



TestTrack

Registry Utility Guide

Version 2012

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About the TestTrack Registry Utility

You can use the TestTrack Registry Utility to edit TestTrack Server and the TestTrack CGI settings. The utility writes to the local registry and only works locally. The TestTrack Server reads the registry settings during initialization. If you change server options, you must stop and restart the TestTrack Server before the registry changes will take effect.

Changes to the CGI options are immediately picked up by the TestTrack CGI application. CGI applications start and stop every time the web browser submits a command. Changes to the registry options are read by the CGI application the next time the web browser submits a command, such as when a user clicks a button.

Starting the TestTrack Registry Utility

- **Windows**—Choose **Programs > Seapine Software > TestTrack > TestTrack Registry Utility** from the Start menu.
- **Linux**—Enter `/usr/bin/ttregutil`
- **Mac**—Double-click the **TestTrack Registry Utility** icon in the Applications/TestTrack folder.

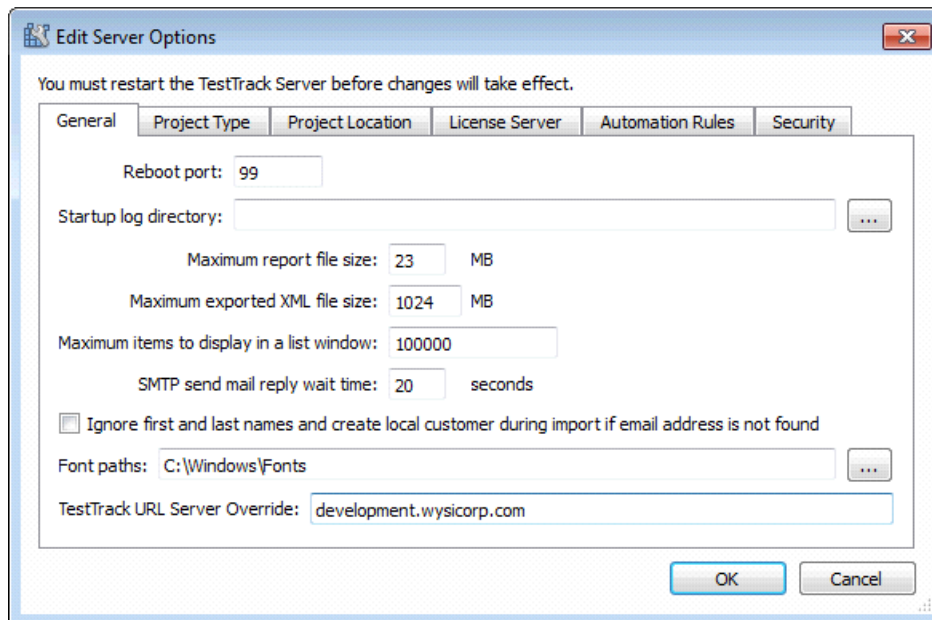
Editing TestTrack Server options

1. Start the registry utility then click **Server Options**.

The Edit Server Options dialog box opens.

Editing general server options

1. Click the **General** tab.



2. Enter the **Reboot port** that the TestTrack Server should use next time it is started.

When the TestTrack Server is first started, it copies the reboot port value to the server port field. The TestTrack Server and the TTCGI application use the server port value to communicate.

- If you are running the TestTrack Server on this computer, we recommend you change the reboot port value instead of the server port value. When the TestTrack Server is shut down and restarted, it copies the reboot port value to the server port field.
- If you are only running the TTCGI application on this computer, we recommend you change both the reboot port and the server port to the same value. You should make these changes when you are also making a similar change to the computer that runs the TestTrack Server application. If the changes are not made at the same time, the TTCGI will connect to one port while the TestTrack Server listens on a different port.

3. Enter the **Startup log directory** where the TestTrack Server writes the startup log file.

The log file contains any errors that occur when the TestTrack Server application starts. If this field is empty, the log file is created in the same directory as the TestTrack Server application.

4. The default **Maximum report file size** is 23 MB.

You may want to increase this number if you generate reports on thousands of records. Do not increase this number if you need to conserve server space.

5. The default **Maximum exported XML file size** is 1024 MB.

You may want to increase the file size if you export records with large file attachments. The maximum size is 4096 MB.

6. The default **Maximum number of items to display in a list window** is 100000.

You may want to limit the number of items displayed in list windows if you track a large number of issues, requirements, requirement documents, test cases, or test runs, or you have a large number of users.

7. The default **SMTP send mail reply wait time** is 20 seconds.

The TestTrack Server waits 20 seconds for the SMTP mail server to respond. Some SMTP mail servers do not always respond in a timely manner, which can cause performance issues because the TestTrack Server waits for a response. The maximum time is 180 seconds.

8. **Ignore first and last names and create local customer during import if email address is not found** determines how TestTrack matches issue submitters to existing users or customers when importing issues from email, SoloSubmit, or SoloBug.

During imports, TestTrack attempts to match the submitter to an existing TestTrack user or customer based on the email address. If a matching email address is not found, the submitter's first and last name are used. If multiple user or customer records have the same first and last name, the first matching user is used as the Found by user, which may be the incorrect user or customer. If this option is selected, only the submitter's email address is used to find a match and the first and last name are ignored. If a matching email address is not found, TestTrack creates a new local customer for the submitter.

9. Change the **Font paths** if operating system fonts are not installed in the default directory.

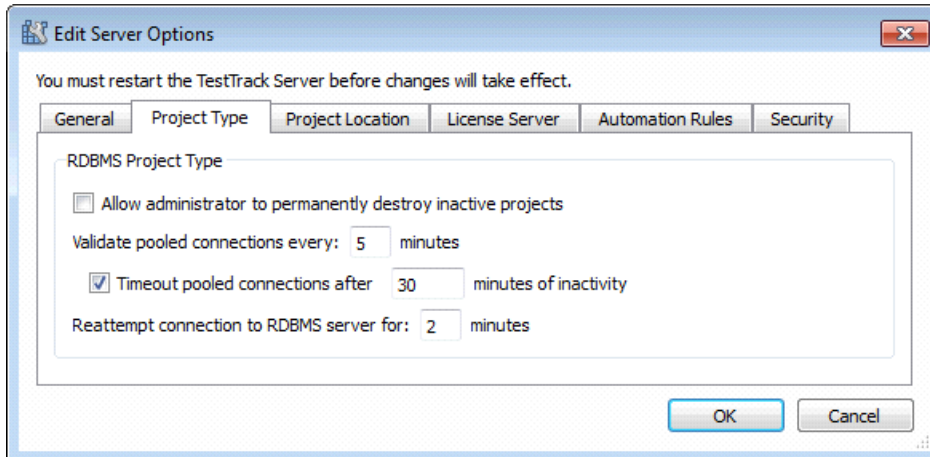
TestTrack uses fonts in reports and diagrams.

10. Enter the **TestTrack Studio URL Server Override** address if users outside the domain use ttstudio hyperlinks.

By default, the TestTrack Server computer name is used in ttstudio hyperlinks. Enter the fully qualified domain name for the TestTrack Server computer so users outside the domain can access items using ttstudio hyperlinks.

Editing project type options

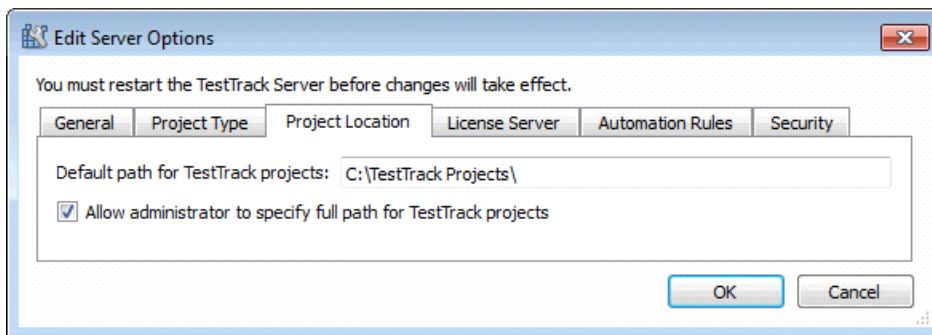
1. Click the **Project Type** tab.



2. Select **Allow administrator to permanently destroy inactive projects** to add a Delete button to the Projects dialog box in the TestTrack Server Admin Utility. The TestTrack Server supports deleting all table entries related to a single project from an RDBMS database.
3. Enter how often the server should **Validate pooled connections**. The TestTrack Server maintenance thread validates pooled connections every five minutes by default. The server maintains a number of connections to the database in a pool for performance reasons. The database server or a network router/firewall may interrupt connections if they are inactive for a period of time. This process also runs if a communication error is detected while a client request is processed.
4. Enter how often the server should **Timeout pooled connections**. The TestTrack Server times out pooled connections after 30 minutes of inactivity by default. New connections are created and added to the pool as connections are requested. After the specified minutes of inactivity is reached, inactive connections are removed and destroyed.
5. Enter how long the server should **Reattempt connection to RDBMS server** before initializing the server database and loading projects. The TestTrack Server attempts to connect to RDBMS servers for two minutes by default. You can set the value between 0 and 10 minutes. There is a 20 second delay between each attempt. If you stop the TestTrack Server while it is connecting to an RDBMS server, it stops after the 20 second delay ends. You cannot log in to the TestTrack Server Admin Utility while the TestTrack Server is connecting to an RDBMS server.

Editing project location options

1. Click the **Project Location** tab.



2. Enter the **Default path for TestTrack projects** to specify where the TestTrack Server creates and stores new project directories.

By default, a project directory is created in the TTServDb/TTDBs directory in the TestTrack application directory for each project you create. TestTrack native project database tables are included in the project directory. Additional project files, such as attachments, SoloBug files, and report stylesheets, are also included in this directory for TestTrack native and RDBMS projects. You may want to change the default path if you need to store project directories in a different location for backup purposes or to avoid disk space issues.

Note: If you change the default path, you must move existing project directories to the new location before saving the new path.

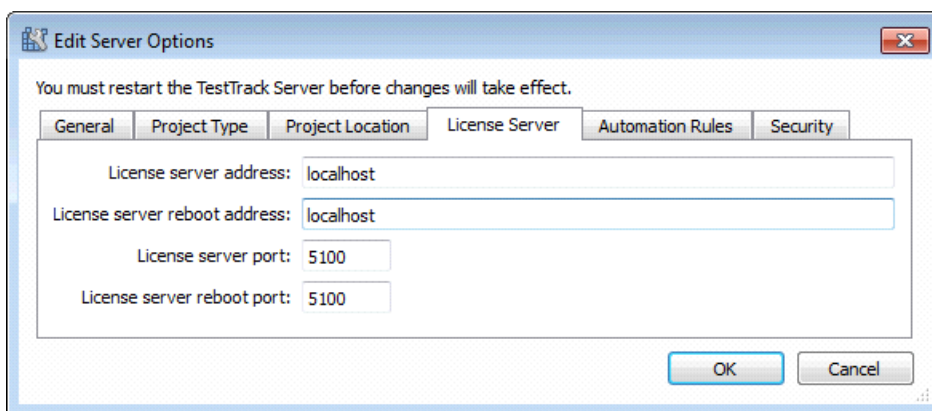
3. Select **Allow administrator to specify full path for TestTrack projects** to allow the administrator to enter a full directory path when creating TestTrack projects.

Projects can be created in any existing directory on the server computer’s local hard drive or any mapped network drive on the server computer. If this option is selected, the administrator can override the default path when creating projects. If this option is not selected, the administrator must specify a relative path name when creating projects.

Editing license server options

Note: These options are applied to the Seapine License Server. If you also use Surround SCM, make sure the changes will not negatively impact users.

1. Click the **License Server** tab.



2. Enter the **License server address**.

This is the IP address or domain name of the computer the Seapine License Server is installed on.

3. Enter the **License server reboot address**.

This is the IP address or domain name the Seapine License Server should use next time it starts. When the license server starts, it copies the server address reboot value to the server address field.

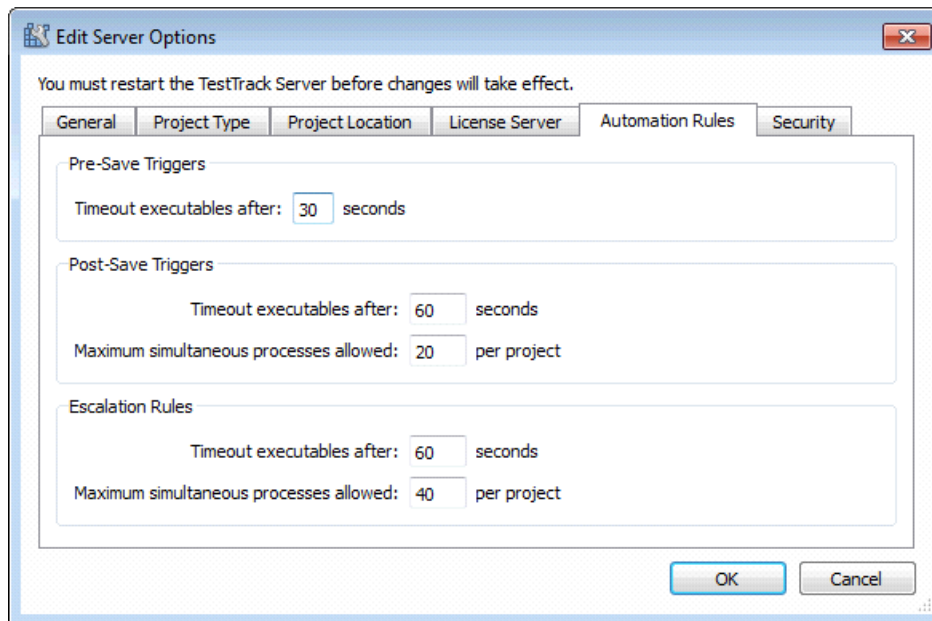
4. Enter the **License server port** number that clients use to connect to the Seapine License Server.

5. Enter the **License server reboot port** number.

This is the port the Seapine License Server should use next time it is started. When the license server starts, it copies the reboot port value to the server port field.

Editing automation rules options

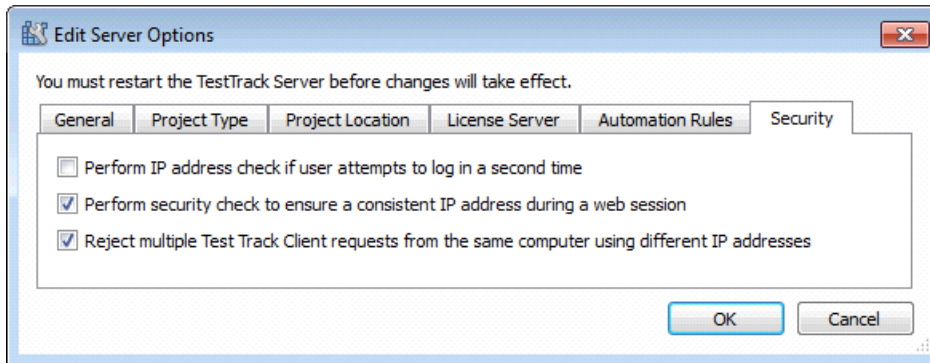
1. Click the **Automation Rules** tab.



2. Enter how often the server should **Timeout executables** run from pre-save triggers. The default is 30 seconds.
3. Enter any **Post-Save Triggers** values.
 - Enter how often the server should **Timeout executables**. The default is 60 seconds.
 - Enter the number of **Maximum simultaneous processes allowed per project**. The default is 20.
4. Enter any **Escalation Rules** values.
 - Enter how often the server should **Timeout executables**. The default is 60 seconds.
 - Enter the number of **Maximum simultaneous processes allowed per project**. The default is 40.

Editing security options

1. Click the **Security** tab.



2. **Perform IP address check if user attempts to login a second time** specifies what happens if a second login attempt is made from a different IP address. This option only applies to TestTrack Web if project options are configured to not allow web users to log in multiple times.

If TestTrack Web users can only log into a project from one location at a time and a second login attempt is made, the TestTrack Server can deny the login or disconnect the first connection and accept the second login.

- If you select this option, the second login attempt fails if the IP address does not match.
- If you do not select this option, users can close the existing TestTrack Web session and log in again regardless of an IP address match.

Note: You may not want to select this option if users connect to TestTrack Web using an ISP. The ISP will often quickly reassign an IP address, which TestTrack interprets as a security threat and ends the session. The user may lose work and will need to log in again.

In addition, you may not want to select this option if you use NAT (Network Address Translation) because the external IP address may change depending on your firewall settings. If the IP address changes, TestTrack ends the session and users may lose work.

3. **Perform security check to ensure consistent IP address during a web session**, which is selected by default, instructs the TestTrack Server to perform a security check that ensures web sessions are not hijacked from a different IP address.

The TestTrack Server verifies the request came from the same IP address as the original login. Enabling this option can guard against situations where someone attempts to determine the unique session ID of a currently logged in user instead of cracking a username and password.

Note: You may not want to select this option if users connect to TestTrack Web using an ISP. If the ISP connection is dropped, the user may be assigned a new IP address when a connection is re-established. If the security check is skipped, the user can continue using TestTrack via the current browser. If this security check is performed, the user is required to log in again and will lose any current work.

4. **Reject multiple TestTrack Client requests from the same computer using different IP addresses**, which is selected by default, specifies what happens if multiple requests are made from the same computer using different IP addresses.

Users may establish multiple connections to the TestTrack Server. For example, they may connect from the TestTrack Client using a wired network connection and then connect to a wireless network with a different IP address. When users perform some actions, the TestTrack Server may reject the request from the wireless connection because the IP address does not match the initial connection.

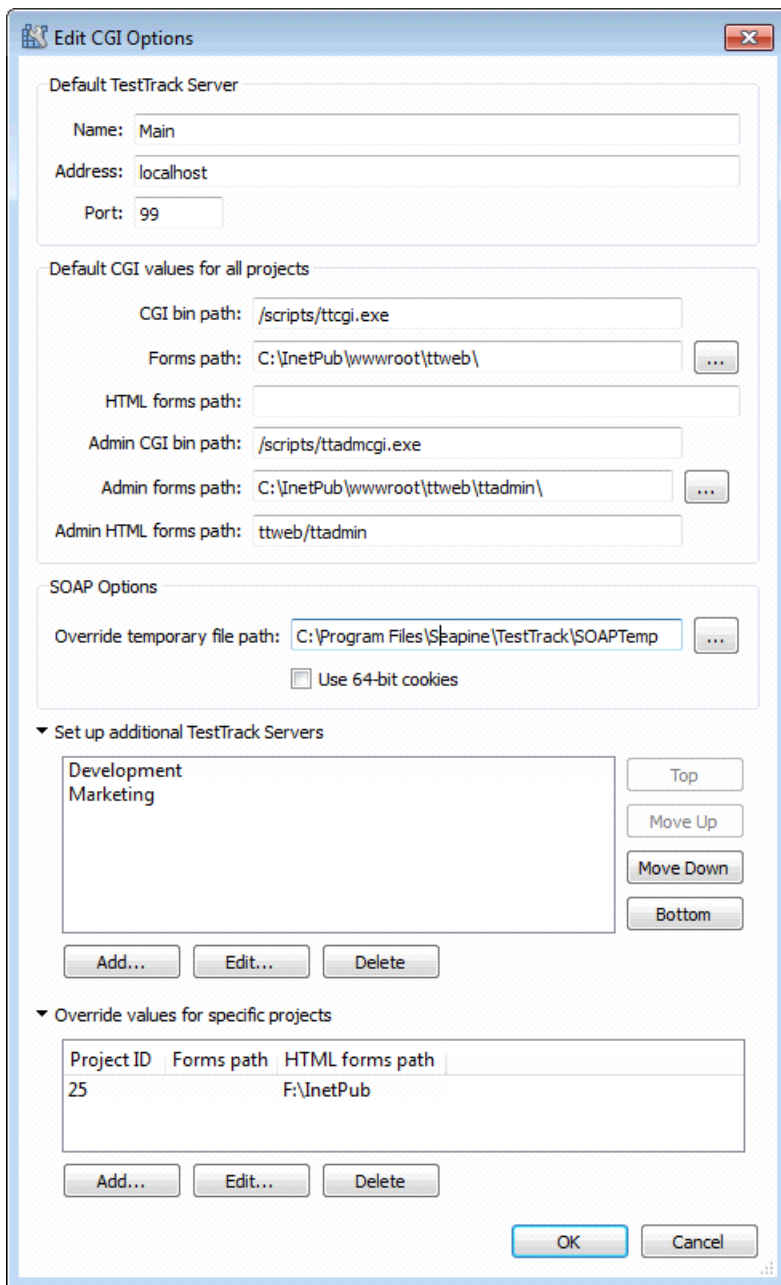
- If you select this option, requests from different IP addresses are rejected if users do not disconnect the initial session before reconnecting to the server.
- If you do not select this option, the TestTrack Server accepts requests from different IP addresses if the cookie matches without requiring users to reconnect.

Note: You may not want to select this option if users often use wireless and wired connections simultaneously while logged in to TestTrack. If requests are rejected, users may not be able to perform some actions, such as accessing requirement documents. Each rejected request generates an unusual activity message in the server log, which may significantly increase data written to the log .

Editing TestTrack CGI options

1. Start the registry utility and then click **CGI Options**.

The Edit CGI Options dialog box opens.



2. Enter the **Default TestTrack Server** information.

This is the default server the CGIs connect to when users log in, click hyperlinks to items, access RSS feeds, or submit information via SoloSubmit.

- Enter the server **Name**. Use a unique name to help easily identify the server in the TestTrack Web Server Admin Utility.
- Enter the **Address**. This is the IP address or domain name of the computer the default TestTrack Server is installed on. If the TestTrack Server is running on the same computer as the CGI client, use 127.0.0.1 or localhost.

- Enter the **Port** number. The TestTrack Server reads this value when the server is started. The TTCGI application reads this value every time a user sends a command to the TestTrack Server through a browser interface.

Note: If you are running the TestTrack Server on this computer, we recommend you change the reboot port value instead of the server port value. When the TestTrack Server is restarted, it copies the reboot port value to the server port field.

If you are only running the TTCGI application on this computer, we recommend you change both the reboot port and the server port to the same value. These changes should be made when you are also making a similar change to the computer that runs the TestTrack Server application. If the changes are not made at the same time, the TTCGI will connect to one port while the TestTrack Server listens on a different port.

3. Enter any **Default CGI values for all projects** information for the TTCGI and TTADM CGI applications.

These values apply to all projects on all TestTrack Servers the CGIs connect to.

- Enter the **CGI bin path**. This is the relative path and filename of the TTCGI application. The path is relative to the web server root directory. For example, the default Microsoft IIS location is /scripts/ttcgi.exe and the default Apache location is /cgi-bin/ttcgi.exe. This value is initialized during installation.

Note: If you change this setting, you must edit the login.htm page to reflect that change. If you do not edit the login page, TestTrack Web users will not have access.

- Enter the **Forms path**. This value is initialized during installation. If the TestTrack HTML pages are moved, you need to enter the full path name.
- Enter the **HTML forms path**. The TTCGI application assumes the TestTrack HTML files are stored in a subdirectory of the root web server directory named ttweb. If the TestTrack HTML files are moved to a different directory, create an alias named ttweb in the web server application. If the HTML files are moved to a different directory and an alias has not been created, the location must be entered in the HTML forms path field.

The path is relative to the web server root directory. For example, if your web server root directory is c:\inetpub\wwwroot\ and TestTrack HTML files are stored in c:\inetpub\wwwroot\qadept\ttwebpages this field must contain /qadept/ttwebpages.

Leave this field empty if the TestTrack HTML web pages are in the default location or you created an alias in the web server application.

- Enter the **Admin CGI bin path**. This is the relative path and filename of the TTADM CGI application. The path is relative to the web server root directory. For example, the default Microsoft IIS location is /scripts/ttadmcgi.exe and the default Apache location is /cgi-bin/ttadmcgi.exe. This value is initialized during installation.
- Enter the **Admin forms path**. This is the directory where the TestTrack admin HTML files are installed. This value is initialized during installation. If the TestTrack admin HTML pages are moved, you need to enter the full path in this field.

- Enter the **Admin HTML forms path**. The TTADM CGI application assumes the TestTrack admin HTML files are stored in a subdirectory off the root web server directory named ttweb/ttadmin.

If the TestTrack admin HTML files are moved to a different directory, you can create an alias named ttweb/ttadmin in the web server application. If the admin HTML files are moved to a different directory, and an alias is created, a new location must be specified in this field.

The path is relative to the web server root directory. For example, if your web server root directory is c:\inetpub\wwwroot\ and TestTrack admin HTML files are stored in c:\inetpub\wwwroot\qadep\ttwebpages this field must contain /qadep/ttwebpages.

Leave this field empty if the TestTrack admin HTML web pages are in the default location or you created an alias in your web server application.

4. Enter or select any **SOAP Options**.

- Enter an **Override temporary file path** to set the location of the temporary directory used by ttsoapcgi.exe. This directory is used when attaching files to items using the TestTrack SDK. Select a directory that anonymous users can access.
- Select **Use 64-bit cookies** to use 64-bit session cookies when SOAP client applications and the SOAP CGI communicate, which can help prevent session hijacking attacks. SOAP client applications must be able to receive, store, and send 64-bit integer cookie values if this option is selected.

5. To allow the CGIs to connect to other TestTrack Servers, expand the **Set up additional TestTrack Servers** area and click **Add**.

If you have a distributed TestTrack installation, you can configure the TTCGI and TTADM CGI applications to access multiple TestTrack Servers hosted on other computers in the network. When users log in to TestTrack Web, the projects list includes all projects users have access to.

- Enter the **Server Name**. Use a unique name to help users easily identify the server.
- Enter the **Server Address**. This is the IP address or domain name of the computer the TestTrack Server is installed on.
- Enter the **Server Port**. The TestTrack Server reads this value when the server is started. The TTCGI reads this value every time a user sends a command to the TestTrack Server through a browser interface.

Note: Select a server and click **Top**, **Move Up**, **Move Down**, or **Bottom** to reorder the list. Projects are displayed in the login dialog box based on order of this list. For example, all projects on the default TestTrack Server are displayed first, followed by all projects on the first server in this list.

6. To specify the location of customized web pages for a project, expand the **Override values for specific projects** area and click **Add**.

You can override project values to specify a different location and use customized web pages for each project. Any changes you make affect only the specific project.

- Enter the **Project ID**. To find the ID, start the Server Admin Utility and click Projects. The ID number is listed in the first column of the Projects dialog box.

- Enter the **Override forms path**. This is the directory where the TestTrack HTML files are installed. Changing this path only affects the specific project.
- Enter the **Override HTML forms path**. If a project uses customized images, enter the HTML forms path to override the default HTML forms path location. Images should be stored in the images subdirectory of the HTML forms path.

The path is relative to the web server root directory. For example, if your web server root directory is `c:\inetpub\wwwroot\` and customized images are stored in `c:\inetpub\wwwroot\qadept\ttwebpages\images`, this field must contain `/qadept/ttwebpages/images`.

Leave this field empty if customized TestTrack HTML web pages use the default TestTrack images (shared with all projects).

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