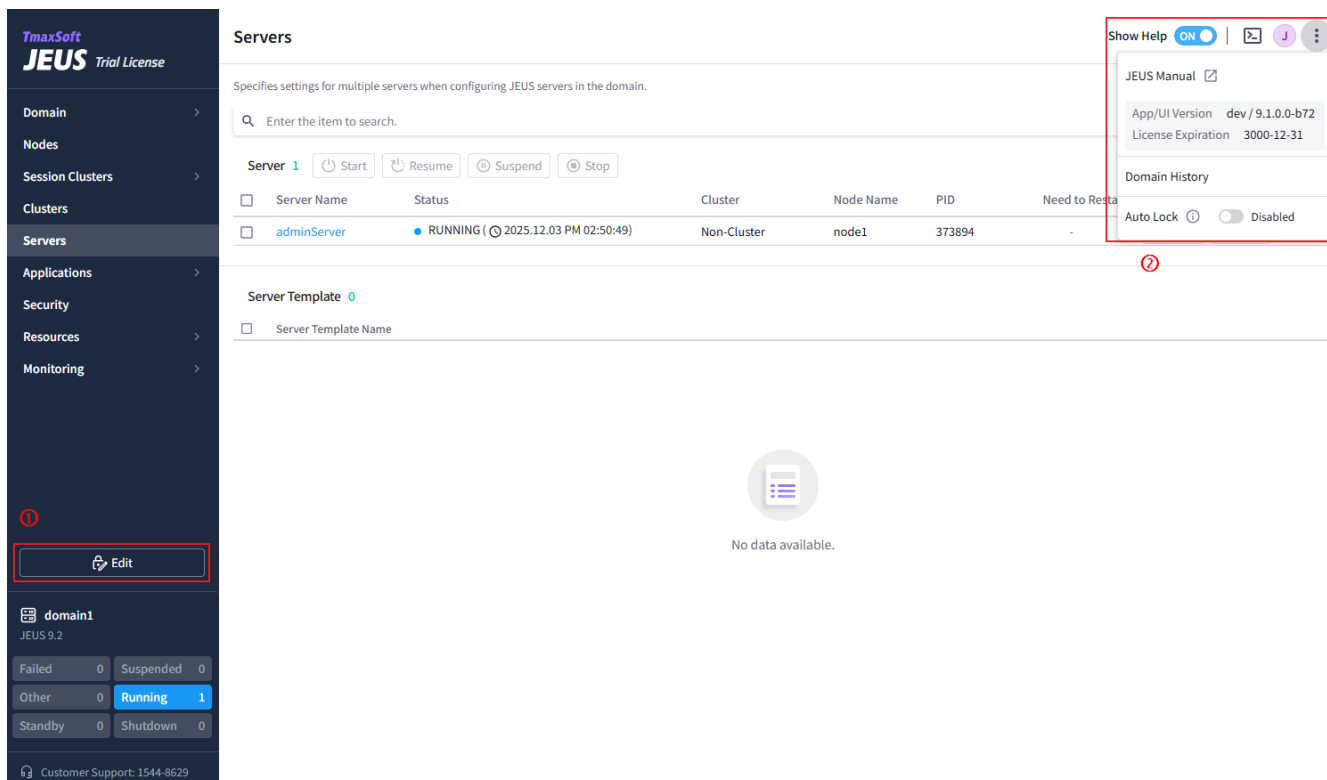
Button	Description
Install	Installs a new application.
Direct Deploy	Directly deploys applications to servers by specifying their absolute paths on the machine (such as the Master Server).
Delete	Deletes installed applications.
Deploy	Deploys applications to servers.
Undeploy	Undeploys applications from their servers.
Start	Runs applications.
Stop	Stops running applications.

## 2.3.4. Edit Mode

WebAdmin provides edit mode and read-only mode.

In read-only mode, configuration information is displayed, and any buttons that cannot be used are disabled.

Edit mode, in which settings can be modified, can be activated in two ways.

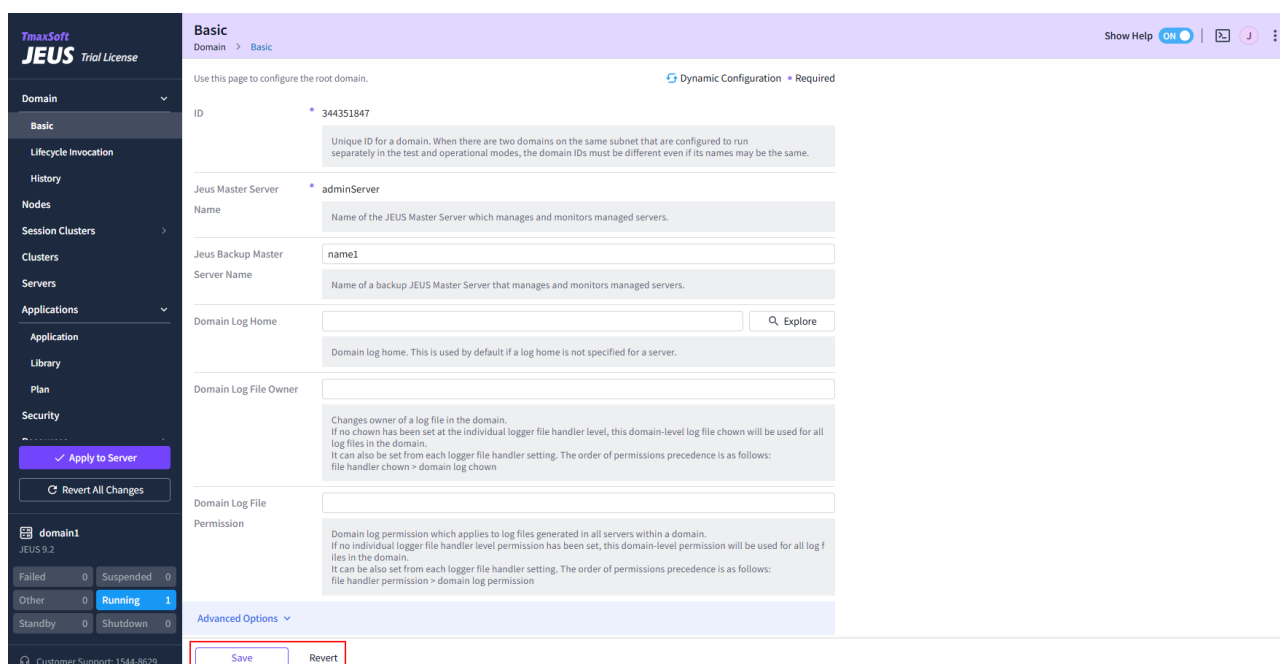


## Edit Mode

### • ① Lock & Edit

Click **[Edit]** at the bottom of the menu section to activate the **Lock & Edit** state. In this state, edit mode remains active even when navigating between pages.

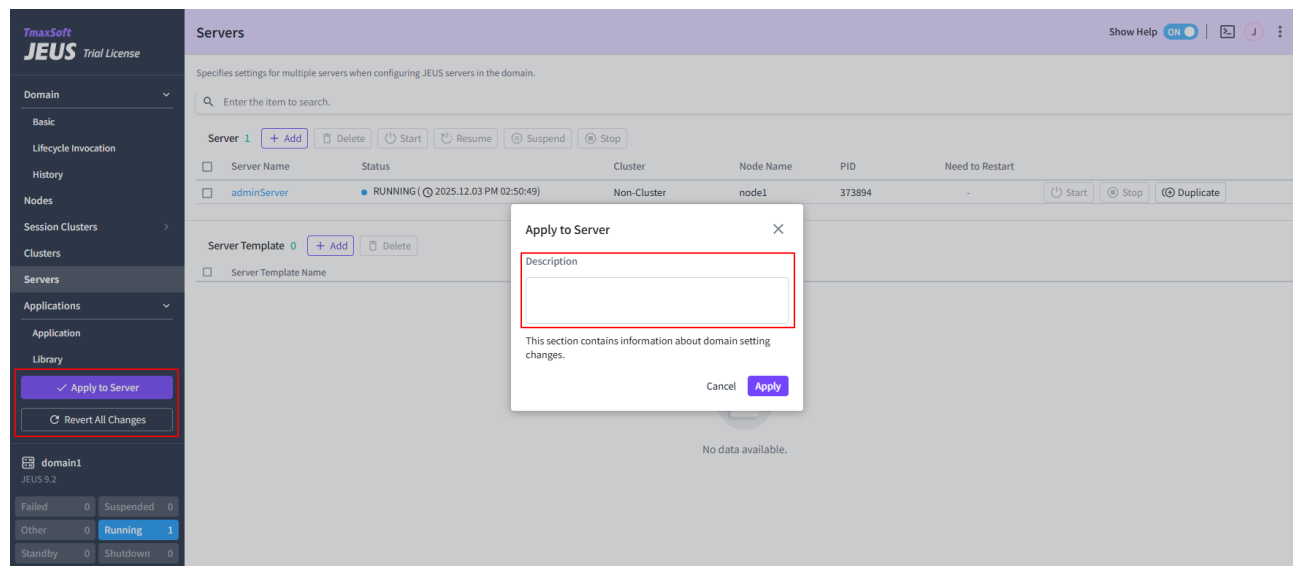
After making changes, click **[Save]** at the bottom to save the modifications temporarily. If you click **[Revert]**, the modifications are canceled.



## Temporary Saving in Lock & Edit State


After making modification, you can revert all changes or apply them to servers using the buttons at the bottom of the menu section. When applying the modifications to servers, you can add a

description of the changes, which will be displayed on the History screen.

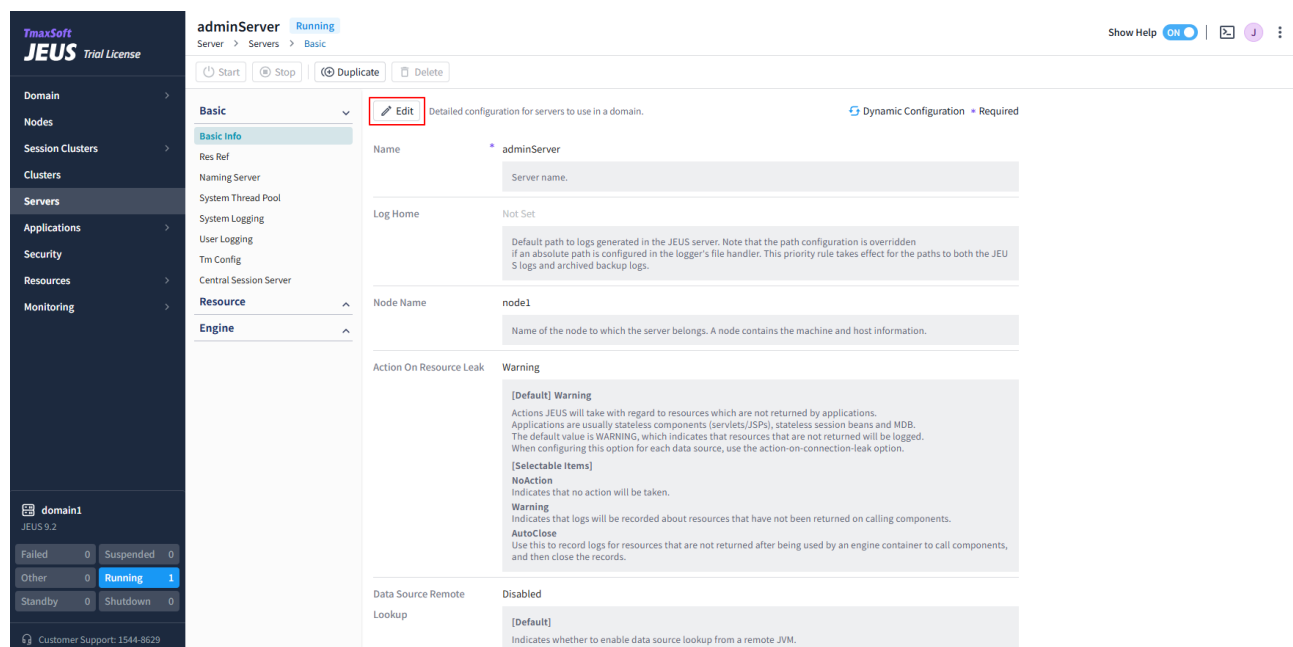


Applying to Servers in Lock & Edit State

## • ② Auto Lock

Click the  icon in the header section to display the **Auto Lock** activation switch.

Auto Lock can be activated only when Lock & Edit is not active. When Auto Lock is enabled, the **[Edit]** button appears on certain settings pages, and clicking it activates edit mode, allowing you to modify settings.



Auto Lock Edit Mode

After making modifications, click **[Save]** to immediately apply the settings to the server. These modifications are not recorded on the History screen.

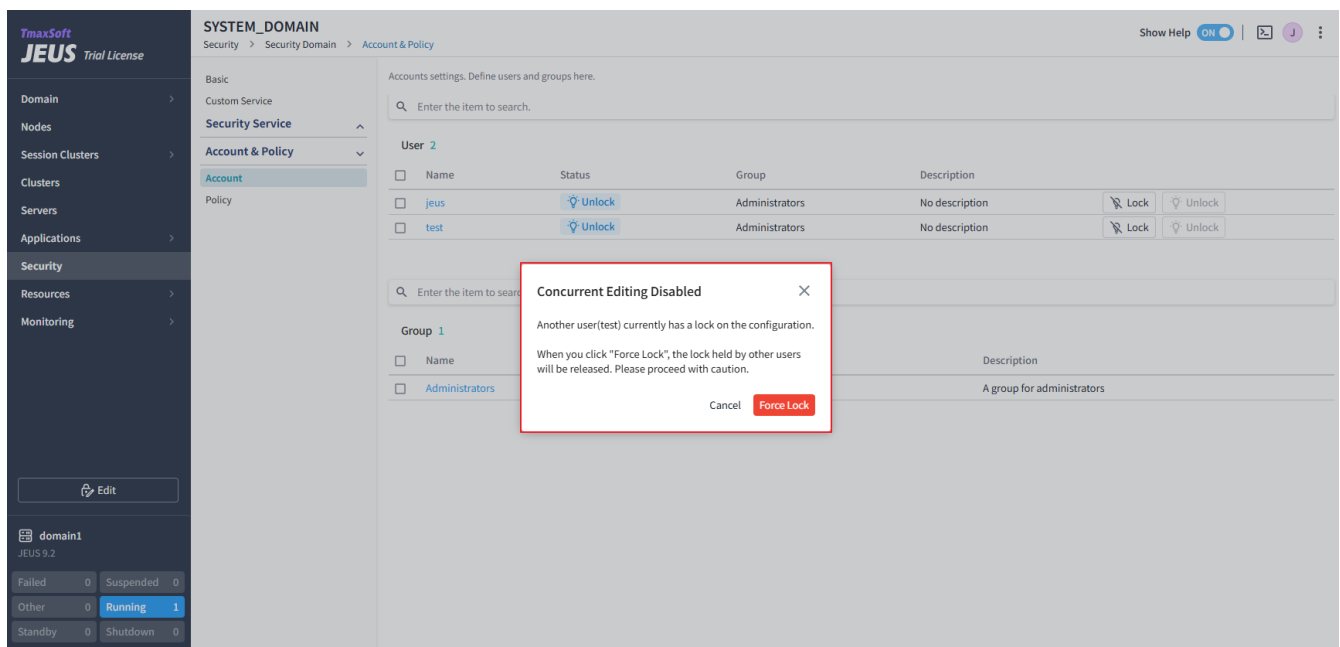
## 2.3.5. Forcible Lock

The lock is assigned per user rather than session, and only the user who holds the lock can modify or cancel the settings.

Click **[Edit]** at the bottom of the menu section to enter the 'Lock & Edit' state, which remains active until you either click **[Apply to Server]** to apply the modifications to servers, or **[Revert All Changes]** to cancel them.

If a user obtains a lock and does not release it, other users cannot edit settings because the lock is not released automatically. To resolve this, other users are allowed to forcibly take over the lock.

If one user is in the 'Lock & Edit' state and another user clicks **[Edit]**, 'Concurrent Editing Disabled' message appears. The second user can then click **[Force Lock]** to forcibly obtain the lock and enter edit mode. In this case, any modifications made by the previous user are discarded, but changes that were already applied to servers are remain intact.



Forcible Lock in Lock & Edit State

## 2.4. Basic Features

### 2.4.1. Adding Configurations

In **Edit Mode**, click **[Add]** above the settings list to add an item.




- On the **Nodes** page, settings can always be added in both read-only and edit modes.
- On the **Security** page, Security Domain settings can be added without obtaining a lock.



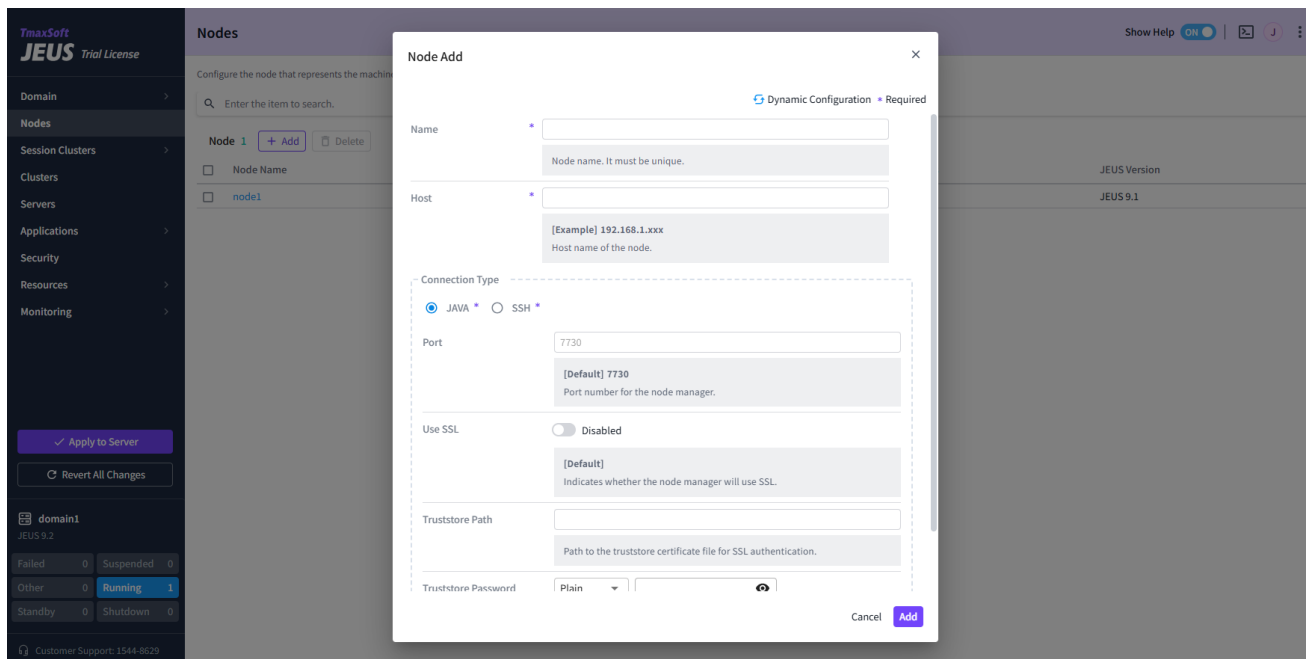
Click **[Add]** to open the 'Add' dialog box. After entering the required settings, click **[Add]** at the bottom to add the item.

Settings are categorized into Basic Settings and **Advanced Options**, the latter of which are not commonly used. Clicking **Advanced Options** expands or collapses the additional settings.



Items marked with an asterisk (\*) are required, and those marked with  indicate dynamic setting items.

※ **Dynamic setting items:** Applied without restarting the server.



Adding Configurations - Adding a Node

## 2.4.2. Displaying Configurations

In read-only mode, configuration information is displayed, and any buttons that cannot be used are disabled.

Basic

Domain > Basic

Show Help

ON

J

Use this page to configure the root domain.

Dynamic Configuration \* Required

ID	* 344351847
Unique ID for a domain. When there are two domains on the same subnet that are configured to run separately in the test and operational modes, the domain IDs must be different even if its names may be the same.	
Jeus Master Server	* adminServer
Name	Name of the JEUS Master Server which manages and monitors managed servers.
Jeus Backup Master	Not Set
Server Name	Name of a backup JEUS Master Server that manages and monitors managed servers.
Domain Log Home	Not Set
Domain log home. This is used by default if a log home is not specified for a server.	
Domain Log File Owner	Not Set
Changes owner of a log file in the domain. If no chown has been set at the individual logger file handler level, this domain-level log file chown will be used for all log files in the domain. It can also be set from each logger file handler setting. The order of permissions precedence is as follows: file handler chown > domain log chown	
Domain Log File	Not Set
Permission	Domain log permission which applies to log files generated in all servers within a domain. If no individual logger file handler level permission has been set, this domain-level permission will be used for all log files in the domain. It can be also set from each logger file handler setting. The order of permissions precedence is as follows: file handler permission > domain log permission

Advanced Options ▾

Displaying Configurations - Domain

## 2.4.3. Modifying Configurations

In [Edit Mode](#), configurations can be modified. However, editing is applied differently for each edit mode.



Manageable features vary by resource and mode based on legacy JEUS operation. This guide does not include those specific details.

- **Auto Lock**

Modify the settings and click **[Save]** to apply the changes to the server. If you click **[Cancel]**, the mode reverts to 'Auto Lock'.

- **Lock & Edit**

Modify the settings, click **[Save]**, and then click **[Apply to Server]** under the menu to apply the changes to server.

If you click **[Revert]**, the changes on the current page are canceled. If you click **[Revert All Changes]** under the menu, all changes on all pages are canceled and the mode returns to 'Read-

only Mode'.

Basic

Domain > Basic

Show Help ON | J

Use this page to configure the root domain. Dynamic Configuration \* Required

ID

344351847

Unique ID for a domain. When there are two domains on the same subnet that are configured to run separately in the test and operational modes, the domain IDs must be different even if its names may be the same.

Jeus Master Server

adminServer

Name of the JEUS Master Server which manages and monitors managed servers.

Jeus Backup Master

Name of a backup JEUS Master Server that manages and monitors managed servers.

Domain Log Home

Domain log home. This is used by default if a log home is not specified for a server.

Explore

Domain Log File Owner

Changes owner of a log file in the domain.  
If no chown has been set at the individual logger file handler level, this domain-level log file chown will be used for all log files in the domain.  
It can also be set from each logger file handler setting. The order of permissions precedence is as follows:  
file handler chown > domain log chown

Domain Log File

Domain log permission which applies to log files generated in all servers within a domain.  
If no individual logger file handler level permission has been set, this domain-level permission will be used for all log files in the domain.  
It can be also set from each logger file handler setting. The order of permissions precedence is as follows:  
file handler permission > domain log permission

Advanced Options

Save

Revert

Modifying - Domain

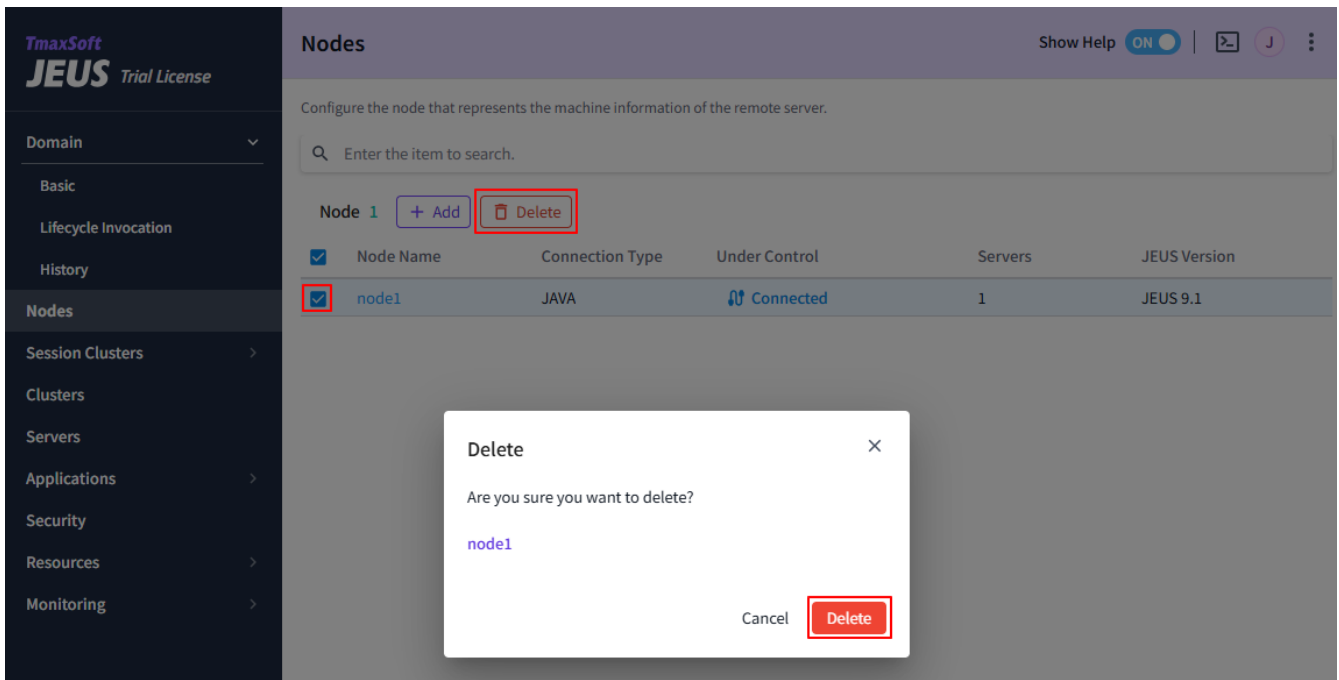
### 2.4.4. Deleting Configurations

In [Edit Mode](#), click **[Delete]** above the configuration list to delete a configuration.



- On the **Nodes** page, configurations can be deleted in both Read-only and Edit modes.
- On the **Security** page, security domains can be deleted without obtaining a lock.

When you select an item to delete in the table, and click **[Delete]**, the **Delete** dialog box opens. Click **[Delete]** to confirm the deletion.

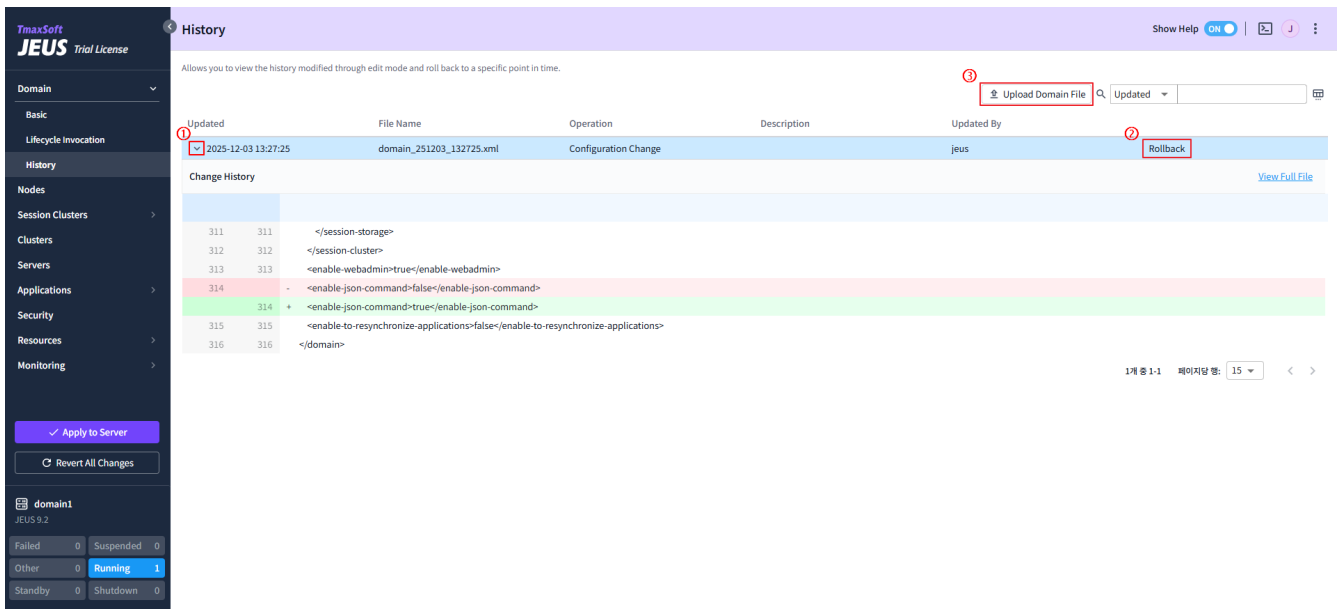


Deleting Configurations - Nodes

## 2.4.5. Displaying Modification History

Click [**Domain**] > [**History**] to view the configuration change history. Only changes made in Lock & Edit mode are shown.

The main features on the **History** page are as follows.



History View

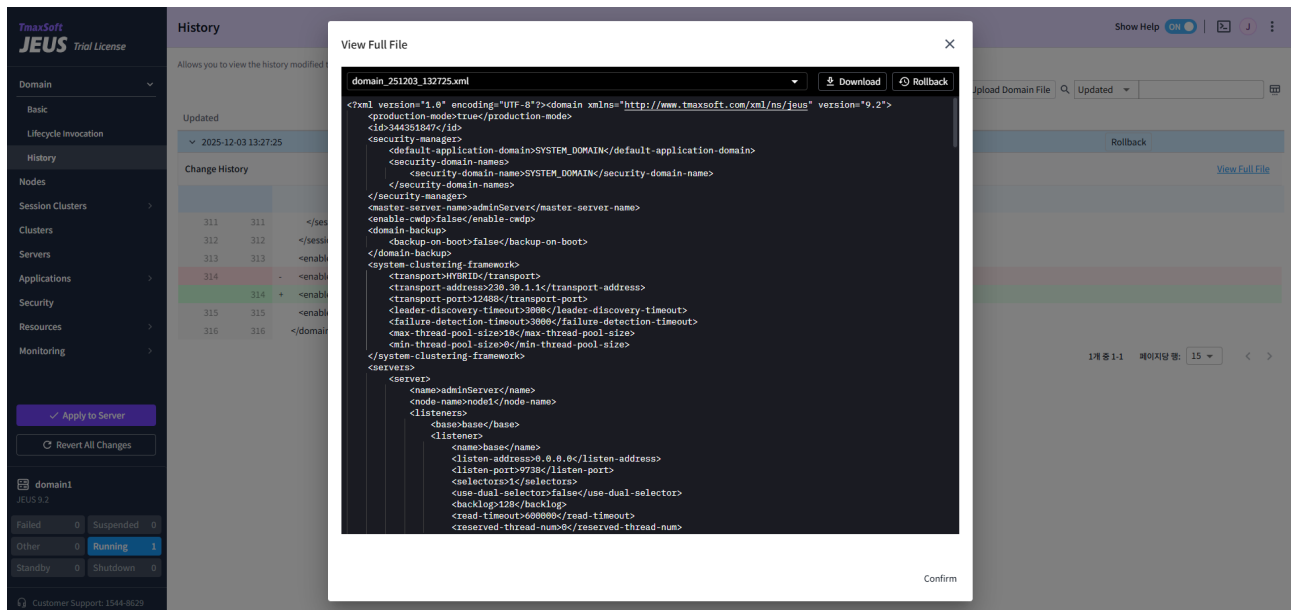
### • ① Displaying Change History

Click [>] to the left of the date in the **Updated** column to view the change details.

If a description was added when the configuration was modified, it is displayed on the **Description** column.

## • ② Rollback

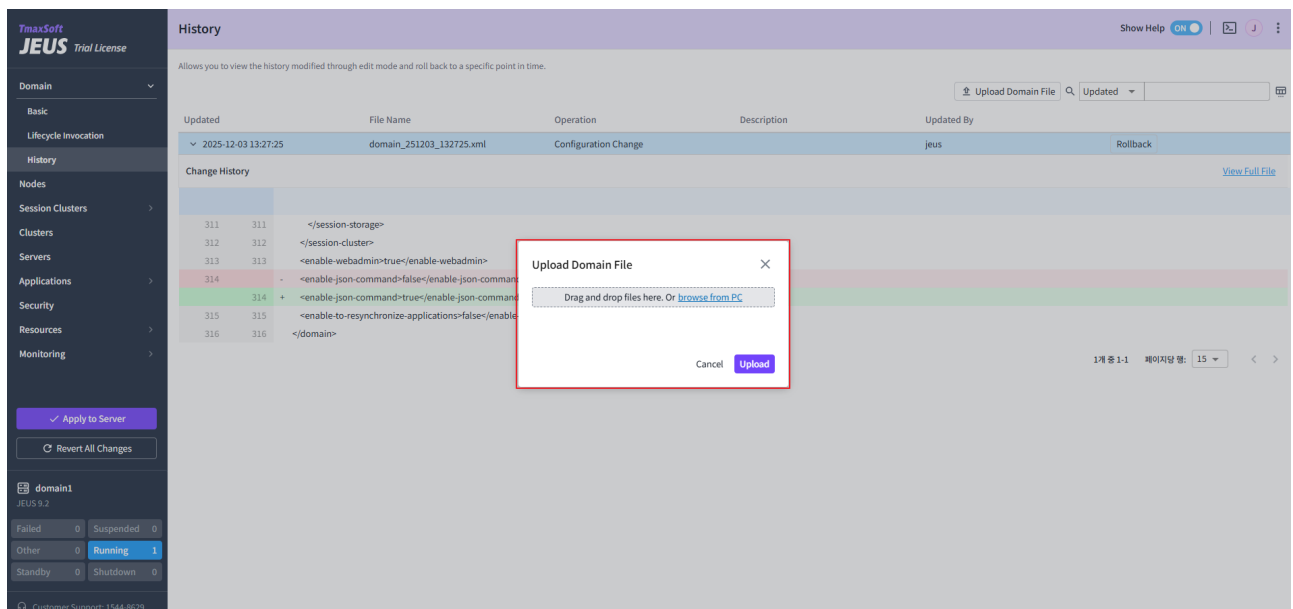
Click **[View Full File]** to open the dialog box.



Click **[Download]** on the upper right side to download the XML file, or click **[Rollback]** to restore the configuration to the version prior to the change.

## • ③ Uploading Domain Files

You can apply configurations by uploading a domain (XML) file directly. The **[Upload Domain File]** button is enabled only in 'Edit Mode'.



If uploaded XML files contain unsupported tags or are from a different version, an error occurs.