

Server Logs Viewer

This chapter covers the following topics:

- About the Server Logs Viewer
 - Preconfigured Server Logs
 - Advanced Usage
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About the Server Logs Viewer

The server logs viewer is preconfigured to view the server logs of the user interface components. All user interface components of a project which has been enabled for Ajax Developer share the same server log. This is described under *Preconfigured Server Logs*.

In addition, the server logs viewer can be used to view all kind of other log files. This is described under *Advanced Usage*.

Preconfigured Server Logs

The **Server Logs Viewer** view is automatically opened when a project is enabled for Ajax Developer. A predefined log viewer is automatically available for this project. To display this predefined log viewer in the **Server Logs Viewer** view, you have to create an entry for it, as described below.

To create an entry for a predefined log viewer

1. In the **Navigator** view, select the project which has been enabled for Ajax Developer.
2. Go to the **Server Logs Viewer** view.
3. Choose the following icon in the local toolbar:



4. In the resulting dialog box, open the **Select a predefined log viewer** drop-down list box and select the predefined log viewer. The name of the predefined log viewer is *<project-name>/Ajax Developer Server Log*.

When you select the predefined log viewer, Ajax Developer automatically sets the correct log location for the project. A predefined filter is used. If you want, you can customize the filter settings. See *Creating a Log Viewer* for further information.

Create new Log Viewer

LogViewer Details

If the log viewer that you want to add is already present in the "predefined log viewer" list then select it to use its settings, else you must enter all the details of the LogViewer manually.

Select a predefined log viewer: MyFirstProject/Ajax Developer Server Log

Description
Ajax Developer Server Log for the selected project.

Log viewer details

Log file to view is fixed:

Name of the log file varies:

Select log file directory: D:\UserProfiles\natural\workspace\..naturalone\apache-tomcat

Log file name pattern: serverLog_\${yyyy}\${mm}\${dd}.log Add pattern: \${yyyy}

Name of the view: MyFirstProject/Ajax Developer Server Log

Refresh interval (in seconds): 5

Log viewer options

Show entire file when first opened for viewing

No, show only specified number of lines when first opened for viewing

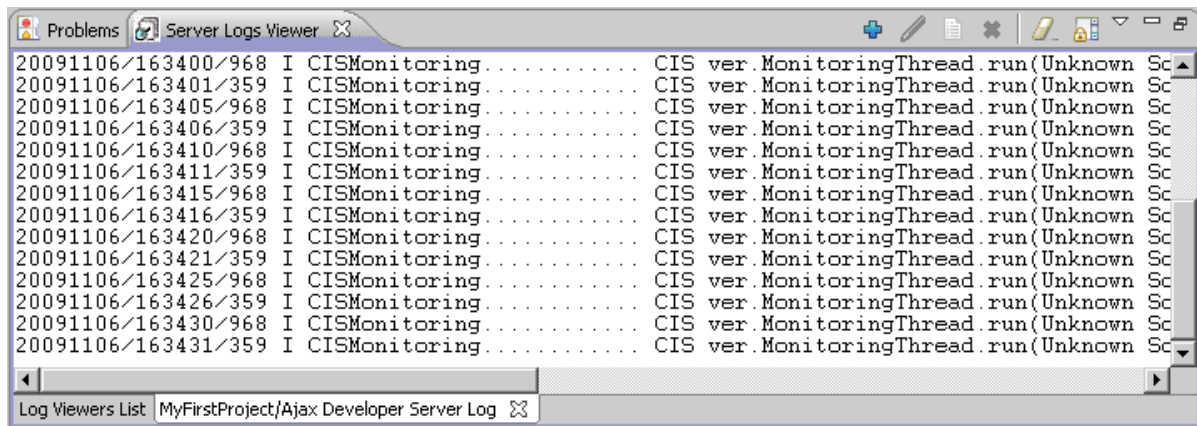
Number of lines to show 10

Line filters

If line CONTAINS "Request consumed" THEN change its style.

5. Choose the **Finish** button.

An entry for the log viewer is now shown in the **Server Logs Viewer** view. When you double-click this entry, the log file is opened. See also *Opening a Log Viewer*.



Advanced Usage

The server logs viewer can also be used to view other log files, for example, the server logs of the Tomcat server. The server logs viewer can be used to view single or multiple log files. A log file records activities and operations that occurred on a server/computer, maintaining an operational history of these activities. A log file is identified by its *.log* extension.

A log viewer allows the user to:

- Specify refresh intervals.
- Specify the number of lines to be displayed from a file.
- Customize the way to view files by specifying filter conditions.
- Save the log files added in the viewer so that the user is able access them easily the next time.
- Provide extension points so as to enable other Eclipse plug-ins to contribute their log files for viewing.

The following topics are covered below:

- Opening the Server Logs Viewer
- Creating a Log Viewer
- Editing a Log Viewer
- Opening a Log Viewer
- Removing a Log Viewer

Opening the Server Logs Viewer

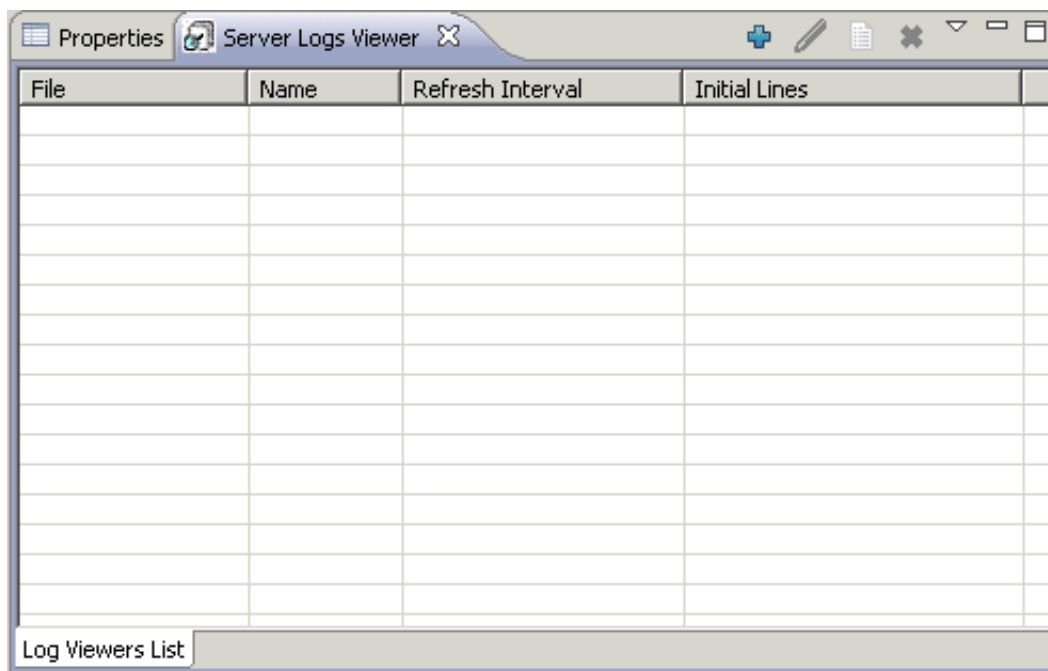
The **Server Logs Viewer** view is automatically opened when a project is enabled for Ajax Developer.

When this view is not active, you can open it as described below.

▶ **To open the server logs viewer**

1. From the **Window** menu, choose **Show View > Other**.
2. In the resulting **Show View** dialog box, expand the **Ajax Developer** node and select **Server Logs Viewer**.
3. Choose the **OK** button.

The following view appears.



Creating a Log Viewer

You can create an entry for a new log viewer by using the settings of an existing log viewer (for example, of the predefined log viewer) and then modifying the settings according to your requirements.

▶ **To create an entry for a new log viewer**

1. Go to the **Server Logs Viewer** view.
2. Choose the following icon in the local toolbar:



The following dialog box appears.

Create new Log Viewer

LogViewer Details

If the log viewer that you want to add is already present in the "predefined log viewer" list then select it to use its settings, else you must enter all the details of the LogViewer manually.

Select a predefined log viewer: **New LogViewer**

Description

Log viewer details

Log file to view is fixed: **Browse...**

Name of the log file varies:

Select log file directory: **Browse...**

Log file name pattern: Add pattern: **+**

Name of the view:

Refresh interval (in seconds):

Log viewer options

Show entire file when first opened for viewing

No, show only specified number of lines when first opened for viewing

Number of lines to show

Line filters

Add Filter **Remove All** **Remove**

Finish **Cancel**

3. Specify the following information:

Select a predefined log viewer

To create a new log viewer, keep the default value **New Log Viewer**.

If you want to use an existing log viewer as the basis for the new log viewer, select it from this drop-down list box. The description for the selected log viewer is then shown in the **Description** text box.

Log file to view is fixed

Select this option if the log file that must be viewed is fixed, that is, if its name does not change. The log viewer will view/read this file every time. Use the **Browse** button to select the log file.

Name of the log file varies

Select this option if the name of the log file changes on some criteria. For example, if the name of the log file contains a timestamp which is changed daily, the name of the log file also varies daily. Specify the following information in this case:

Option	Description
Select log file directory	Use the Browse button to select the directory containing the log files. For example, <code><myworkspace>\.naturalone\apache-tomcat\logs</code> for the log files of your local Apache Tomcat.
Log file name pattern	Specify the date pattern of your log files. For example, <code>catalina.\${yyyy}-\${mm}-\${dd}.log</code> for the log files of your local Apache Tomcat. Note: Ensure that you know the log file naming conventions used in your application before specifying this information.
Add pattern	Select the date format from the available options in the drop-down list box. Choose the button containing the plus sign to add each pattern to the Log file name pattern text box.

Name of the view

Enter a name to identify this viewer.

Refresh interval (in seconds)

The log viewer refreshes the view as per the interval you specify here.

Log viewer options

Choose the option to either view the entire log file or only a specified number lines when first opened for viewing. If you select the latter option, you need to specify the number of lines to be displayed.

Line filters

Choose the **Add Filter** button if you wish to add filters to the log files you view. Using these features, you can filter lines based on some conditions such as skipping the entire line or changing the display style in the view.

You add the line filters in the resulting dialog box. For example, to view a line highlighted in black and the font color as green, specify the following:

1. From the **If line** drop-down list box, select **Contains text** and enter "Info" in the text box.
2. Select the **Change the style of the line** option button.

3. Choose the **Foreground color** button and select the color green.
4. Choose the **Background color** button and select the color black.
5. Choose the **OK** button.

The following information is then shown:

```
If line CONTAINS "Info" THEN change its style.
```

To remove the selected line filter or all line filters, choose either the **Remove** or **Remove All** button.

4. Choose the **Finish** button.

Editing a Log Viewer

When you edit a log viewer, the same information is shown as when adding a new log viewer.

To edit a log viewer

1. In the **Server Logs Viewer** view, select the log viewer that you want to edit.
2. Invoke the context menu and choose **Edit Log Viewer**.

Or:

Choose the following icon in the local toolbar:



A dialog appears.

3. Modify all required information as described in *Creating a Log Viewer*.

In edit mode, it is not possible to change the log file to be viewed. The corresponding options are disabled.

4. Choose the **OK** button.

Opening a Log Viewer

When you open a log viewer, it is shown on a separate tab of the **Server Logs Viewer** view. It shows the contents of the defined log file.

To open one or more log viewers

1. In the **Server Logs Viewer** view, select the log viewers that you want to open.
2. Invoke the context menu and choose **Open Log Viewer(s)**.

Or:

Choose the following icon in the local toolbar:



Or:

If you want to to open a single log viewer, you can simply double-click it.

A separate tab for each selected log viewer is provided in the **Server Logs Viewer** view.

If you want to remove such a tab, choose the close button that is shown next to the tab name.

Removing a Log Viewer

When you remove a log viewer, it is no longer shown in the **Server Logs Viewer** view.

To remove one or more log viewers

1. In the **Server Logs Viewer** view, select the log viewers that you want to remove.
2. Invoke the context menu and choose **Remove Log Viewer(s)**.

Or:

Choose the following icon in the local toolbar:



A dialog appears, asking whether you really want to remove the selected log viewers.

3. Choose the **OK** button.