

Using IxLoad on Linux

Release 9.00

Notices

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Ixia headquarters

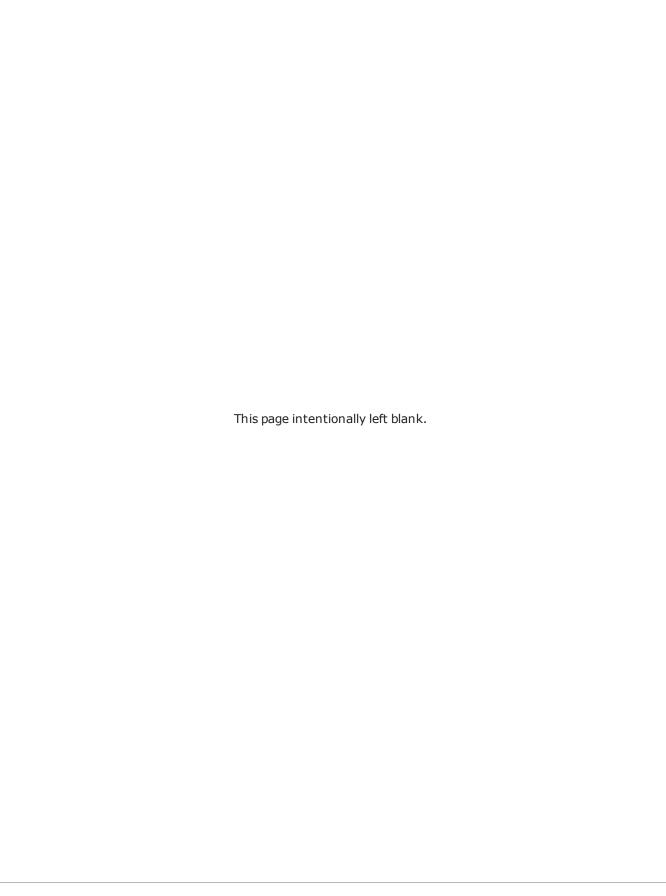
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Introduction

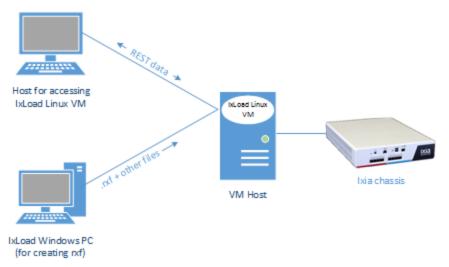
IxLoad can be used on Linux through the IxLoad REST API. Most, but not all, of the features supported from the REST API on Windows are also supported on Linux. See IxLoad Features not supported from REST on Linux on the next page for details.

To use IxLoad on Linux, Ixia supplies VM images in two formats:

- OVA
- QCOW2

Both images have the following software pre-installed:

- IxLoad middleware (infrastructure software only, no UI support)
- IxLoad REST gateway service



Workflow

The workflow for using IxLoad on Linux is:

- 1. Create a test in the IxLoad GUI, and save the .rxf file.
- 2. Deploy the OVA or QCOW2 image and start the VM.
- 3. Connect to the IxLoad REST gateway service on the VM.
- 4. Upload the rxf and supporting files to the VM.
- 5. Use the REST API to issue commands to start and run the test.

This section describes this workflow.

IxLoad Features not supported from REST on Linux

- Creation of repositories (you can only run existing repository (.rxf) files, you cannot create them from Linux)
- AppLibrary protocols
- Resource Manager
- Profiles (e.g. Real files)
- IxReporter
- Creating or editing voice scenarios
- Creating or editing Diameter scenarios (except for importing/exporting XML files, which is supported)

Part 1: Create the Test

- 1. On a Windows PC with the IxLoad client installed, create the test that you want to run.
- 2. Save the test repository (.rxf) file, along with any supporting files (sample audio files, traffic capture files, etc.) that the test requires in a location that can be accessed from the VM.

Part 2: Deploy the image

Deploy the OVA or QCOW 2 image:

OVA

- 1. Use the hypervisor of your choice to deploy the OVA, and start the VM.
- 2. Use the hypervisor's console to find the IP address of the VM.

QCOW2

The QCOW2 image is embedded in a shell (.sh) script. This image is pre-configured with 4 vCPUs and 8 GB RAM. The name of the script identifies the image's IxLoad release. For example, for the 8.50 EA release, the script name is IxLoad-8.50.0.465.sh.

Prerequisites

- To import the QCOW2 image, the IxLoad .sh file must be executable.

 Use the following command to change the permissions:

 chmod +777 IxLoad-{version}.sh
- The following tools must be installed on the Linux system where you are extracting the QCOW2 image from the .sh file:
 - virt-install
 - libvirt

Deploying the image

Based on the platform type you are using, use one of the following procedures to deploy the image:

KVM	OpenStack
To import the QCOW2 image on KVM: Execute the IxLoad- <version>.sh script. After you accept the EULA terms, the script will extract and deploy the QCOW2 image.</version>	To import the QCOW2 image on OpenStack: 1. In any Linux environment, use the following command to accept the EULA terms and then extract the QCOW2 image:

Part 3: Connect to the VM and Upload the Test

- 1. Using a browser extension or application (such as PuTTY), establish an SCP connection to the VM. When you connect to the VM, the default path is automatically set to a shared folder intended for transferring test files to and from the VM.
- 2. Upload the .rxf file and any supporting files to the VM. The maximum size of a file you can upload is 1GB.

There are two ways to upload files:

- Though a script
- Through a remote file browser

Script method

To upload files from a script, the IxLoad REST API includes the uploadFile operation. You must create a script that includes uploadFile. You can use any scripting language that has libraries capable of HTTP file upload requests (such as httplib on Python). You cannot use a GUI REST client to upload files.

IxLoad includes a sample Python REST script, IxLoadUtils.py, that demonstrates the use of uploadFile. IxLoadUtils.py and other sample REST scripts are stored on the IxLoad client installation path, in a subfolder named RestScripts.

To upload a file, the script executes a POST request on the following URL:

http://127.0.0.1:8080/api/v0/resources

The uploadFile operation in the script takes three parameters:

filename	represents the path of the local file to be uploaded to remote location
uploadPath	represents the path relative to the shared folder (/mnt/ixload_share) on the Linux VM.
	For example, if the upload path is:
	uploads/SimpleRun.rxf
	the file will be uploaded to:
	/mnt/ixload_share/uploads/SimpleRun.rxf
overwrite	determines whether or not an existing file on the remote location with the same name as the uploaded file is overwritten. The default value is true.

The image below shows an example of a script that uses the uploadFile operation.

For full information on uploadFile and the other IxLoad REST commands, see the IxLoad REST API Guide (available from the Ixia website: https://support.ixiacom.com/user-guide).

Remote file browser method

You can upload files using a remote file browser. To use this method, connect to /mnt/ixload_ share and pass the following credentials:

Username:	ixload
Password:	ixia123

Part 4: Run the Test

- 1. Start the REST client you want to use for the test.
- 2. Issue the REST commands to start and run the test. For information on the REST commands, see the *IxLoad REST API Guide* (available from the Ixia website: https://support.ixiacom.com/user-guide).

When used on Windows, REST API calls that operate on files (such as the .rxf file) require the full path to the file. The same is true on Linux -- you must use the full path to the file. The file path on the VM always begins with /mnt/ixload-share. Uploading programatically (i.e., from a script) or from a remote file browser must be done from this location.

For example, the loadTest operation loads the rxf file.

On Windows, the path might be:

```
{"fullPath": "C:\\path\\to\\files\\myTest.rxf"}
```

On Linux, the path might be:

```
{"fullPath":"/mnt/ixload-share/myTest.rxf"}
```

If the .rxf file includes references to any other files, make sure these files are also uploaded in the shared location on the VM. If the files referenced from the .rxf have absolute paths, you must modify them (for example, by doing a PATCH request) to point to their new location on /mnt/ixload-share.

Using the Web UI

The IxLoad Linux OVA and qcow2 images include the IxLoad Web UI, an IxLoad GUI that you access from a web browser.

The Web UI uses the IxLoad REST API for all of its functions, meaning that all IxLoad Web UI sessions are IxLoad REST sessions.

The Windows version of IxLoad does not include the Web UI.

Supported features

You can perform the following functions in the IxLoad Web UI:

- · Launch and connect to an IxLoad Web session
- · Load (and upload) configuration files in the IxLoad Web session
- Add new chassis to the configuration
- Remap ports
- Modify L47 activity objectives and timeline options
- Enable Analyzer on ports
- Launch the IxLoad API Browser (which allows you to view and change the IxLoad traffic configuration)
- View IxLoad logs in real time
- Run a test
- View real time statistics
- Download port capture files locally

The scenario editor is not available in the Web UI, so there is no visual representation of the NetTraffics and L2-3 and L4-7 activities. Instead, you can use the API Browser in the Web UI to view and change these parameters.

Authentication

In the IxLoad Web UI, authentication depends on the interaction between three separate components:

- The authentication controls in the Web UI
- IxLoadGateway
- Ixia User Management

The following sections describe how each of these components affects authentication in the Web UI.

Web UI Authentication

The IxLoad Web UI can use either of two authentication modes:

- Local
- Ixia User Management

The controls configuring authentication in the Web UI are on the Authentication page.

Local authentication

Under Local authentication, only one username can be used: the pre-configured admin user. Every session that is open in the Web UI is open under the admin user's credentials. Every user that connects to the IxLoad Linux VM's IP address can see all the currently open sessions because they are all logged on as the admin user.

Local authentication is the default mode, and is automatically selected when a new IxLoad Linux VM is deployed.

Ixia User Management authentication

Under Ixia User Management authentication, users must log into the IxLoad Web UI using their Ixia User Management usernames and passwords. Each user can only see the IxLoad Web UI sessions they have opened.

Under Ixia User Management authentication, the default admin username cannot be used to create IxLoad Web UI sessions. It can only be used to log on, enable or disable authentication, and manage sessions (including ending other users' sessions).

Web UI and IxLoadGateway

The IxLoadGateway service controls REST sessions' access to the IxLoad application. The IxLoad Web UI works with the IxLoadGateway service and Ixia User Management to manage authentication.

If you change the authentication mode in the IxWeb UI, that change is also automatically made to IxLoadGateway.

IxLoadGateway can run in either of two modes:

- No authentication
- · Authentication through Ixia User Management

No authentication

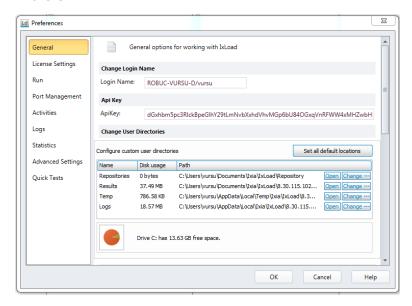
In No authentication mode:

- Any user can make REST requests to create a new IxLoad REST API session.
- Any user can view, modify, or delete any REST API session.

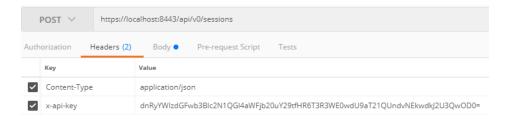
Authentication through Ixia User Management

With authentication enabled in Ixia User Management, you must provide an API Key when making REST API calls.

You can retrieve the API Key from the Ixia User Management server or from the IxLoad UI, after logging in the UI.



The API Key must be provided in the x-api-key header of the REST API request, as in the following image:



After creating a REST API session in authenticated mode, only the user that created it (that is, only requests that provide the correct api key) can browse that session data model.

All requests to the URLs /sessions and /sessions/X are allowed with or without an api-key. URLs starting with /sessions/X/ixload require an api-key.

Enabling authentication in IxLoadGateway

On Windows, IxLoadGateway authentication is enabled from the IxLoad installer. Run (or rerun) the installer and select the option for authentication through IxLoadGateway.

On Linux, authentication is enabled or disabled by running the following commands:

Enable authentication	<pre>bash /opt/ixia/ixloadgateway/configRestAuth.shum-address x.x.x</pre>
Disable authentication	bash /opt/ixia/ixloadgateway/configRestAuth.shdisable-auth

Ixia User Management

Ixia User Management provides authentication to a number of Ixia applications.

To use User Management authentication in the IxLoad Web UI, the Web UI host must have access to a User Management server.

In User Management, users belong to groups, and groups have permissions. The group permissions determine what the users in the group can or cannot do.

- To log into the Web UI, a user must belong to a group that has either Read-only or Full Access permission in User Management.
- To be an an administrator in the Web UI, a user must belong to the User Managment group in the Web UI as the Admin group (see <u>Authentication on page xli</u>).

If you want to use User Management to manage access to the Web UI, you must:

- 1. Have access to an existing User Management server, or deploy a new one.
- 2. Configure the Web UI to use the User Management server for authentication.

This section describes how to deploy and configure a User Management server for use with the Web UI.

To configure Web UI authentication, see Authentication on page xli

Deploying Ixia User Management and logging in

The UM server is supplied as an OVA VM image, and is available from the Ixia software download page. The version required for IxLoad Web UI integration is 1.0.0.55 or later.

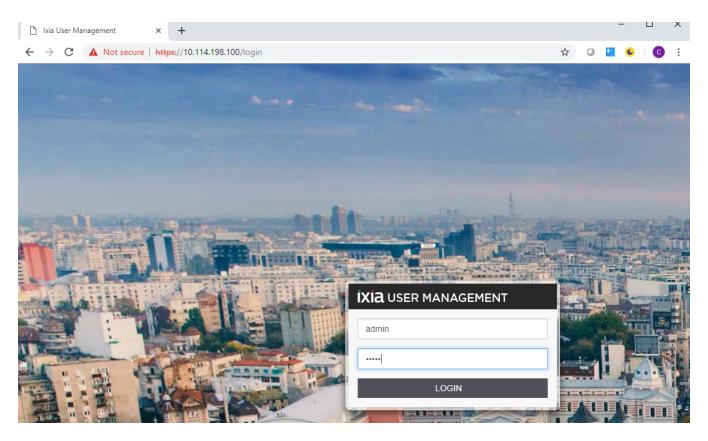
To deploy Ixia User Management and log in:

- 1. Deploy the UM OVA.
- 2. Start the VM.
- 3. Open the console window, and login with the following credentials:

Username:	ixia
Password:	bJXINge7eF82

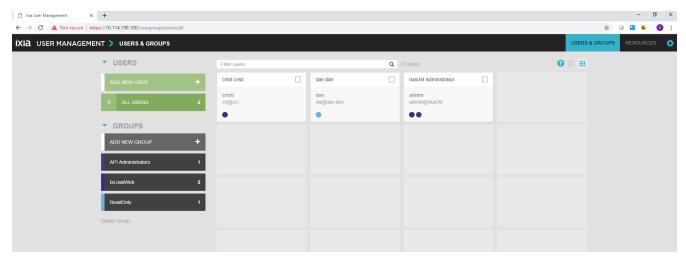
- 4. Use ifconfig to retrieve the IP address of the UM server.
- 5. Open a web browser, and login to the UM server with the following credentials:

Username:	admin
Password:	admin



Configuring User Management for IxLoad Web UI authentication

After you log in to the Ixia UM server, the Users & Groups page displays.



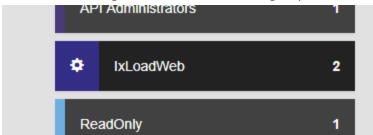
In the center of page, the users configured on the UM server are listed.

On the left side under Groups, the groups configured on the UM server are listed.

Every group has one or more users in it, and a set or permissions assigned to it, which apply to the users in the group.

To configure User Management for IxLoad Web UI authentication:

- 1. Select the group that you want to use for authentication in the IxLoad Web UI. If the group does not exist, create it.
- 2. Select the Settings icon to the left of the group name.



The group's permissions display.

3. Ensure that the group has the API-Read permission, which allows the group's users to log in to the IxLoad Web UI.



- 4. If necessary, add users to the group.

 If the user that you want to allow to access the IxLoad Web UI does not exist, create it.
- 5. When you are finished, log out of Ixia User Management.

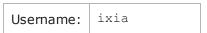
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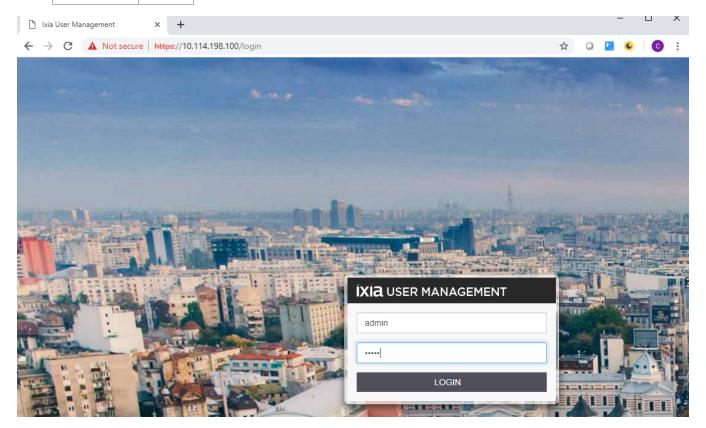
- 1. Deploy the User Management OVA.
- 2. Start the VM.
- 3. Open the console window, and login with the following credentials:



Password: bJXINge7eF82

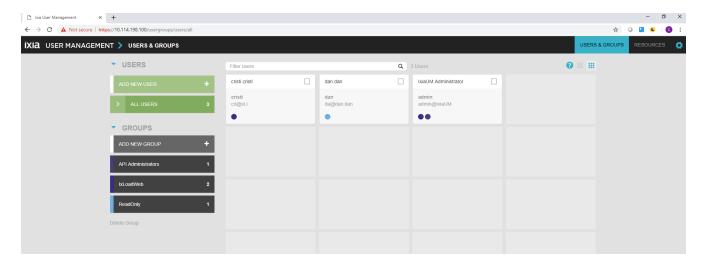
- 4. Use ifconfig to retrieve the IP address of the User Management server.
- 5. Open a web browser, and login to the UM server with the following credentials:

Username: admin
Password: admin



Configuring User Management for IxLoad Web UI authentication

After you log in to the Ixia UM server, the Users & Groups page displays.



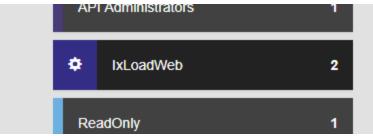
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4.	If necessary, add users to the group.	
	If the user that you want to allow to access the IxLoad Web UI does not exist, cre	ate it.

Authentication and the API Browser

You can use the API Browser to view the current REST API (and Web UI) sessions that are open on the IxLoad Linux VM.

- If the Web UI uses Local authentication, the API Browser can display any open session that is open on the VM.
- If the Web UI uses Ixia User Management authentication, all the sessions open on the VM appear in the API Browser dropdown list, but you can only view the sessions open under your username.



Workflow

The workflow for running a test in the Web UI is:

- 1. Start the IxLoad VM, and connect to the Web UI.
- 2. Select a test configuration, then create a test session for it.
- 3. Select the ports for the test.
- 4. Start the test, and view the statistics.

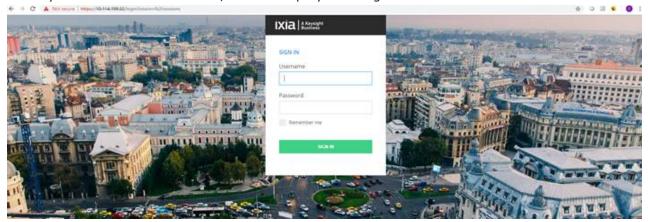
Connecting to the Web UI

To connect to the Web UI:

- 1. Start the IxLoad VM.
- 2. In a web browser's URL field, enter the IxLoad VM's IP address.
 - Note: The Web UI listens on the default HTTPS port (443).



When you connect to the Web UI, IxLoad displays the Sign In window.



3. Enter the following credentials:

Username	admin
Password	admin

then click Sign In.

If this is the first time you have logged into the Web UI, it prompts you to change the password. The default authentication mode is Local authentication. To change the authentication mode, select the Administration option on the main dashboard. For more information about authentication, see Authentication on page xv.

Creating a new session

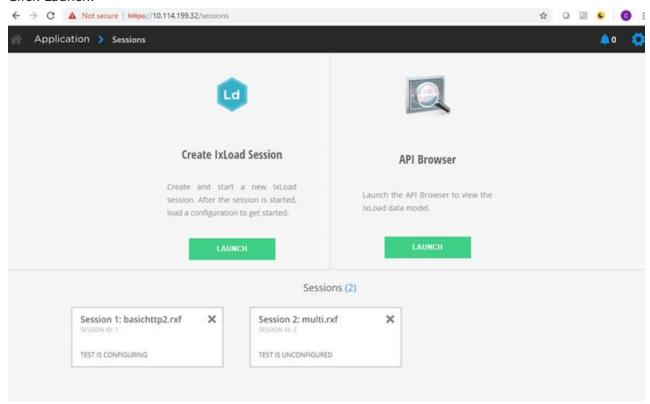
After you login, the Sessions window displays.

The Sessions window displays the sessions that are currently in progress, and allows you start a new session.

For sessions in progress, a card displays their status, and the name of the configuration file they are using. You can click on a session's card and display its configuration page, which allows you to view the currently loaded .configuration file or select a new one.

To create a new session:

1. Click Launch.



2. Specify the .test configuration file to use.

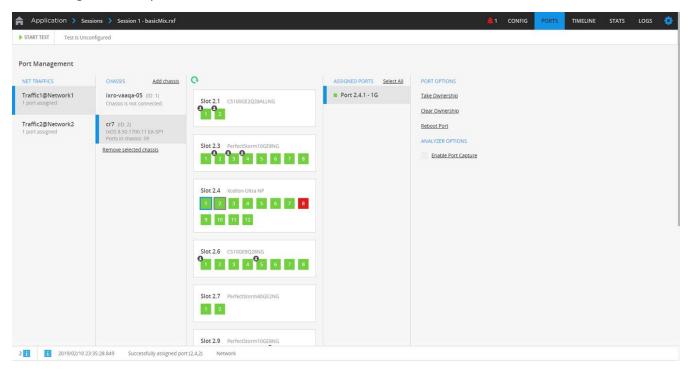
Choose one:

То	Do this:
Load a recently used file (a file that is already on the Linux VM).	Choose a file from the list, then select OK.
Upload an .rxf or .crf file from the local machine to the Linux VM.	 a. Select Browse. b. Choose an .rxf or.crf file, then select OK. IxLoad uploads the file from the local machine to the Linux VM. If you selected a .crf file, IxLoad uploads it to the VM, and then extracts it in .rxf format.

То	Do this:
Manually enter the path to a file on the VM.	a. Select Server path.b. In the field, enter the absolute path of a configuration file (.rxf or .crf) that already exists on the Linux VM.c. Select OK.

Ports

The Ports option in the navigation bar displays the Port Management page, which allows you to view and manage the test ports.



NetTraffics

The NetTraffics column lists the NetTraffics currently being used in the test, and the number of ports assigned to each NetTraffic.

Chassis

The Chassis column contains a list of chassis, along with their name, ID, number of ports, and the IxOS version.

Adding a Chassis:	To add a chassis, click Add Chassis.
Removing a Chassis:	To remove a chassis, select the chassis, then lick Remove Selected Chassis.

Cards and Ports

The Cards and Ports column displays all the cards contained in the selected chassis. For each card, Web UI displays its card ID, the card type and all the ports.

Ports display as either green or red:

Green	Port is link up
Red	Port is link down

If a port is owned by a user, an icon displays in the upper left corner. To view the owner's name, hover over the port:



To refresh the chassis display, click the Refresh icon at the top-left of the column.

Assigned Ports

The Assigned Ports column displays the ports assigned to the selected NetTraffic.

The Port Options column contains the commands you use the manage the ports on the chassis:

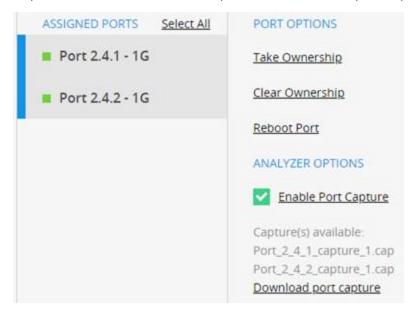
Take Ownership	Select the ports you want to take ownership of, then click Take Ownership.
Clear Ownership	Select the ports you want to release ownership of, then click Clear Ownership.
Reboot Port	Select the ports you want to reboot, then click Reboot Ports.

Analyzer Options

The Analyzer Options control the capture of traffic on the ports.

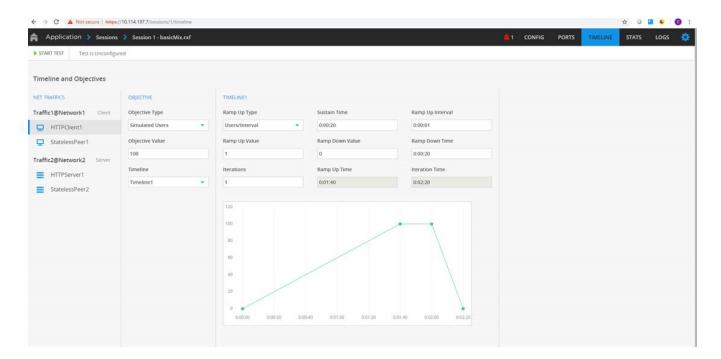
If you select Enable Port Capture, traffic to and from all the selected the ports is captured during the test and saved on the VM.

After the test has been run and the captures have been saved, a button displays below the Enable Port Capture checkbox that enables you to download the port capture files from the VM.



Timeline and Objectives

The Timeline and Objectives option in the navigation bar enables you to set the test objective and configure the test timing.



NetTraffics

The NetTraffics column displays the NetTraffics currently being used in the test and the L4-7 activities in each NetTraffic.

Objective

The Objective column contains the Objective Type, Objective Value and Timeline associated with the activity selected in the NetTraffics column. To change objective type, select a new objective from the list.

Timeline

The Timeline column displays the parameters that define the timeline of the selected activity. The chart displays how the objective value will be applied based on the timeline options.

To change the timeline, select a new timeline from the list, or select New Timeline to create a new timeline.

Note: In the WebUI, you can only select or edit basic timelines. If you need to select or edit an advanced timeline, you can use the REST API.

Running a test

You use the Start and Stop buttons at the top of the page to control a test:

To run a test, click Start Test.

To stop a test, click Stop Test.

The status bar next to the Start/Stop buttons display the test's current status, and when the test starts, its progress. Test status can be :

Unconfigured	Test is not running.
Configuring	Test configuration is being loaded onto ports.
Starting Run	Test starting to send traffic.
Cleaning	Test is removing configuration from the ports.



When the test enters the Running stage, a progress bar and the elapsed time displays.



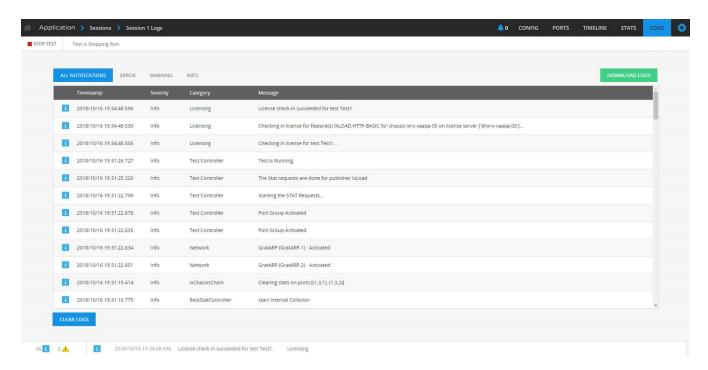
Logs

The log area at the bottom of the Web UI pages displays a running count of the number of Info/Warning/Error messages, and the text of the most recent message.



If you click on the log area, the Logs page displays.

The Logs page contains a table that contains all of the logged event messages.



You can sort the messages by column, and filter them by message type:

Sorting log messages

To sort the messages, click on the column headings.

Timestamp	Date and time event occurred
Severity	Seriousness of event: (Info/Warning/Error)
Category	Component that message applies to
Message	Text of message

Filtering log messages

To filter the messages, click the Severity of the messages that you want to filter for.

Downloading log files

To download the log to the local system, click Download Logs. Log files are in .csv format.

Clearing the log

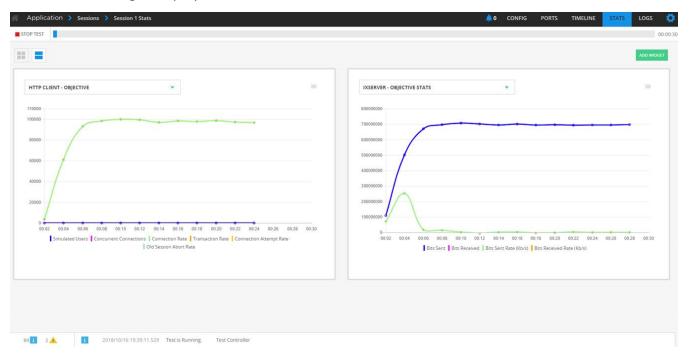
To remove all the entries from the log, click Clear Logs.

Statistics

The Statistics page contains two charts that are populated with statistics in real time as a test runs.

The chart on the left displays per-protocol statistics.

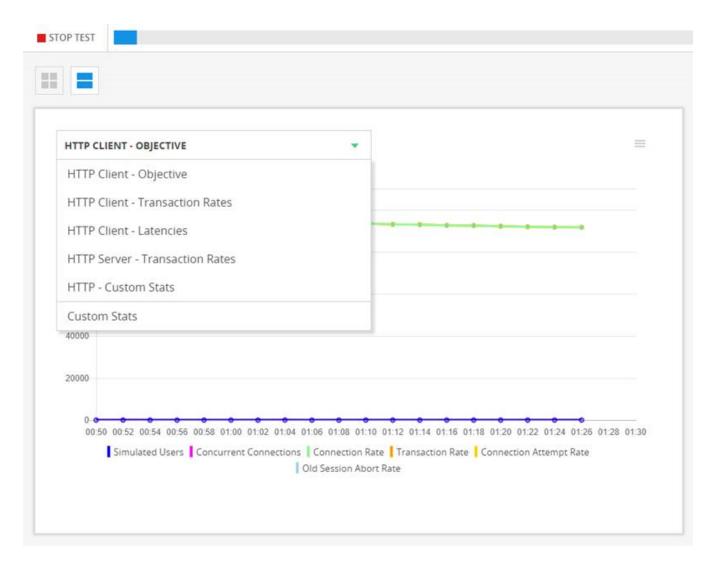
The chart on the right displays IxServer statistics.



To display a different view of statistics:

- 1. Click the drop-down button.
- 2. Select a new view from the list.

 You can select from a set of predefined views, or you can select a custom view.



Custom views

To display a custom view:

CUSTOM STATISTICS VIEW Available statistics Selected statistics HTTP Server HTTP Server HTTP Requests Received HTTP Requests Failed HTTP Requests Successful HTTP Requests Failed (50x) HTTP Requests Failed HTTP Requests Failed (404) HTTP Requests Failed (50x) HTTP Requests Failed (Write Error) HTTP Requests Failed (Aborted) HTTP Sessions Rejected (503) HTTP Client Per URL OK CANCEL

1. Select Custom Stats from the drop down.

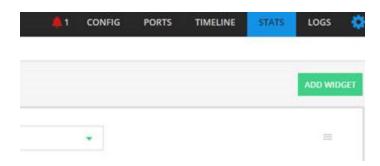
The Custom Statistics View window displays.

2. Select a statistic in the Available Statistics list, then click the > button to move it into the Selected Statistics list.

To remove a statistic from a custom view, select it in the Selected Statistics list, then click the < button to move it back to the Available Statistics list.

Adding Widgets

You can add widgets to the Statistics view that enable you to analyze the statistics from a test.



To add a widget:

- 1. On the Statsitics view, select Add Widget.
- 2. Choose the widget you want to add, then click OK.

Settings

The settings menu contains commands the enable you to configure aspects of the IxLoad Web UI, to upload and download files, to display the help, and to logout.

File operations

You can upload files from the host where you are using the WebUI to the Linux VM, or download files from the VM to the host.

Uploading files

To upload a file:

- 1. Select Config | File operations | Upload File.
 - The Upload File window displays.
- 2. Select Browse, then select the file to upload.
- 3. In the Server path for the file field, you can specify a path for the file.

If you do not specify a path, the file is saved to the default upload path: /mnt/ixload-share/ To specify a different path, specify the path relative to

```
/mnt/ixload-share/.
```

For example, if you specify:

config/test/

the file is saved to:

/mnt/ixload-share/config/test/

Downloading files

To download a file:

- 1. Select Config | File operations | Download File.
 - The Download File window displays.
- 2. In the Server path for the file field, specify the file and optionally, the path for the file (you can use the REST API to find the path and filename if you do not know them).

If you do not specify a path, IxLoad expects the file to be on the default upload path: /mnt/ixload-share/

If the file is on a different path, specify the path relative to /mnt/ixload-share/.

For example, if the file and path is:

/mnt/ixload-share/config/test/sp 2activities.rxf

specify the file and path as:

config/test/sp 2activities.rxf

My Account

The My Account page displays information about the account you used to login to IxWeb UI.

Select Settings | My Account.

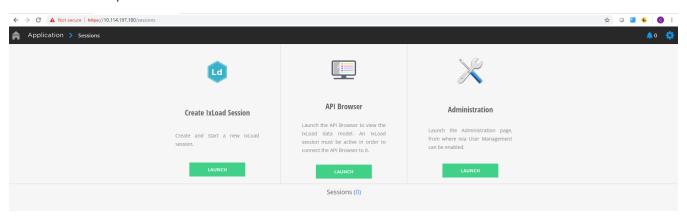
The account information displays:

d in.

Email	Email address associated with username.
Name	Descriptive name for username.
API Key	Select Show to display the API Key. If you are using Local authentication the API Key is not necessary, and is displayed for information only. If you are using Ixia User Managment authentication, you must include the displayed API Key with REST requests. Under Ixia User Managment authentication, each username has a unique API Key.
Role	Privileges allowed to the username.
User Management	Redirects to the configured User Management server, so that you can configure the User Management settings on the server.
User Preferences	Displays the controls for setting personal preferences for using the IxLoad Web UI.

Administration

If you logged into the IxLoad Web UI with an account that has admin rights, the Sessions page includes Administration option.



Which users have admin rights depends on the Authentication mode that is in use on the IxLoad Web UI:

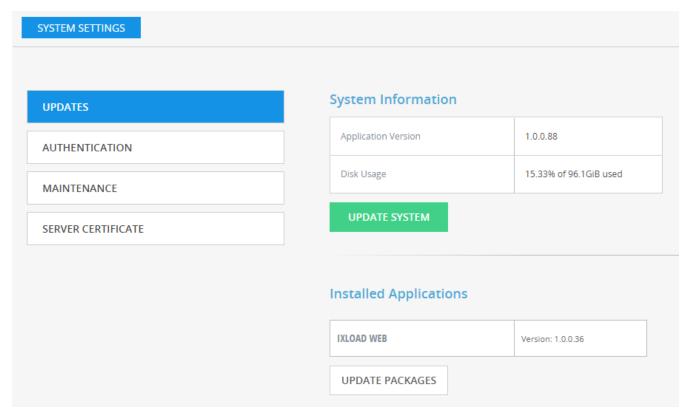
Authentication mode	Users with admin privileges
Local (default)	admin user (the only user)
Ixia User Management	Any user belonging to the user group on the Ixia User Management server that manages Admin access to the IxLoad Web UI.

The options available on the Administration page are:

- Updates displays the system information and the option to update the Web UI software.
- Authentication manages the settings for access to the Web UI.
- Maintenance enables you to restart the Web UI and the mange the current Web UI sessions.
- Server certificate page enables you upload a custom SSL Certificate for the IxLoad Web UI.

Updates

Updates displays the system information and enables you to update the Web UI software.



Updating the IxLoad Web UI

To update the IxLoad Web UI, select Update System.

The Web UI checks for a new update package, and if one is available, downloads and installs it. After installing the new package, it prompts you to confirm restarting the Web UI VM.

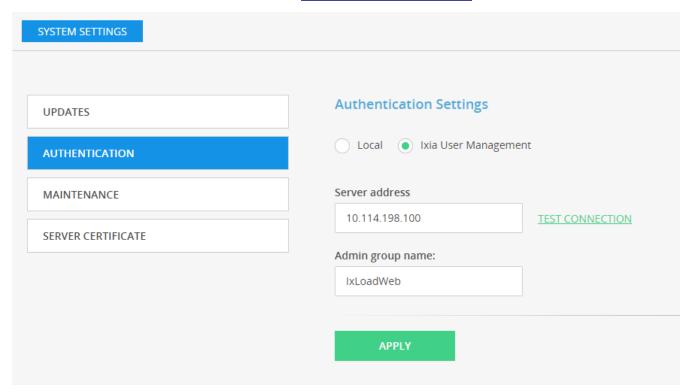
Authentication

Authentication manages the authentication mode that the IxLoad Web UI uses.

The IxLoad Web UI can use either of two authentication modes:

Local (default)	Under Local authentication, only one username can be used: the pre-configured `admin' user.
Ixia User Management	Under Ixia User Management authentication, users must log into the IxLoad Web UI using their Ixia User Management usernames and passwords.

For more information on authentication, see Authentication on page xv



Authentication settings

Note: If you change the authentication mode and then apply the new setting, the IxLoad Web UI terminates all current REST API and Web UI sessions and then restarts the Web UI. The new mode is active when the Web UI restarts.

To change the authentication settings:

- 1. Select Administration | Authentication.
- 2. Select the authentication type:

1. Local (default) Authentication by logging in with the admin usernam		Authentication by logging in with the admin username and password.
	Ixia User Management	Authentication by loggin in with Ixia User Management usernames and passwords.

3. If you selected Ixia User Management authentication, configure the related parameters:

Server address	IP address of the Ixia User Management server.
Admin group name	Name of the user group on the User Management server that will have admin rights to this IxLoad WebUI.

4. Select Test Connection to contact the server and obtain the server's security certificate.

The first time you try to connect to a new User Management server using Test Connection, the IxLoad Web UI prompts you to add the server's certificate to the chain of trust.

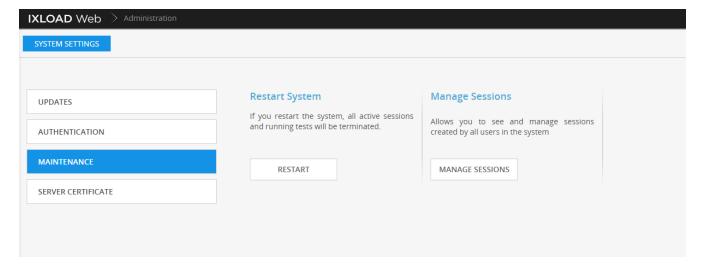
Select Yes to add the certificate.

5. Select Apply.

IxLoad Web UI terminates all current REST API and Web UI sessions and then restarts the Web UI. The new mode is active when the Web UI restarts.

Maintenance

Maintenance enables you to restart the Web UI and the mange the current Web UI sessions.



Restarting the IxWeb UI

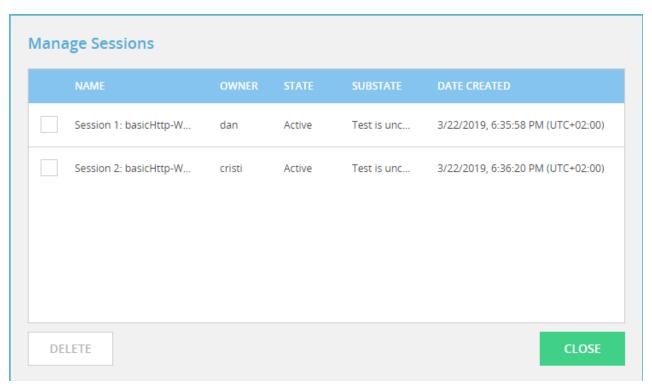
If you restart IxWeb UI, all the existing sessions and running tests are terminated and then the system is rebooted.

To restart, IxWeb UI, click Restart.

Managing IxWeb UI sessions

You can view all the current sessions and delete sessions.

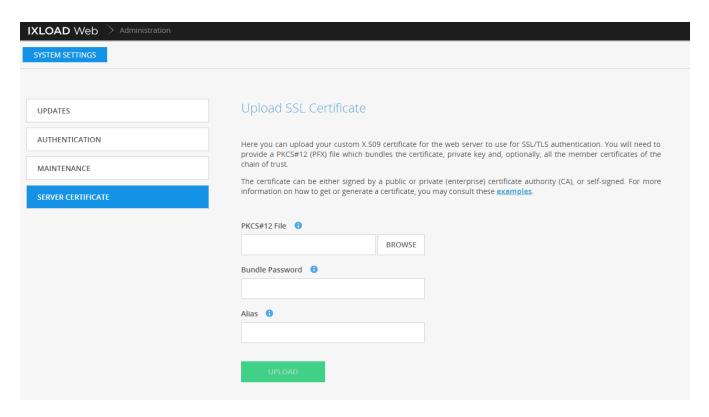
1. To manage the IxWeb UI sessions, click Manage Sessions. IxWeb UI displays the list of current sessions.



- 2. To delete a session, select it, then click Delete.
- 3. Select Close to return to the Maintenance page.

Server Certificate

The Server Certificate page enables you upload a custom SSL Certificate for the IxLoad Web UI.



To upload a server certificate:

- 1. In the PKCS #12 File field, select Browse, then select the certificate file.
- 2. In the Bundle Password field, enter the password for the certificate file.
- 3. In the Alias field, enter the alias for the certificate keystore.
- 4. Click Upload.

To begin using the new certificate, you must restart IxWeb UI.

Managing the Test Configuration and Files

This section describes how to:

- Save the test configuration, or load a different test configuration
- Upload and download the test configuration and test files

Saving the test configuration

You can save the current test configuration (in .rxf format) either with the same name or with a different name.

Saving the test

To save the test configuration, choose one:

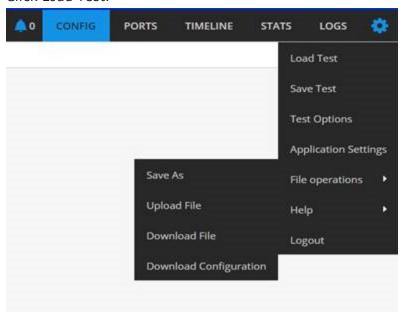
Same name	Different name
To save the test with the same name, select Config File operations Save Test.	To save the test with a different name: 1. Select Config File operations Save As. The Save As window displays.
	SAVE AS
	Location of the file: sp_2activities.rxf Paths are relative to '/mnt/ixload-share' OK CANCEL 2. Specify a name and path for the file. If you do not specify a path, the file is saved to the
	<pre>default upload path: /mnt/ixload-share/ To specify a different path, specify the path relative to</pre>
	/mnt/ixload-share/.
	For example, if you specify:
	config/test/sp_2activities.rxf
	<pre>the file is saved to: /mnt/ixload-share/config/test/sp_ 2activities.rxf</pre>
	Note: To retrieve the upload path, you can use the REST API to perform a GET request on http://localhost:8080/api/v1/resources.

Loading a different test configuration

If you have an existing test session, you can change the test configuration loaded in it. .

To load a different configuration:

- 1. Display the session's configuration page.
- 2. Click Load Test.



The Load Config window displays.



3. Specify the .test configuration file to use.

Choose one:

То	Do this:
Load a recently used file (a file that is already on the Linux VM).	Choose a file from the list, then select OK.
Upload an .rxf or .crf file from the local machine to the Linux VM.	 a. Select Browse. b. Choose an .rxf or.crf file, then select OK. IxLoad uploads the file from the local machine to the Linux VM. If you selected a .crf file, IxLoad uploads it to the VM, and then extracts it in .rxf format.
Manually enter the path to a file on the VM.	 a. Select Server path. b. In the field, enter the absolute path of a configuration file (.rxf or .crf) that already exists on the Linux VM. c. Select OK.

Note: You can also load a configuration from the Settings menu.

Downloading the test configuration

You can download the current test configuration from the Linux VM to the host where you are using the WebUI.

To download the test configuration:

- 1. Select Config | File operations | Download Configuration.
- 2. If you have changed the configuration after it was loaded, IxLoad prompts you to save the file. Choose one:
 - If you want to save the current configuration before downloading it, select Yes.
 - If you want to download the original configuration, select No.

IxLoad downloads the file.

API Browser

The API Browser enables you to view the IxLoad REST data model and command history.

