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# Automation Anywhere Version 11.3

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## Citrix Automation

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Citrix Automation command enables you to automate tasks remotely for the application available on a Citrix environment.

Automation Anywhere Enterprise uses Citrix Receiver to automate tasks on a Citrix environment. Citrix Receiver allows you to access applications in a Citrix environment remotely to automate a process.

Automation Anywhere Enterprise uses OCR and image recognition to record and capture actions performed in a Citrix environment. You can capture actions such as mouse clicks, mouse movement, and keystrokes.

### Prerequisites

Before you begin automating tasks in a Citrix environment, you must ensure that:

- Citrix Receiver version 14.4.1000 or earlier must be installed on the machine.  
Note: Citrix Receiver must be installed before installing Enterprise Control Room. If you have installed Enterprise Control Room before installing Citrix Receiver, you must uninstall Enterprise Control Room and reinstall after installing Citrix Receiver.
- Credentials to access the Citrix machine must be available.
- Appropriate license for Citrix must be available for the Automation Anywhere Enterprise system.
- Port 1494 must be open for communication with the Citrix machine.

### Components of Citrix Automation

There are two components involved in automating a task in a Citrix environment. These elements are:

- Session Manager
- Automation Viewer
- [Session Manager](#)  
Session manager enables you to connect to a new or an existing Citrix session for automating a task.
- [Citrix Viewer](#)  
Citrix viewer is an interface that allows you to access applications on a Citrix environment remotely to automate a task.

### Session Manager

Session manager enables you to connect to a new or an existing Citrix session for automating a task.

A session stores information about applications, files, navigations, and other entities used by a task. Session also ensures that the entities of the current tasks are not available for other tasks when the current task is executed. Enterprise client allows the bot developer to create a new session or use an existing Citrix session using the Connect command

Use the same session name to update the actions you have captured earlier or add new actions. For example, you have used Extract Employee Information as session name to capture actions to add

information about new employees in the abc.csv file. You can use the same session name to add the actions to extract address information of employees from the abc.csv file.

- [Using session manager](#)

Using the session manager must be the first action while automating a task in a Citrix environment.

Related tasks

[Using session manager](#)

## Using session manager

Using the session manager must be the first action while automating a task in a Citrix environment.

## Prerequisites

Ensure that all the prerequisites mentioned in the [Citrix Automation](#) are met.

To connect to a new or existing Citrix session:

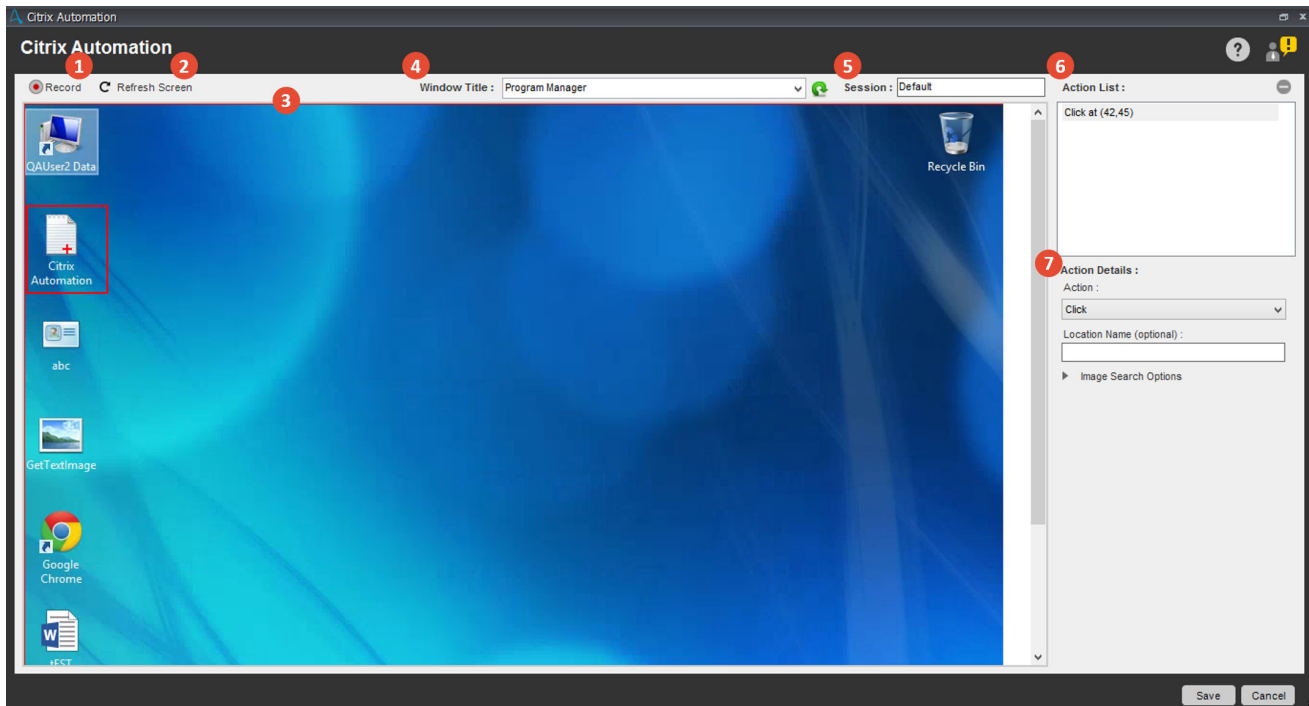
## Procedure

1. Open and log in to Enterprise client.
2. Click New on the toolbar, and then select Workbench from the Automate dialog box.
3. Double-click the Citrix Automation command.  
The Session Manager dialog box appears.
4. Select an option to specify whether you want to create a new session or connect to an existing session. Following options are available:
  - Connect to an existing session
  - Connect to a new session
5. Type a name in the Session Name field.
6. Enter server and domain details in the Server and Domain field respectively.
7. Enter the credentials to be used to establish the connection in the Username and Password fields, and then click Connect.  
The Citrix Viewer appears.  
Note: You can press F2 to use credential variables for enhanced security.

## Citrix Viewer

Citrix viewer is an interface that allows you to access applications on a Citrix environment remotely to automate a task.

The Citrix Viewer allows you to record actions as you perform them and edit the configuration for these actions without exiting the viewer.



1	Use this option to record actions you perform in a Citrix viewer.
2	Use this option to refresh the Citrix viewer window to reflect the current changes.
3	Use this area to perform actions that you want to record.
4	Use this option to activate an application window.
5	Use this option to view the name of the current session.
6	Use this option to view the recorded actions.
7	Use this option to view details of an action such as action performed, location, and options for image search and text search based on the action performed

- [Automating task using citrix viewer](#)  
Citrix Viewer enables you to record all actions you perform to automate a task.
- [Editing Citrix click action](#)  
The click action allows you to perform left-click, right-click, and double-click in an automation task.
- [Editing Citrix get text action](#)  
The get text action allows you to extract text in an automation task.
- [Editing Citrix wait action](#)  
The wait action allows you to insert delays between actions that are performed in an automation task. You use the wait action to halt the next action being performed in a task until a window appears or disappears.

## Automating task using citrix viewer

Citrix Viewer enables you to record all actions you perform to automate a task.

## Prerequisites

Ensure that all the prerequisites mentioned in the [Citrix Automation](#) are met.


This task enables you to automate a task using a Citrix Viewer.

## Procedure

1. Open the Citrix Automation Viewer using the Session Manager. See, [Using session manager](#).
2. Select the application window name from the Window Title list to activate that window. The application window name is available in the list only if the application is open.  
Note: Windows that does not have a title are displayed as 'Window1', 'Window2', and so on.

Or,

Open the application on which you want to perform actions.

3. Click Record and do the actions you want to record.
4. Click Stop after you have finished recording the required actions.  
The system populates the actions you have performed in the Actions List section. Actions listed can be of the following type:
  - Click: This action type represents left-click, right-click, and double-click actions.
  - Type: This action type represents actions that you have performed to insert text.
  - Get text: This action type represents actions that you have performed to extract text.
  - Wait: This action type represents actions that you have performed to insert delay.
5. You can select an action from the Actions List section and click , to delete that action.
6. Click Save.  
The recorded actions are saved as separate commands in the Workbench.

## Editing Citrix click action

The click action allows you to perform left-click, right-click, and double-click in an automation task.

## Prerequisites

Ensure that all the prerequisites mentioned in the [Citrix Automation](#) are met.

To edit a Citrix click action:

## Procedure

1. Open the Citrix automation task you want to edit.
2. Select the click action you want to edit from the Action List section.  
The Action Details dialog box appears.
3. You can specify a name for the control or location in the Location Name field.
4. You can use the Match slider to specify the match percentage.  
Or,

Type the match percentage in the Match field.

5. You can use the Tolerance slider to specify the tolerance percentage.  
Or,

Type the tolerance percentage in the Tolerance field.

See, [Image Recognition Command](#).

6. Fill in the fields on the form, as appropriate.

Table 1.

Name	Description
Subheader	

## Editing Citrix get text action

The get text action allows you to extract text in an automation task.

### Prerequisites

Ensure that all the prerequisites mentioned in the [Citrix Automation](#) are met.

To edit a get text action:

### Procedure

1. Open the Citrix automation task you want to edit.
2. Select the click action you want to edit from the Action List section.  
The Action Details dialog box appears.
3. You can select a variable from the Assign to Variable list, to assign the extracted text to that variable.
4. You can specify a name for the control or location in the Location Name field.
5. You can select an option from the OCR Engine list, to specify the OCR engine you want to use to extract text.
6. You can use the Threshold slider to specify the threshold percentage.  
Or,

Type the threshold percentage in the Threshold field.

7. You can click the View Captured Text option, to view a preview of the extracted text.  
The extracted is displayed in the field below the View Captured Text option.

## Editing Citrix wait action

The wait action allows you to insert delays between actions that are performed in an automation task. You use the wait action to halt the next action being performed in a task until a window appears or disappears.



## Prerequisites

Ensure that all the prerequisites mentioned in the [Citrix Automation](#) are met.

To edit a wait action:

## Procedure

1. Open the Citrix automation task you want to edit.
2. Select the click action you want to edit from the Action List section.  
The Action Details dialog box appears.
3. You can select the Appear or Disappear option in the Wait for selected image to section, to specify whether you want to insert delay until a specific image appears or disappear.
4. You can specify the longest time you want to wait in the Maximum wait time field.
5. You can specify a name for the control or location in the Location Name field.
6. You can use the Match slider to specify the match percentage.

Or,

Type the match percentage in the Match field.

7. You can use the Tolerance slider to specify the tolerance percentage.
- Or,

Type the tolerance percentage in the Tolerance field.