

Data Center Endpoints

The data center (DC) you use with Sauce Labs determines:

- The location of the servers where your tests are run
- Where related artifacts are stored
- Your ability to run *headless* tests, meaning tests run on a browser that does not have a user interface

For more information, see the following sections:

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Your Access to Data Centers

Your DC is determined based on your license type and your company's needs:

- Free-trial and self-service users select their DC when they sign up for Sauce Labs.
- Enterprise customers select one or more DCs as part of their contract with Sauce Labs

To see your data center, check the upper right corner of the Sauce Labs user interface. Options include:

- US-West
- EU-Central
- Headless

Restricted Access

If you attempt to use a DC that you don't have access to:

- In the UI:
 - If you have a free-trial or self-service license, you can see the full list of DCs but can only select the one you have access to.
 - If you have an enterprise plan, you can select any DC but you won't have any concurrent sessions available for DCs you don't have access to.
- When running an automated test, you'll see an error message indicating that you don't have access.

Access to Real Devices

Real devices are kept in our data center, behind locked racks and doors. Other security measures include:

- WiFi APIs are password protected with WPA2 security protocol, so only our devices can connect to the subnet
- Devices must have proper proxy information in order to have network connectivity
- Access management is handled by Sauce employees, and only specific individuals are allowed access to our devices, with logs that track all access attempts

Automated Tests and APIs

When you run automated tests or make API calls, your DC by default is US-West. If you want to use a different DC, you'll need to specify it in the test code or API call.

In addition, if you want to run automated tests on real devices, you need to specify the correct real device endpoint based on your DC. For details, see the table for your DC under [Endpoints](#).

See the respective API documentation for the Real Device Cloud and Sauce Labs API:

- [TestObject: API Reference](#)
- [The Sauce Labs REST API](#)

Authorization Credentials

The URL hostname and authorization credentials for APIs are different for each DC:

Sauce datacenter	Authorization credentials
US virtual devices and desktops cloud	Username and access key can be found under User Settings
EU virtual devices and desktops cloud	Username and access key can be found under User Settings
US real devices cloud	Username and access key can be found under User Settings
EU real devices cloud	Username and access key can be found under User Settings
US Legacy TestObject cloud	Username and API key can be found under account settings at https://app.testobject.com/
EU Legacy TestObject cloud	Username and API key can be found under account settings at https://app.testobject.com/

Running Tests on EU-Central

If you use any of the following and your DC is EU-Central, you need to make changes to your tests and/or framework to run those tests in the EU DC.

Java with JUnit or TestNG	Set SAUCE_REST_ENDPOINT= https://eu-central-1.saucelabs.com/ as a system/environment variable , otherwise test status will not be set.
Protractor	Update to version 5.4.2 or later of Protractor and set sauceRegion: 'eu' in your config file.
WebDriverIO	Update to version 4.14.1 or later, or 5.0.0 or later, of WebDriverIO and set region: 'eu' in your wdio.conf file.

Single Sign-On (SSO) Configuration

If you're using SSO with Sauce Labs, your DC determines the appropriate URLs for:

- **Signing/Encryption Certificate** - This URL shows the certificate metadata you need to provide to your service provider to authenticate with Sauce Labs.
- **Entity AssertionConsumeURL** - This URL is the endpoint where your service provider gets SAML assertions from Sauce Labs.

For details about setting up SSO for Sauce Labs, see [Setting Up Single Sign-On](#).

Data Center	Signing/Encryption Certificate/Entity ID	Entity AssertionConsumeURL
US	https://saucelabs.com/sso/metadata	https://saucelabs.com/sso/acs
EU	https://eu-central-1.saucelabs.com/sso/metadata	https://eu-central-1.saucelabs.com/sso/acs
Headless	https://us-east-1.saucelabs.com/sso/metadata	https://us-east-1.saucelabs.com/sso/acs

Changing Your Data Center

If you have access to more than one DC, you can switch DCs by clicking the data center name in the upper right corner. This drops down a list of options available to you.

Changing your DC changes what you can see and do in the Sauce Labs UI:

- Live tests you run in the UI
- Results for live tests and automated tests you run on the DC
- Organization-wide concurrency settings specific to the DC
- Teams associated with the DC
- Sauce Connect Proxy Tunnels connected to the DC

Status Pages

To check on the state of your data center, click the applicable link:

- **US Data Center** - <https://status.us-west-1.saucelabs.com/>
- **EU Data Center** - <http://status.eu-central-1.saucelabs.com/>
- **Headless Data Center (US-only)** - <https://status.us-east-1.saucelabs.com/>

Maintenance Windows

To view planned maintenance windows for your data center, see:

- [Maintenance Windows for the Sauce Labs US Data Center](#)
- [Maintenance Windows for the Sauce Labs European Data Center](#)

Endpoints

URLs vary based on the services you're using, your DC, and the types of tests you need to run.

US Data Center

Name	Details
US OnDemand Endpoints	
Desktop Browser and Virtual Device Cloud	https://ondemand.us-west-1.saucelabs.com/wd/hub
RDC on Sauce	https://ondemand.us-west-1.saucelabs.com
Legacy RDC/Test Object	https://us1.appium.testobject.com/wd/hub
Team Management	https://api.us-west-1.saucelabs.com/team-management/v1/
US REST API	
Virtual Devices and Desktops	https://api.us-west-1.saucelabs.com/v1
RDC on Sauce	https://api.us-west-1.saucelabs.com/v1/rdc
Real Devices on Test Object	https://app.testobject.com/api/rest/
Sauce Connect Proxy	<i>Virtual and Real Devices on Sauce:</i> https://saucelabs.com/rest/v1/
	<i>Real Devices on Test Object:</i> https://us1.api.testobject.com/sc/rest/v1
IP Ranges	<ul style="list-style-type: none"> • 162.222.72.0/21 • 66.85.48.0/21

EU Data Center

IMPORTANT: Depending on the framework or driver you use, you might need to make additional changes to your tests to run them in the EU-Central DC. See [Running Tests on EU-Central](#) for details.

Name	Details
EU OnDemand Endpoints	
Desktop Browser and Virtual Device Cloud	https://ondemand.eu-central-1.saucelabs.com/wd/hub
RDC on Sauce	https://ondemand.eu-central-1.saucelabs.com
Legacy RDC/Test Object	https://eu1.appium.testobject.com/wd/hub
Team Management	https://api.eu-central-1.saucelabs.com/team-management/v1/
EU REST API	
Virtual Devices and Desktops	https://api.eu-central-1.saucelabs.com/v1
RDC on Sauce	https://api.eu-central-1.saucelabs.com/v1/rdc
Real Devices on Test Object	https://app.testobject.com/api/rest/
Sauce Connect Proxy	<i>Virtual and Real Devices on Sauce:</i> https://eu-central-1.saucelabs.com/rest/v1
	<i>Real Devices on Test Object:</i> https://eu1.api.testobject.com/sc/rest/v1
IP Ranges	185.94.24.0/22

Headless Data Center (US-Only)

For more information on Sauce Headless, including full test walkthroughs, check out [Getting Started with Sauce Headless](#).

Name	Details
Headless OnDemand Endpoints	

Desktop Browser and Virtual Device Cloud	https://ondemand.us-east-1.saucelabs.com/wd/hub
RDC on Sauce	N/A
Legacy RDC/Test Object	N/A
Headless REST API	
Virtual Devices and Desktops	https://us-east-1.saucelabs.com/rest/v1
RDC on Sauce	N/A
Real Devices on Test Object	N/A
Sauce Connect Proxy	https://us-east-1.saucelabs.com/rest/v1
IP Ranges	N/A