

# AppLoader7

## Installation Guide



Protocol Independent  
Load Testing

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## INSTALL APPLOADER SUITE

### PREREQUISITES

The AppLoader Suite consists of three components – *AppLoader*, *Injector* and *ScenarioBuilder*. Together, they comprise NRG Global's easy-to-use, script-free load testing solution.

AppLoader works with Terminal Services from Microsoft to generate multiple users simultaneously interacting with an application from one Windows server.

Install the AppLoader components in the following manner:

1. AppLoader – Install on a Windows PC or Windows Server. Installation sets up the Controller which manages, drives, and monitors load tests in real-time, and provides test analyses through summarized and detailed reports and graphs.
2. Injector – Install on a Windows server\*. Installation sets up the Injector which hosts multiple users performing real life Scenarios on the application under test.
3. ScenarioBuilder – Install on a Windows Server (same machine or clone of the "Injector" Server). This easy-to-use tool facilitates the creation of a wide range of test Scenarios for load testing.

Start by downloading the AppLoader installation package from the *Product Downloads* page on the NRG Global website. Save the *apploader\_suite\_setup.zip* file to your Windows PC and extract the contents of the file to a new folder. You will find a separate folder for each of the components; AppLoader, Injector and ScenarioBuilder. Within each folder is a setup file for its respective component.

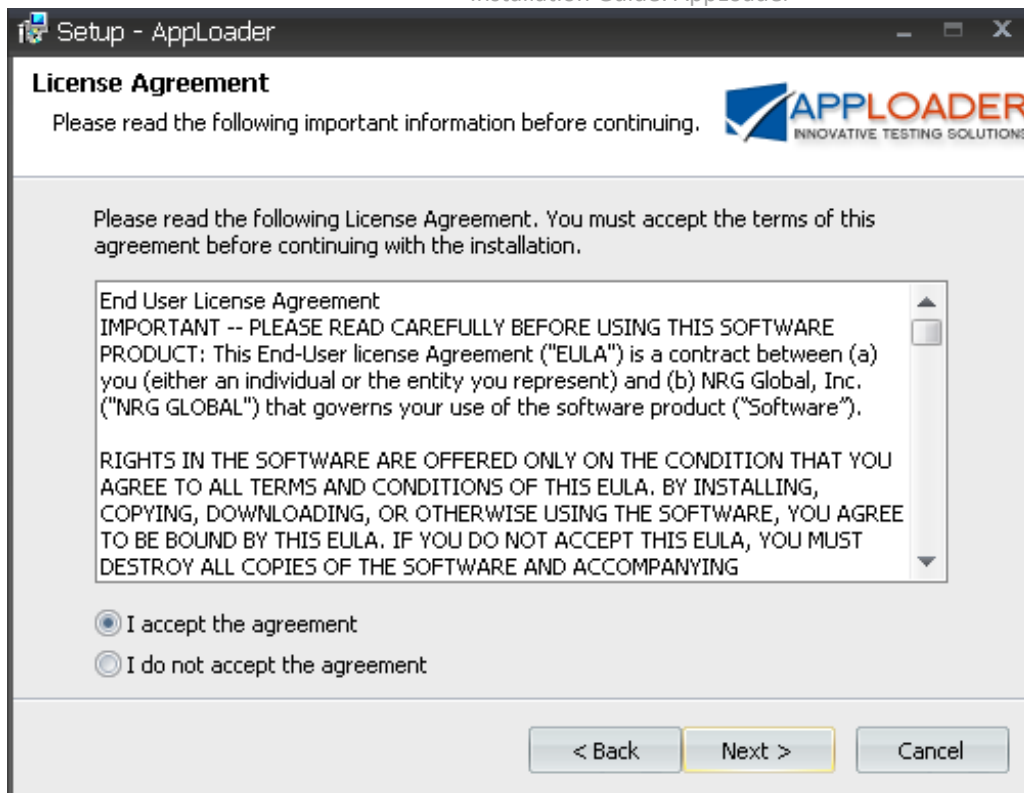
\*The Injector can be installed on a PC, however only a single user can be generated from a PC.

## 1. INSTALL APPLOADER

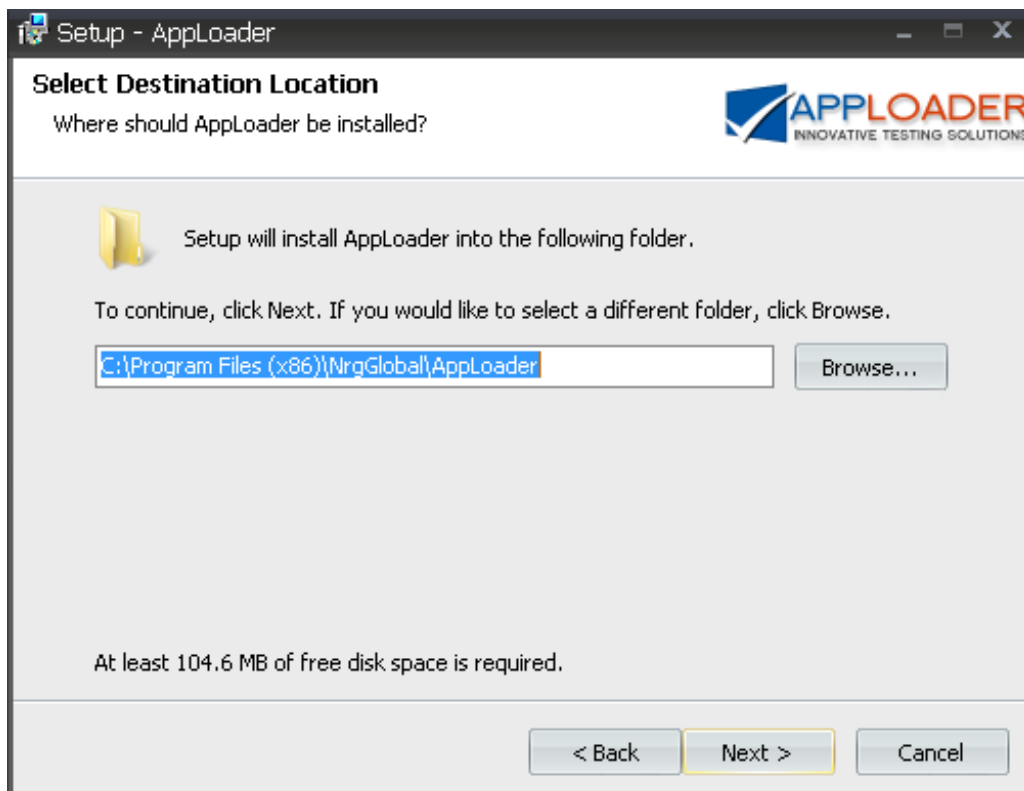
Run the *setup.exe* file in the AppLoader folder



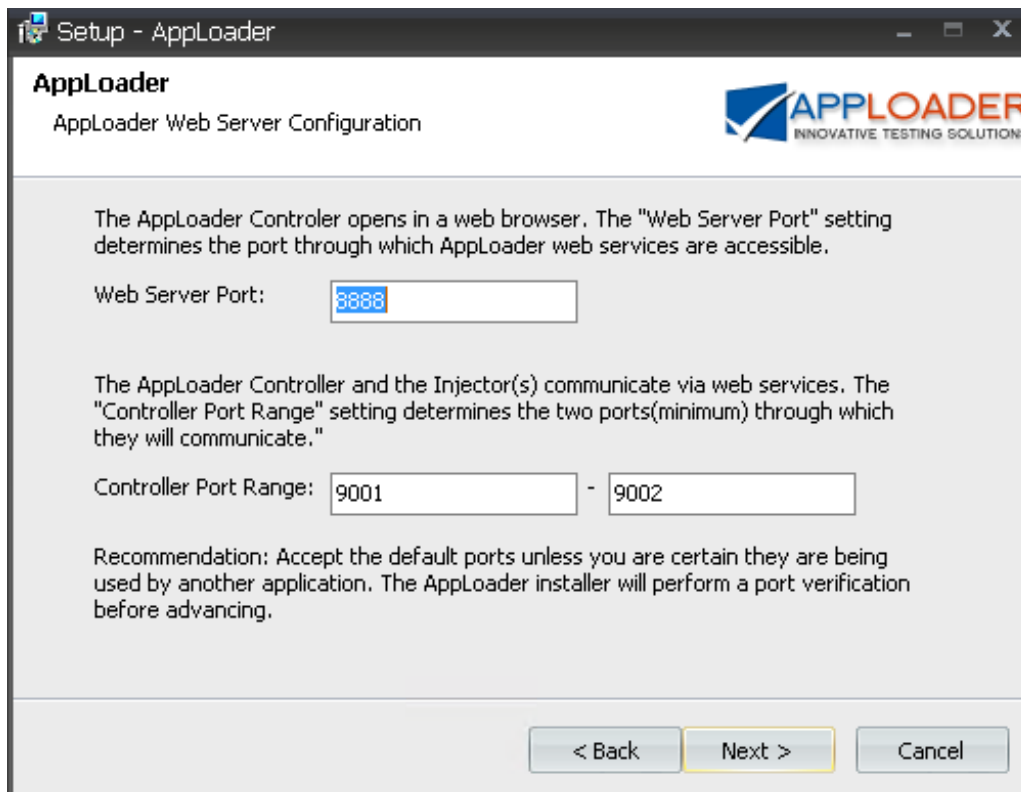
Click "Next" to advance to the "End User License Agreement" (EULA).



Review the terms of the EULA and click "I Agree" to continue.



Select the destination folder for the AppLoader program installation. Click “Next” to accept the default location or “Browse” to an alternate location, then click “Next.”



The AppLoader Controller can be opened in a web browser. The “Web Server Port” setting determines the port through which AppLoader’s web services are accessible.

The AppLoader Controller and the Injector communicate through web services. The “Controller Port Range” setting determines the ports through which they will communicate.

Choose the defaults unless they are used by other applications. You can check if a port is open in your network by issuing the *telnet\** command. If the port is open, you will see a blank screen after issuing the following command:

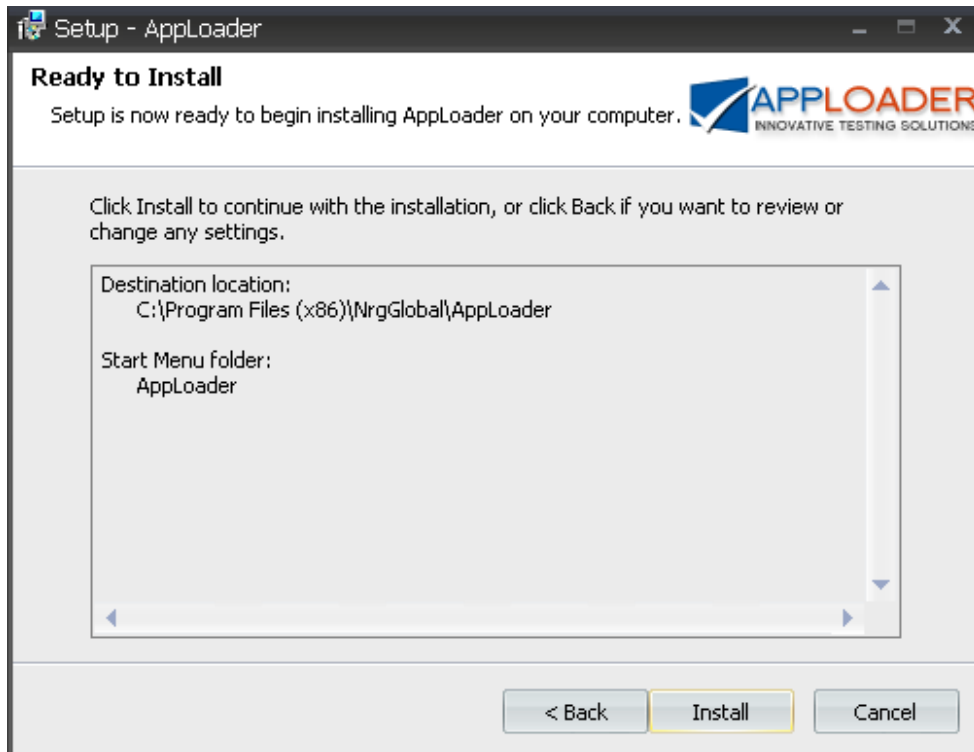
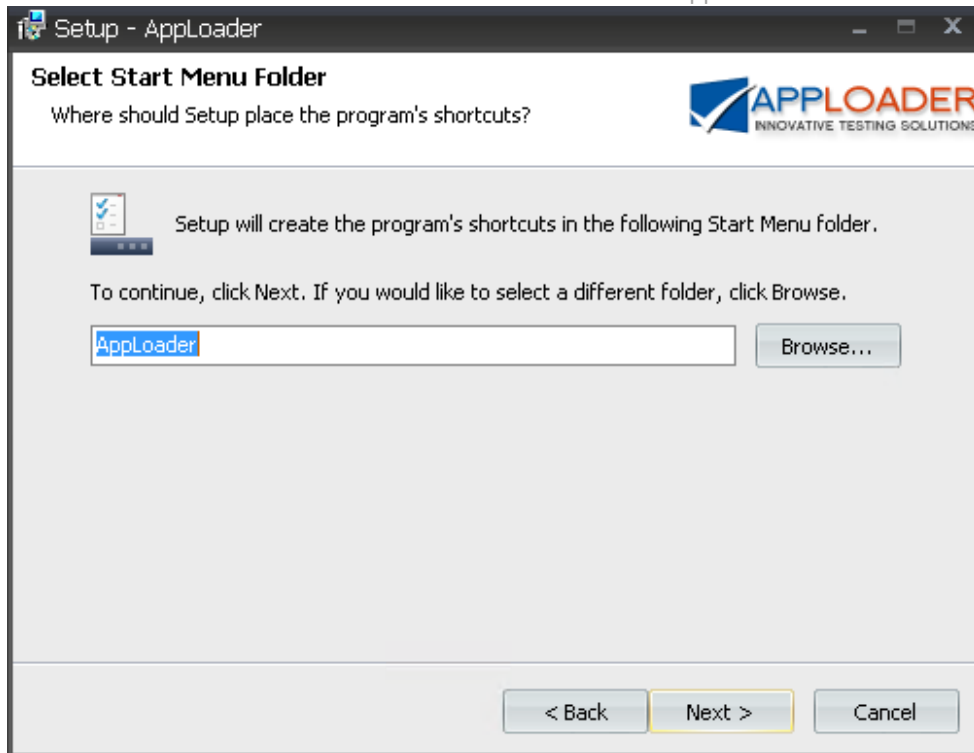
*telnet [ipaddress][port]*

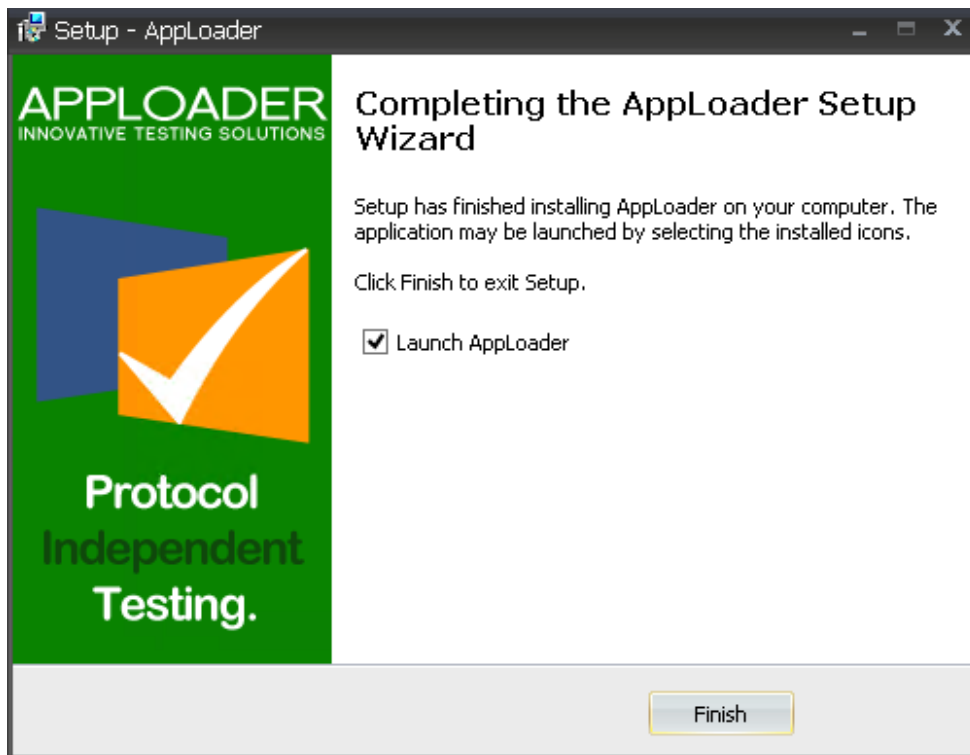
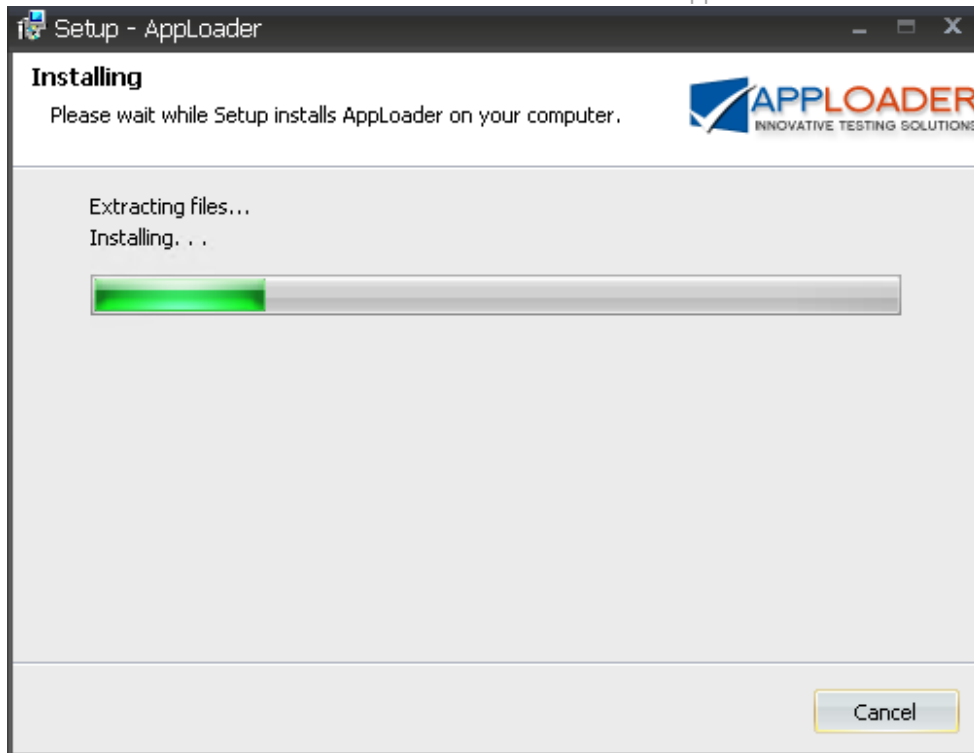
where:

- [ipaddress] is the IP address of the server to which you are trying to connect
- [port] is the port number you are checking

If the port is open, you will see a blank screen, indicating that the port is open and available for AppLoader.

Enter port settings and click “Next”.



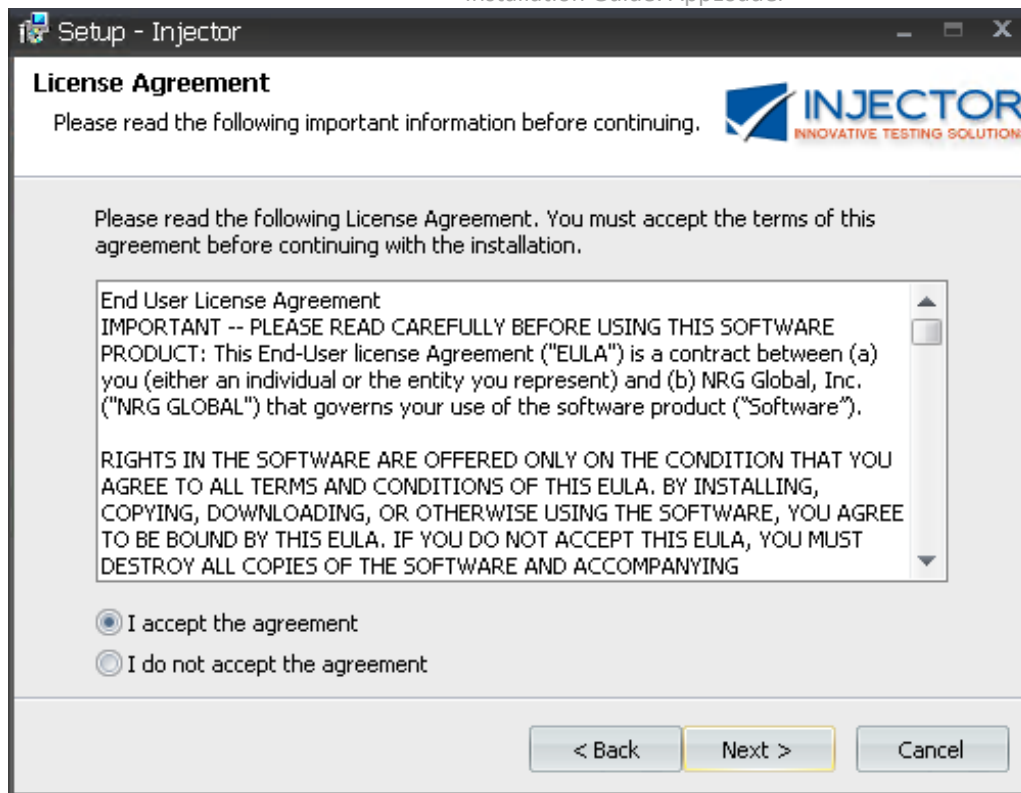


## 2. INSTALL INJECTOR

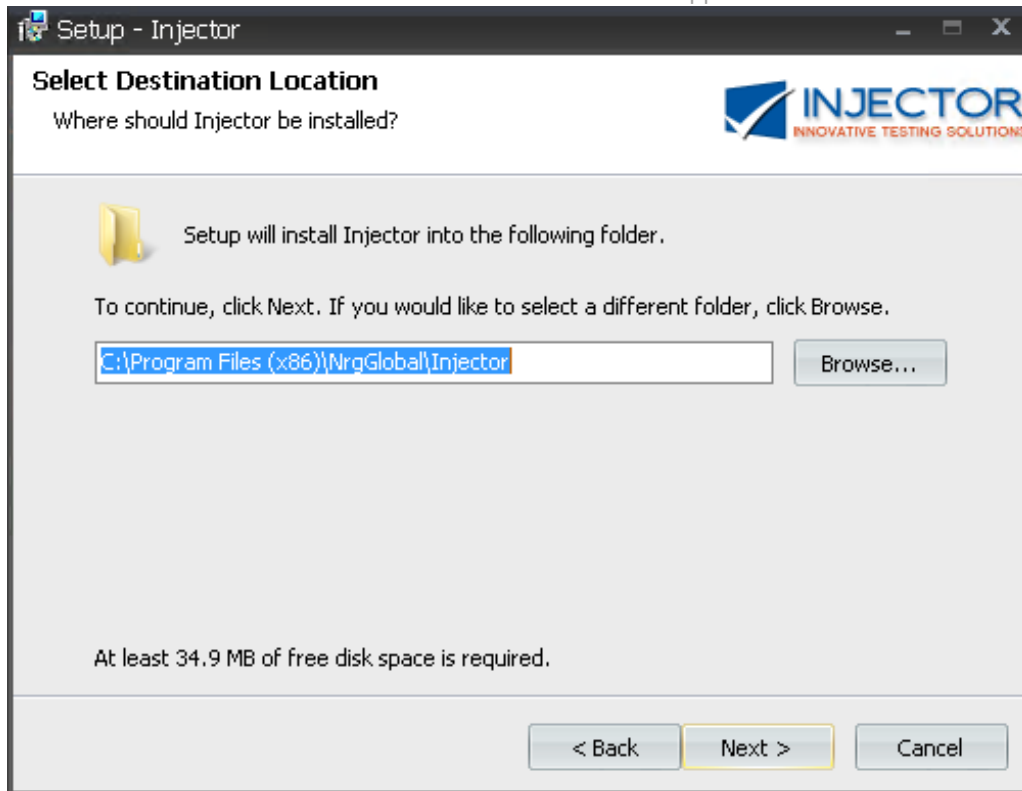
Run the *setup.exe* file in the Injector folder



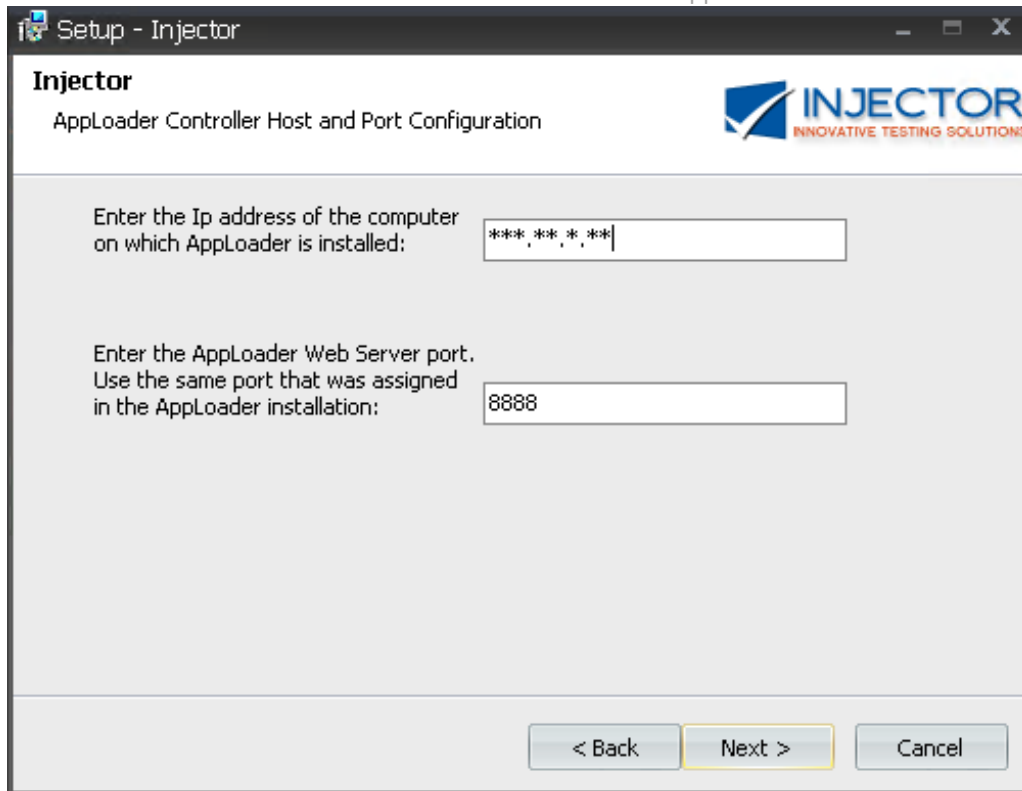
Click “Next” to advance to the “End User License Agreement” (EULA).



Review the terms of the EULA and click "I Agree" to continue.



Select the destination folder for the Injector program installation. Click "Next" to accept the default location or "Browse" to an alternate location, then click "Next."



The screenshot shows a Windows-style window titled "Setup - Injector". The window has a header bar with standard minimize, maximize, and close buttons. Below the header, the title "Injector" is displayed in bold, followed by the subtitle "AppLoader Controller Host and Port Configuration". To the right of the subtitle is the "INJECTOR" logo with the tagline "INNOVATIVE TESTING SOLUTIONS". The main area of the window contains two input fields. The first field is labeled "Enter the Ip address of the computer on which AppLoader is installed:" and contains the placeholder text "\*\*\*.\*\*\*.\*\*\*.\*\*\*". The second field is labeled "Enter the AppLoader Web Server port. Use the same port that was assigned in the AppLoader installation:" and contains the value "8888". At the bottom of the window, there are three buttons: "< Back", "Next >" (which is highlighted with a yellow border), and "Cancel".

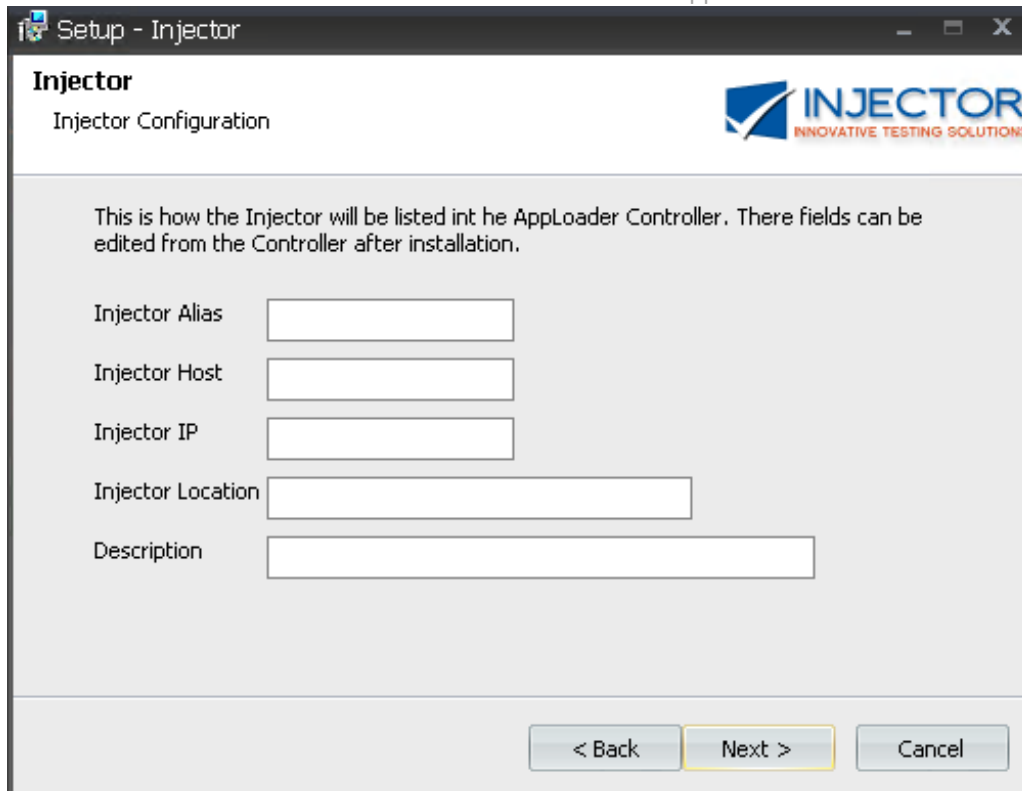
Enter the IP address of the server hosting the AppLoader Controller in the “AppLoader Base IP Address” field.

Enter the “AppLoader Base Port” address – use the same port that was assigned to the AppLoader “Web Server Port” in the AppLoader installation.

Select the “Scenarios Folder” location. We recommend that you keep the default location of C:\Program Files\NrgGlobal\Injector\scenariostore\.

Group Policy: screensaver must be disabled for proper Injector performance. If you uncheck this now, screensaver must be disabled at some point prior to using the Injector in a load test.

Click “Next”.



**Injector**  
Injector Configuration

This is how the Injector will be listed in the AppLoader Controller. These fields can be edited from the Controller after installation.

Injector Alias

Injector Host

Injector IP

Injector Location

Description

< Back   Next >   Cancel

Enter the following Injector parameters:

**Injector Alias** – a unique name to identify the Injector. This is how the Injector will be identified by and registered with the AppLoader Controller. (i.e. Injector1)

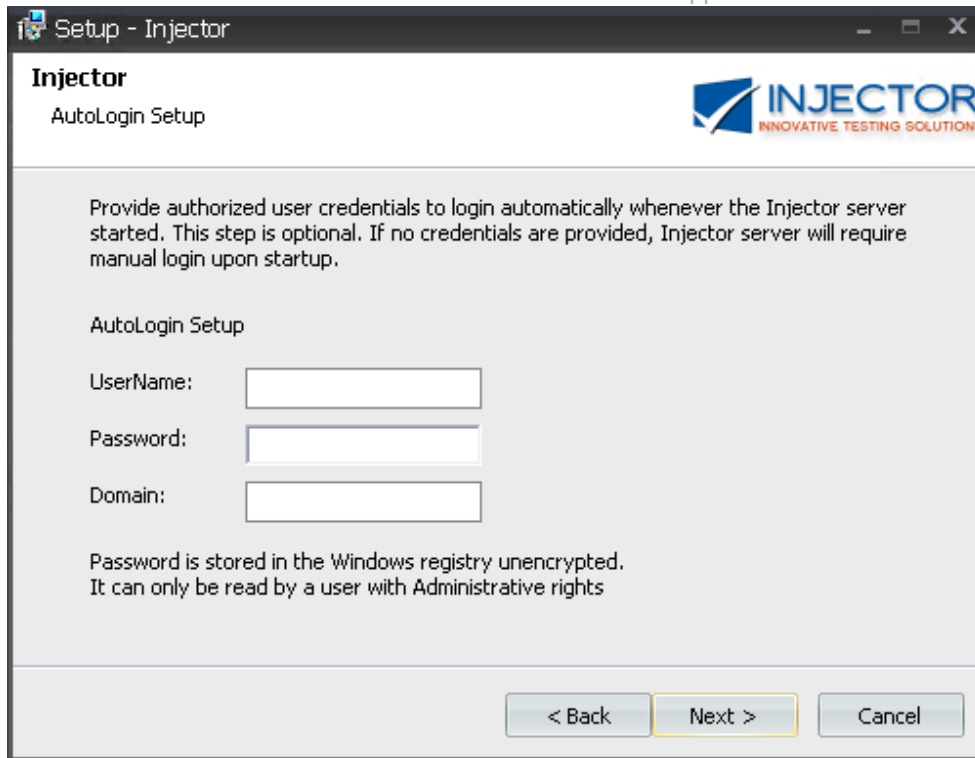
**Injector Host** – the computer name of the machine where the Injector is being installed.

**Injector IP** – the IP address of the machine where the Injector is being installed.

**Injector Location** – description field, usually the Injector Alias + Injector IP

**Description**

Click “Next.”



The image shows a Windows-style window titled "Setup - Injector". Inside the window, the title "Injector" is followed by "AutoLogin Setup". On the right side, there is a logo for "INJECTOR" with the tagline "INNOVATIVE TESTING SOLUTIONS" below it. The main text area contains the following instructions: "Provide authorized user credentials to login automatically whenever the Injector server started. This step is optional. If no credentials are provided, Injector server will require manual login upon startup." Below this, there is a section titled "AutoLogin Setup" which contains three input fields: "UserName:", "Password:", and "Domain:". Below the input fields, a note states: "Password is stored in the Windows registry unencrypted. It can only be read by a user with Administrative rights". At the bottom of the window, there are three buttons: "< Back", "Next >" (which is highlighted with a yellow border), and "Cancel".

Injector  
AutoLogin Setup

Provide authorized user credentials to login automatically whenever the Injector server started. This step is optional. If no credentials are provided, Injector server will require manual login upon startup.

AutoLogin Setup

UserName:

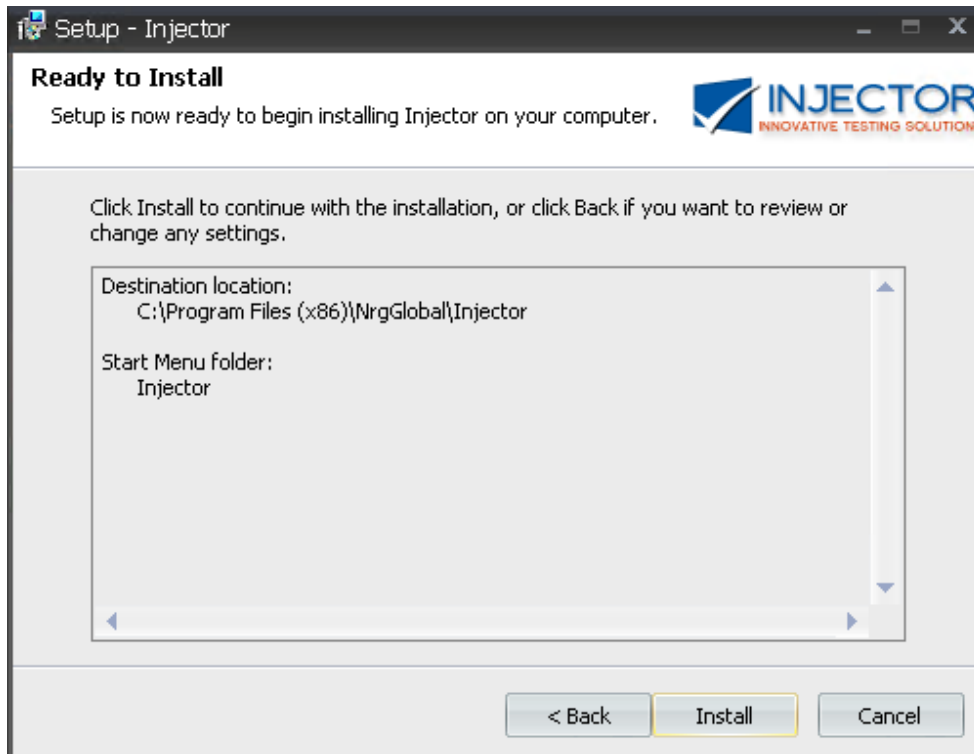
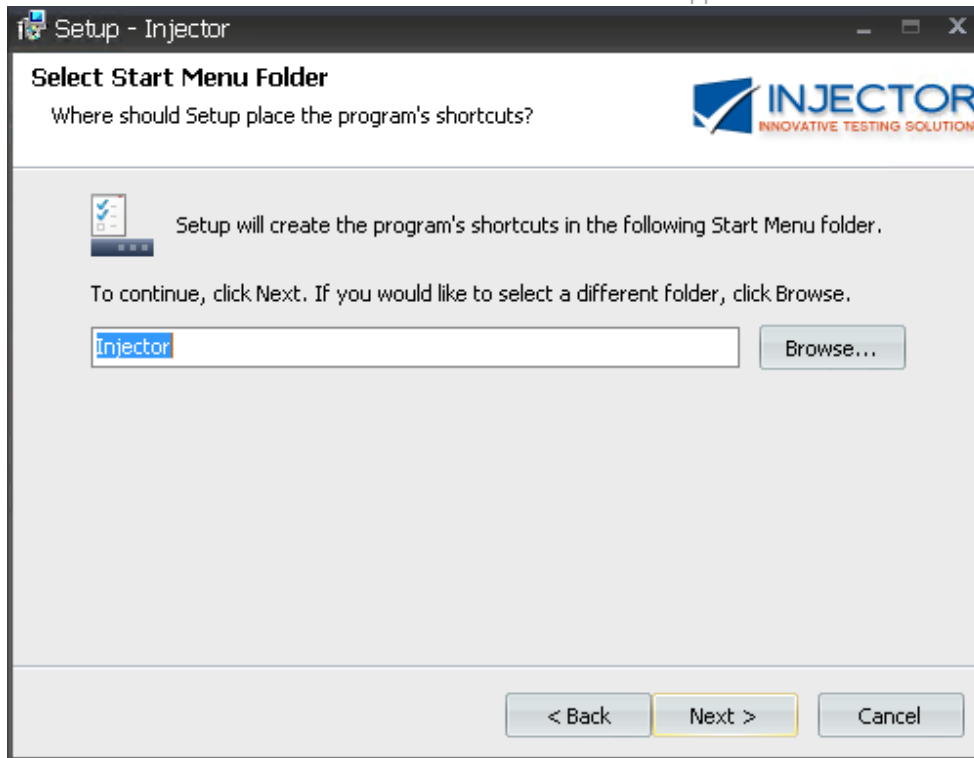
Password:

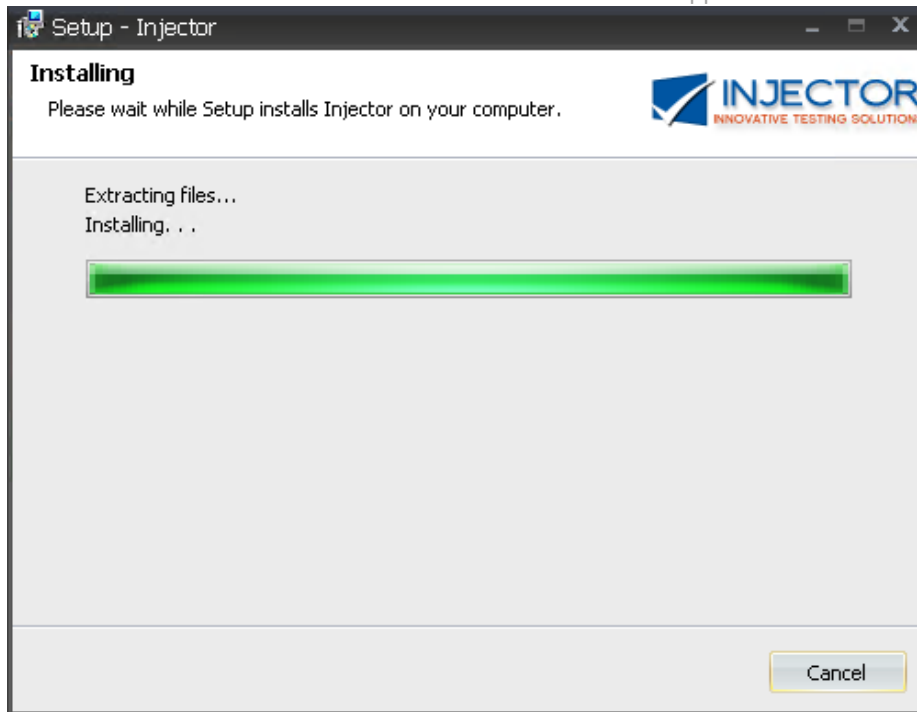
Domain:

Password is stored in the Windows registry unencrypted.  
It can only be read by a user with Administrative rights

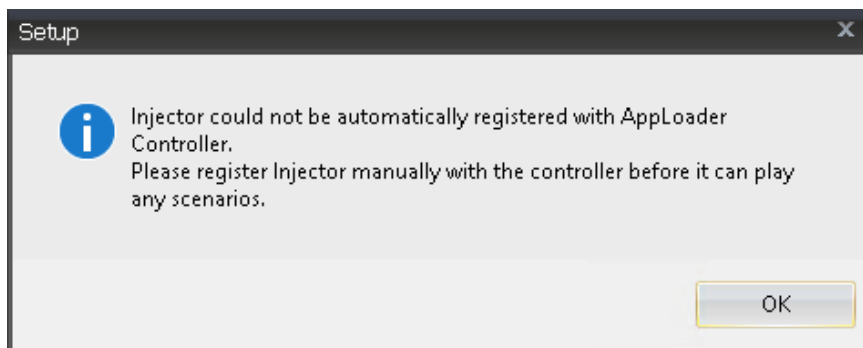
< Back   Next >   Cancel

Provide authorized user credentials to login automatically whenever the Injector server is started.

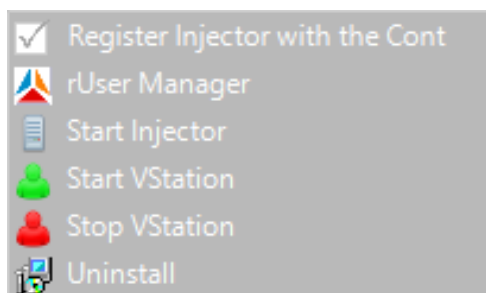




If Injector cannot register with the Controller during installation, the following message will be displayed.



The above issue may be due to firewall or port configuration. Once resolved, from the Injector Server's program menu, select "Register Injector with the Controller" to manually register the Injector;





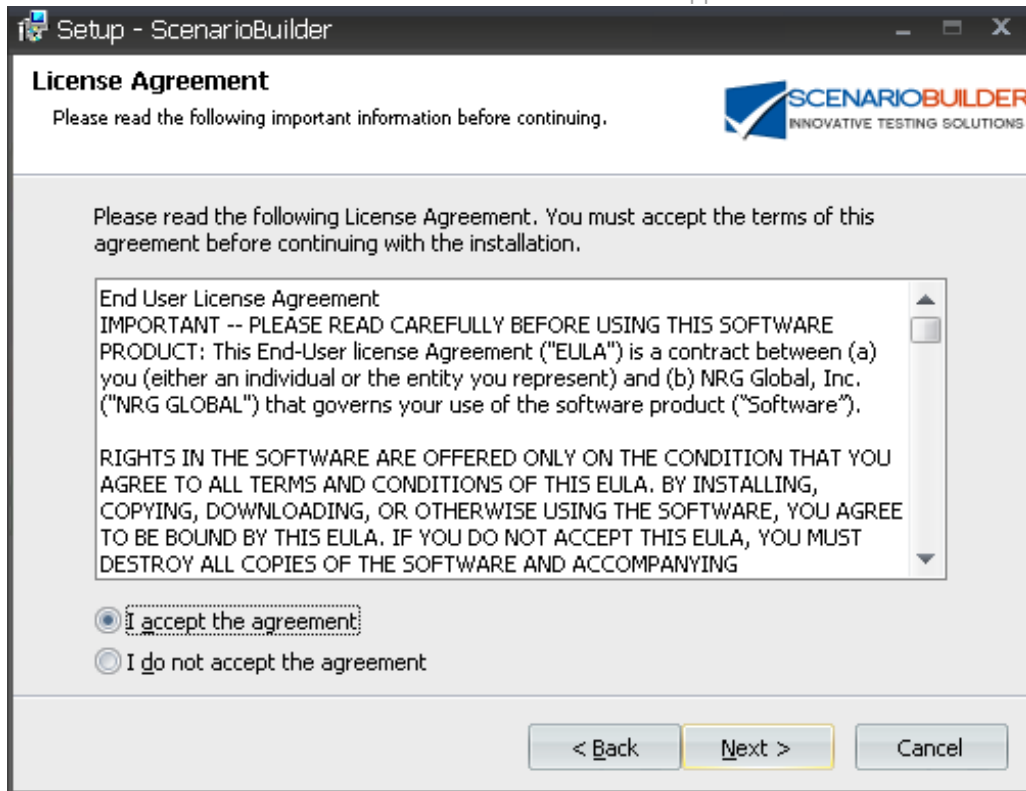
Click "Finish" to complete the Injector installation.

### 3. INSTALL SCENARIOBUILDER

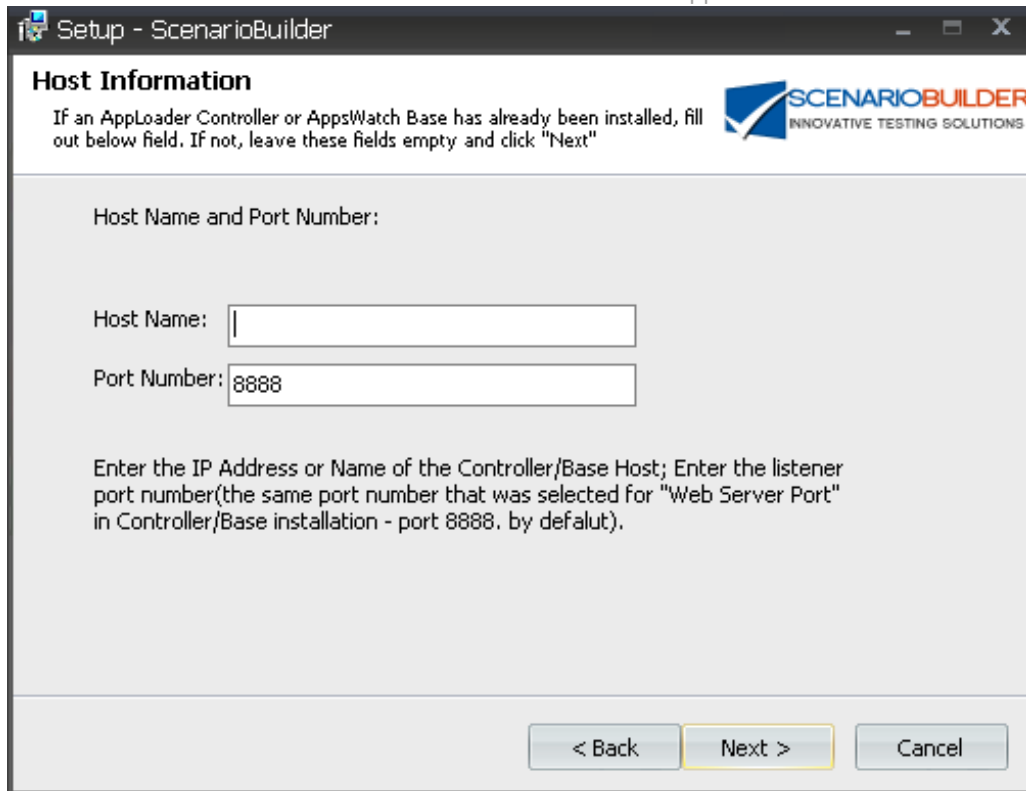
Run the *setup.exe* file in the ScenarioBuilder folder.



Click "Next" to advance to the "End User License Agreement" (EULA).



Review the terms of the EULA and click "I Agree" to continue.



**Host Information**

If an AppLoader Controller or AppsWatch Base has already been installed, fill out below field. If not, leave these fields empty and click "Next"

Host Name and Port Number:

Host Name:

Port Number:

Enter the IP Address or Name of the Controller/Base Host; Enter the listener port number(the same port number that was selected for "Web Server Port" in Controller/Base installation - port 8888. by default).

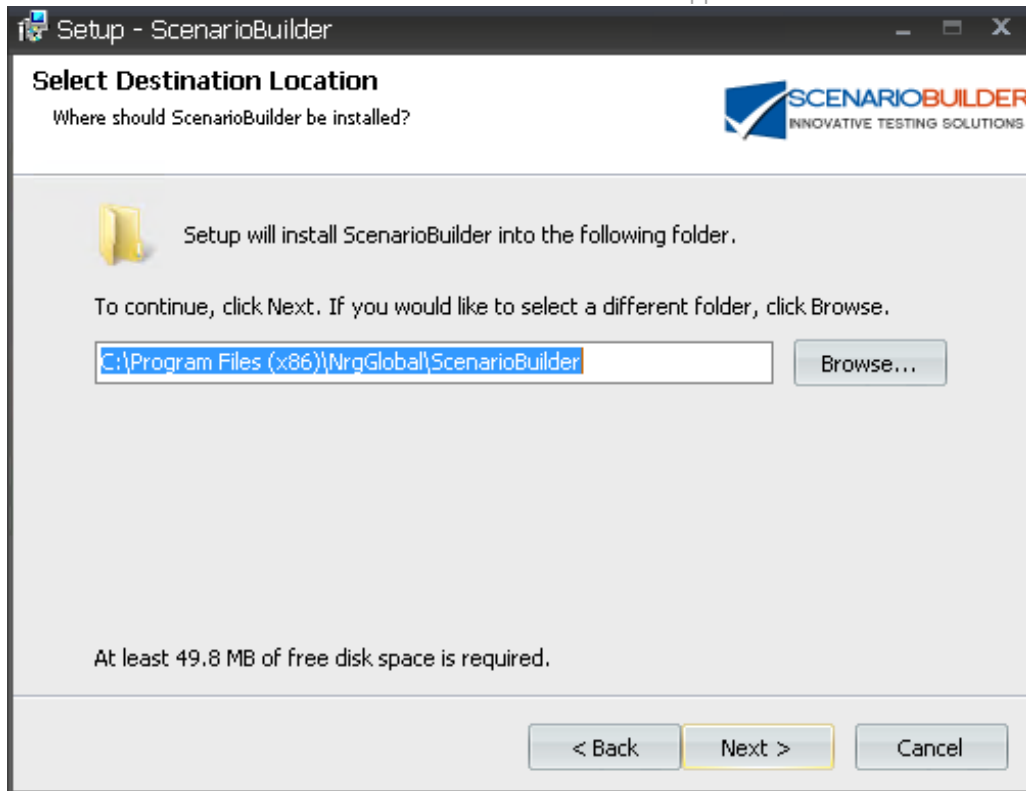
< Back   Next >   Cancel

Enter the IP address of the server hosting the Controller (if using with AppLoader) or Base (if using with AppsWatch) in the "Host Name" field.

Enter the "Port Number" address – use the same port that was assigned for "Web Server Port" in the Controller/Base installation.

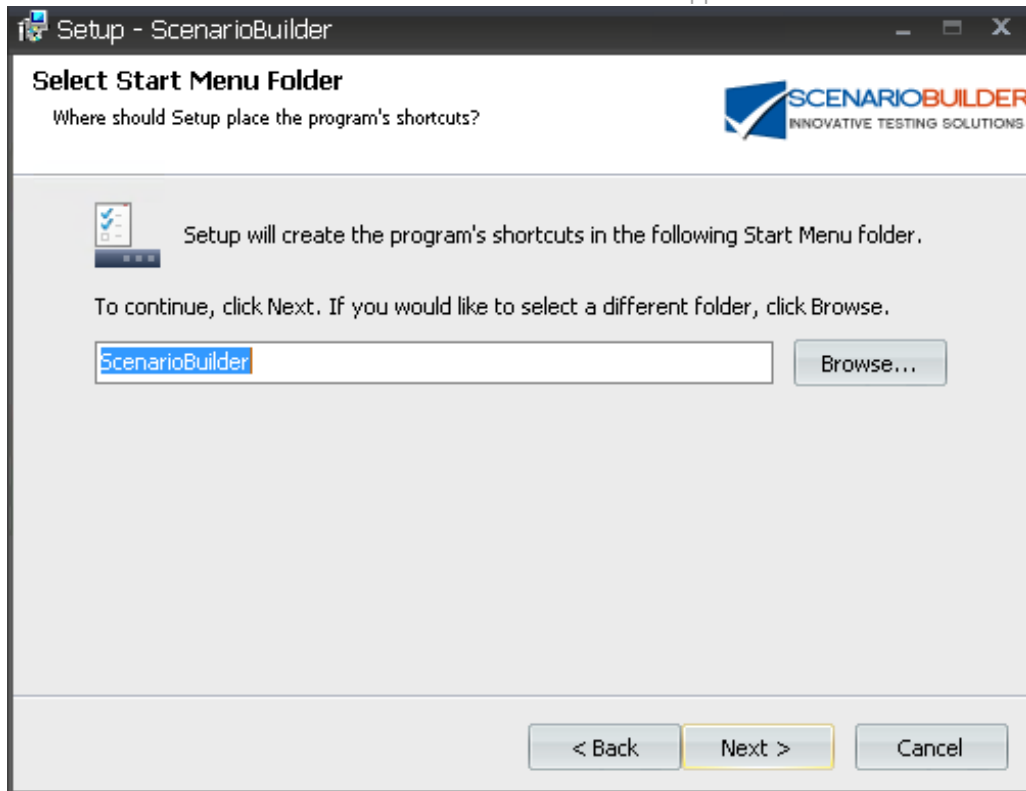
Click "Next."

*Note: If upgrading from an older version or reinstalling the current version of ScenarioBuilder, this window will not appear – prior settings will be used.*



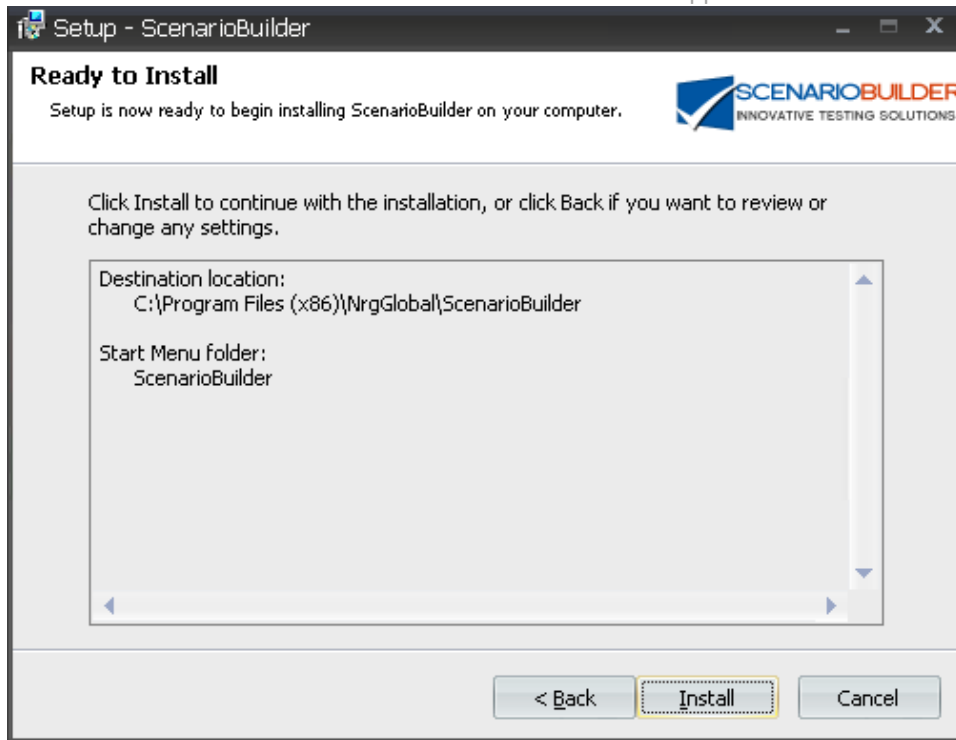
Select the destination folder for the ScenarioBuilder program installation. Click "Next" to accept the default location or "Browse" to an alternate location, then click "Next."

*Note: If upgrading from an older version or reinstalling the current version of ScenarioBuilder, this window will not appear – prior settings will be used.*



Select the destination folder for the ScenarioBuilder program shortcuts. Click "Next" to accept the default location or "Browse" to an alternate location, then click "Next."

*Note: If upgrading from an older version or reinstalling the current version of ScenarioBuilder, this window will not appear – prior settings will be used.*



Click "Install" to initiate the installation process.



Click "Finish" to complete the ScenarioBuilder installation.

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## POST-INSTALLATION

### WINDOWS SERVER OPTIMIZATION FOR APPLOADER INJECTOR

For guidance in configuring your Windows server for optimal performance as an AppLoader *Injector*, please refer to the applicable document listed below:

[Windows Server 2003 Injector Optimization](#)

[Windows Server 2008 Injector Optimization](#)

## GET STARTED WITH APPLOADER

- Open ScenarioBuilder and create a basic Scenario. Please visit <http://www.nrgglobal.com/resources/training-videos> and view “Getting Started (Part 1)” and “Getting Started (Part 2)” to quickly learn how to create a basic Scenario.
- Test your Scenario by playing it back in ScenarioBuilder.
- Set the Reference Time.
- Send your Scenario to the AppLoader Controller by clicking the “Send Scenario to Controller” option in the ScenarioBuilder “File” menu.