

# Configuring Localsettings

This topic explains how you can specify settings to control options for reporting, task assignment, licensing, and more. Local settings can be used to share preferences across a team as well as to apply different groups of settings to different projects and test runs.


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## About Localsettings

Localsettings can control report settings, Parasoft DTP settings, error authorship settings, and more. You may want to create a file with localsettings to:

- Configure and use different setting configurations for different projects.
- Extend or override team-wide settings as needed (for example, for settings that involve local paths).
- Enter GUI-specified and manually-specified settings into Parasoft DTP, which centralizes preference distribution and updating across the team.
- Adjust settings without having to open the GUI.

 If an option is configured both in the localsettings file and in the GUI, localsettings will override the GUI configuration.

## Specifying and Storing Localsettings

There are two ways to specify localsettings:

- Enter them manually in a simple text file. There are no name or location requirements.
- Export your GUI preferences as described in [Exporting GUI Preferences to a localsettings File](#) then adjust or extend them as needed.



### Creating a Local Settings (Options) File by Exporting Your GUI Preferences

The fastest and easiest way to create options files is to export your Preferences from the GUI.

1. Choose **Parasoft> Preferences**.
2. Select **Parasoft** (the root element in the left tree).
3. Click the **share** link in the right side of the panel.
4. In the dialog that opens, specify which preferences you want to export to a file.
5. Click the **Browse** button, then specify the file where you want the settings saved.
6. Click **OK**.
  - If you select an existing file, the settings will be appended to that file. Otherwise, a new file will be created.
  - Exported passwords will be encrypted.

Localsettings can be stored on Parasoft DTP (where they are automatically applied to connected C/C++ test installations) or in a local file (where they can be specified from the command line). For details on how to store and apply localsettings, see [C++ test Configuration Overview](#).

## Additional Information

- Each setting should be entered on a single line.
- We highly recommend that you use encoded passwords to ensure successful authentication and increase the level of security; see [Creating an Encoded Password](#).
- If you are importing preferences from localsettings specified on DTP and you want to override these settings from the GUI, you can clear the **Use DTP settings** option on the appropriate page, then manually configure the settings.
- If any localsettings problems are detected during a test run, details will be reported in the command line output.
- If you are running cli mode from a developer/tester desktop (as opposed to from a Server machine), use the `tasks.clear=false` option to ensure that your results from previous runs are preserved.

# Available Settings

## Reporting Settings

Setting	Purpose
<code>build.id=[id]</code>	<p>Specifies a build identifier used to label results. It may be unique for each build but may also label more than one test sessions that were executed during a specified build.</p> <p>The default is <code>\${dtp_project}-yyyy-MM-dd</code>.</p>
<code>report.active_rules=true false</code>	<p>Determines if the reports contain a list of the rules that were enabled for the test.</p> <p>Default: false</p>
<code>report.archive=true false</code>	<p>Enables the generation of an additional compressed archive (.zip) file in the specified report location. The ZIP file contains all the files generated to build the report.</p> <p>This option can generate an archive for any report format (e.g., HTML, CSV, PDF, etc.).</p> <p>By generating an archive, you can also perform custom transformations of the report because all of the elements are generated to the specified destination folder.</p> <p>Default: false</p>
<code>report.associations=true false</code>	<p>Specifies whether the report shows requirements, defects, tasks, and feature requests that are associated with a test.</p> <p>Default: false</p>
<code>report.authors_details=true false</code>	<p>Determines whether the report includes an overview of the number and type of tasks assigned to each team member.</p> <p>Default: true</p>
<code>report.contexts_details=true false</code>	<p>Determines whether the report includes an overview of the files that were checked or executed during testing.</p> <p>Default: false</p>
<code>report.custom.extension</code> <code>report.custom.xml.file</code>	<p>Specifies the location and extension of the XSL file for a custom format. Used with <code>report.format=custom</code></p> <p>For details and examples, see <a href="#">Configuring Reporting Settings</a>.</p>
<code>report.developer_errors=true false</code>	<p>Determines whether manager reports include details about team member tasks.</p> <p>Default: false</p>
<code>report.developer_reports=true false</code>	<p>Determines whether the system generates detailed reports for all team members (in addition to a summary report for managers).</p> <p>Default: true</p>
<code>report.format=html pdf sate xunit custom</code>	<p>Specifies the report format.</p> <p>Default: html</p>
<code>report.generate_htmls=true false</code>	<p>Determines whether HTML reports are generated and saved on the local file system. XML reports are generated and saved regardless of this setting's value.</p> <p>Default: true</p>
<code>report.graph.cs_start_date=[MM/dd/yy]</code>	<p>Determines the start date for trend graphs that track static analysis tasks over a period of time. See <a href="#">Understanding Reports</a> for more details on these reports.</p>
<code>report.graph.ue_coverage_start_date=[MM/dd/yy]</code>	<p>Determines the start date for trend graphs that track coverage over a period of time. See <a href="#">Understanding Reports</a> for more details on these reports.</p>
<code>report.graph.ue_start_date=[MM/dd/yy]</code>	<p>Determines the start date for trend graphs that track test execution results over a period of time.</p>
<code>report.location_details=true false</code>	<p>Specifies whether absolute file paths are added to XML data. This needs to be enabled on the Server installation if you want to relocate tasks upon import to desktop installations.</p> <p>Default: false</p>

<code>report.mail.attachments=true false</code>	<p>Determines whether reports are sent as attachments. All components are included as attachments; before you can view an HTML report with images, all attachments must be saved to the disk.</p> <p>Default: false</p>
<code>report.mail.cc=[email_addresses]</code>	<p>Specifies where to mail comprehensive manager reports. This setting must be followed by a semicolon-separated list of email addresses. This setting is typically used to send reports to managers or architects. It can also be used to send comprehensive reports to team members if such reports are not sent automatically (for example, because the team is not using a supported source control system).</p>
<code>report.mail.compact=trends links</code>	<p>Specifies that you want to email a compact report or link rather than a complete report.</p> <p>If <code>trends</code> is used, the email contains a trend graphs, summary tables, and other compact data; detailed data is not included.</p> <p>If <code>links</code> is used, the email contains only a link to a report (which is available on Team Server)</p>
<code>report.mail.domain=[domain]</code>	<p>Specifies the mail domain used to send reports.</p>
<code>report.mail.enabled=true false</code>	<p>Determines whether reports are emailed to team members and to the additional recipients specified with the <code>cc</code> setting.</p> <p>Remember that each developer that worked on project code will automatically be sent a report that contains only the errors/results related to his or her work.</p> <p>Default: false</p>
<code>report.mail.exclude=[email_addresses]</code>	<p>Specifies any email addresses you do not want to receive reports. This setting is used to prevent automated sending of reports to someone that worked on the code, but should not be receiving reports.</p>
<code>report.mail.exclude.developers=true false</code>	<p>Specifies whether reports should be mailed to any team member whose email is not explicitly listed in the <code>report.mail.cc</code> property. This setting is used to prevent reports from being mailed to individual developers.</p> <p>Default: false</p>
<code>report.mail.format=html ascii</code>	<p>Specifies the email format.</p> <p>Default: html</p>
<code>report.mail.from=[email_address OR user_name_of_the_same_domain]</code>	<p>Specifies the "from" line of the emails sent.</p> <p>Default: &lt;global_user_name&gt;</p>
<code>report.mail.include=[email_addresses]</code>	<p>Specifies the email addresses of team members that you want to receive individual reports. This setting must be followed by a semicolon-separated list of email addresses. This setting is typically used to send individual reports to team members if such reports are not sent automatically (for example, because the team is not using a supported source control system). It overrides team members specified in the 'exclude' list.</p>
<code>report.mail.on.error.only=true false</code>	<p>Determines whether reports are sent to the manager only if a task is generated or a fatal exception occurs. Team member emails are not affected by this setting; individual emails are sent only to team members who are responsible for reported tasks.</p> <p>Default: false</p>
<code>report.mail.server=[server]</code>	<p>Specifies the mail server used to send reports.</p>
<code>report.mail.port=[port]</code>	<p>Specifies the mail server host's port number.</p> <p>Default: 25</p>
<code>report.mail.security=[SL  STARTTLS  NONE]</code>	<p>Specifies the desired security. Available settings are SSL, STARTTLS, NONE. SSL is not available in Visual Studio.</p>
<code>report.mail.subject=My New Subject</code>	<p>Specifies the subject line of the emails sent. The default subject line is <code>\${tool_name} Report - \${config_name}</code>. For example, if you want to change the subject line to "Report for Project A", you would use</p> <pre>report.mail.subject=Report for Project A</pre> <p>Default: <code>\${tool_name} Report - \${config_name}</code></p>
<code>report.mail.time_delay=[server]</code>	<p>Specifies a time delay between emailing reports (to avoid bulk email restrictions).</p> <p>Default: 0</p>

<code>report.mail.unknown=[email_address OR user_name_of_the_same_domain]</code>	Specifies where to mail reports for errors assigned to "unknown".
<code>report.mail.username=[username]</code> <code>report.mail.password=[password]</code> <code>report.mail.realm=[realm]</code>	Specifies the settings for SMTP server authentication.  The <code>realm</code> value is required only for those servers that authenticate using SASL realm.
<code>report.metrics_details=true false</code>	Determines whether an XML report with metrics summary information (as well as individual class and method detail data where applicable) is produced. This report will be generated only when a metrics-enabled Test Configuration is run. Metrics details will be shown in HTML and PDF reports.  Default: <code>true</code>
<code>report.setup.problems=top bottom hidden</code>	Determines whether reports include a section about setup problems.  <code>top</code> - Adds a "Setup Problems" section to the top of the report. This is the default.  <code>hidden</code> - Prevents a "Setup Problems" section from being added.  <code>bottom</code> - Adds a "Setup Problems" section to the bottom of the report.  Default: <code>bottom</code>
<code>report.suppressed_msgs=true false</code>	Determines whether reports include suppressed messages.  Default: <code>false</code>
<code>report.test_params=true false</code>	Determines whether reports include test parameter details.  Default: <code>false</code>
<code>report.ue_coverage_details_htmls=[coverage_type]</code>	Determines whether a test's HTML report links to another report that includes source code annotated with line-by-line coverage details.  The following values can be used for <code>[coverage_type]</code> :  LC - for line coverage SC - for statement coverage BCC - for block coverage DC - for decision coverage SCC - for simple condition coverage MCDC - for MC/DC coverage
<code>session.tag=[name]</code>	Specifies a session tag used to label these results. This value is used for uploading summary results to Team Server.  The tag is an identifier of the module checked during the analysis process. Reports for different modules should be marked with different tags.  Default: <code>\${config_name}</code>
<code>tasks.source_control.details=true false</code>	This setting specifies if additional information from source control, such as revisions and comments, is included in the report.

## Parasoft DTP Settings

Setting	Purpose
<code>dtp.enabled=true false</code>	Determines whether the current C/C++-test installation is connected to DTP.
<code>dtp.server=[server]</code>	Specifies the host name of the DTP server.
<code>dtp.port=[port]</code>	Specifies the port number of the DTP server.
<code>dtp.user=[username]</code>	Specifies the username for DTP server authentication.
<code>dtp.password=[password]</code>	Specifies the password for DTP server authentication. We highly recommend that you use an encoded password to ensure successful authentication and increase the level of security; see <a href="#">Creating an Encoded Password</a> .
<code>report.dtp.publish=true false</code>	Enables or disables reporting results to DTP server.

<code>ntp.project=[project_name]</code>	Specifies the name of the DTP project that you want these results linked to.
<code>ntp.additional.settings=[KEY1\=VALUE1\nKEY2\=VALUE2...]</code>	Specifies advanced settings for reporting results to DTP.
<code>ntp.autoconfig=true false</code>	Enables autoconfiguration with C/C++test settings stored on the DTP server


## Team Server Settings

Setting	Purpose
<code>tcm.server.enabled=true false</code>	Determines whether C/C++test is connected to the Parasoft Team Server. Default: false
<code>tcm.server.name=[name]</code>	Specifies the machine name or IP address of the machine running Team Server.
<code>tcm.server.port=[port]</code>	Specifies the Team Server port number. Default: 18888
<code>tcm.server.accountLogin=true false</code>	Determines whether username and password are submitted to connect to Team Server. Usernames/passwords are not always needed; it depends on your team's setup.
<code>tcm.server.username=[username]</code> <code>tcm.server.password=[password]</code>	If the first setting is true, the second and third settings specify the username and password. Note that Team Server must have the username and password setting already enabled before these settings can be used.  <code>tcm.server.accountLogin</code> default: false

## Licensing Settings




See [Manually Adding the License to localsettings](#) for additional notes and examples.

Setting	Purpose
<code>cpptest.license.use_network=true false</code>	Enables or disables retrieving a network license. Example: <code>cpptest.license.use_network=true</code> Default: true  <b>i</b> By default, C/C++test will try to retrieve a license from License Server on the DTP configured as your primary DTP server; see <a href="#">Parasoft DTP Settings</a> . If you want to configure another License Server, enable the <code>license.network.use.specified.server</code> option.
<code>cpptest.license.local.password=[password]</code>	Specifies the local password that you want C/C++test to use.
<code>cpptest.license.local.expiration=[expiration]</code>	Specifies the expiration date of the local license. Default: 0
<code>cpptest.license.network.edition=[edition_name]</code>	Specifies the type of license that you want C/C++test to retrieve from License Server.  [edition_name] can be automation_edition. To use a custom edition, do not set anything after the "="; simply leaving the value empty. Example: <code>cpptest.license.network.edition=desktop_edition</code> <code>cpptest.license.network.edition=automation_edition</code> Default: custom_edition

<code>cpptest. license. custom_editi on_features= [feature name]</code>	Specifies the features you want to enable in the custom edition of the C/C++test license.
<code>cpptest. license. wait.for. tokens.time= [time in minutes]</code>	Specifies the time that C/C++test will wait for a license if a license is not currently available.  For example to make C++test wait 3 minutes for license tokens, use <code>cpptest.wait.for.tokens.time=3</code> .  Default: 0
<code>cpptest. license. autoconf. timeout= [seconds]</code>	Specifies the maximum number of seconds C/C++test will wait for the license to be automatically configured from License Server.  Default: 20
<code>license. network.use. specified. server=true  false</code>	Enables or disables retrieving the license from a custom License Server specified with the <code>license.network.host</code> and <code>license.network.port</code> options.  Example: <code>license.network.use.specified.server=true</code>  Default: <code>false</code>
<code>license. network. host=[host]</code>	Specifies the host name of the standalone License Server, secondary DTP, or legacy License Server that you use to obtain the license. It requires the <code>license.network.use.specified.server</code> option set to <code>true</code> .  Example: <code>license.network.host=jade.mycompany.com</code>   If you retrieve the license from a standalone License Server that uses the HTTPS protocol, precede the hostname with <code>https://</code> .
<code>license. network. port=[port]</code>	Specifies the port number that is assigned to License Server specified with the <code>license.network.host</code> option. <ul style="list-style-type: none"><li>▪ For a standalone License Server: Depends on your Tomcat settings; typically, a HTTP port, for example, 8080.</li><li>▪ For License Server on secondary DTP: Typically, a HTTPS port, for example 443 or 8443.</li><li>▪ For legacy License Server: Typically, 2002.</li></ul> Example: <code>license.network.port=2222</code>
<code>license. network. connection. type= [http tcp]</code>	Specifies the connection type if you obtain your license from a custom License Server.  <code>http</code> : Allows you to obtain the license from a standalone License Server or License Server on secondary DTP.  <code>tcp</code> : Allows you to obtain the license from Legacy License Server.  It requires the <code>license.network.use.specified.server</code> , <code>license.network.host</code> , and <code>license.network.port</code> to be enabled.  Example: <code>license.network.connection.type=http</code>
<code>license. network. auth. enabled=true  false</code>	Enables or disables authentication on the secondary DTP server specified with the <code>license.network.host</code> and <code>license.network.port</code> options.  It requires the <code>license.network.use.specified.server</code> option to be set to <code>true</code> .
<code>license. network. user= [username]</code>	Specifies the username for authentication on the secondary DTP server specified with the <code>license.network.host</code> and <code>license.network.port</code> options. It requires the <code>license.network.use.specified.server</code> and <code>license.network.auth.enabled</code> options set to <code>true</code> .  Example: <code>license.network.user=JohnSnow</code>
<code>license. network. password= [password]</code>	Specifies the password for authentication on the secondary DTP server specified with the <code>license.network.host</code> and <code>license.network.port</code> options. It requires the <code>license.network.use.specified.server</code> and <code>license.network.auth.enabled</code> options set to <code>true</code> , and the <code>license.network.user</code> to be configured. We highly recommend that you use an encoded password to ensure successful authentication and increase the level of security; see <a href="#">Creating an Encoded Password</a> .  Example: <code>license.network.password=Wic2019!</code>

## OpenID Connect Settings

Setting	Purpose
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oidc.enabled=true   false	Enables or disables user authentication via OpenID Connect.  The default is false.
oidc.issuer.uri=[uri]	Specifies the URI of the OpenID Connect server where your DTP is registered.
oidc.client.id=[id]	Specifies the ID registered on your OpenID Connect server.
oidc.client.secret=[password]	Specifies the password provided by your OpenID Connect server.
oidc.keystore=[path]	Specifies the path to the keystore file that stores the certificate to authenticate the user on the OpenID Connect server.  They keystore file can only store one certificate. Parasoft testing tools do not support keystores with multiple certificates.
oidc.keystore.password=[password]	Specifies the password to the the keystore file that stores the self-signed client certificate. We highly recommend that you use an encoded password to ensure successful authentication and increase the level of security; see <a href="#">Creating an Encoded Password</a> .
oidc.callback.host=localhost   127.0.0.1	This setting specifies the local callback host configured in the IDE to communicate with the OpenID Connect server.   This is an IDE-related setting and is not intended for command line use.  The default is localhost.
oidc.callback.port=0   [port number]	This setting specifies the callback port number configured in the IDE to communicate with the OpenID Connect server.   This is an IDE-related setting and is not intended for command line use.  0: The port will be automatically configured.  The default is 0.
oidc.callback.timeout=[seconds]	This setting specifies the maximum time allowed for providing user credentials on the authentication page to authenticate on DTP via OpenID Connect when working with C/C++test in the IDE.   This is an IDE-related setting and is not intended for command line use.  The default is 60.

## Technical Support Settings

Setting	Purpose
techsupport.auto_creation=true   false	Determines whether archives are automatically prepared when testing problems occur.  Default: false
techsupport.send_email=true   false	Determines whether prepared archives are emailed to Parasoft support. If you enable this, be sure to specify email settings from the GUI or with the options in <a href="#">Reporting Settings</a> .  Default: false
techsupport.archive_location=[directory]	Specifies where archives are stored.
techsupport.verbose=true   false	Determines whether verbose logs are included in the archive. Note that this option cannot be enabled if the logging system has custom configurations. <ul style="list-style-type: none"> <li>Verbose logs are stored in the <code>xtest.log</code> file within the user-home temporary location (on Windows, this is <code>&lt;drive&gt;:\Documents and Settings\&lt;user&gt;\Local Settings\Temp\parasoft\xtest</code>).</li> <li>Verbose logging state is cross-session persistent (restored on application startup).</li> <li>The log file is a rolling file: it won't grow over a certain size, and each time it achieves the maximum size, a backup will be created.</li> </ul> Default: false
techsupport.verbose.scontrol=true   false	Determines whether verbose logs include output from source control commands. Note that the output could include fragments of your source code.  Default: false

<code>techsupport.item.general=true false</code>	Determines whether general application logs are included. Default: false
<code>techsupport.item.environment=true false</code>	Determines whether environment variables, JVM system properties, platform details, additional properties (memory, other) are included in the archive. Default: false
<code>techsupport.advanced=true false</code>	Specifies if advanced options will be sent. Default: false
<code>techsupport.advanced.options=[option]</code>	Specifies any advanced options that the support team asked you to enter. Default: false
<code>techsupport.dtp.engine=true false</code>	Specifies if additional data generated during analysis will be sent. Default: false

## Authorship/Scope Settings

Setting	Purpose
<code>authors.mappings.location=team local shared</code>	<p>Specifies where the authorship mapping file is stored. This setting defaults to <code>team</code> unless <code>local</code> or <code>shared</code> is specified.</p> <p>If set to <code>local</code> (recommended), authorship mappings can be set directly in <code>localsettings</code>. See <code>authors.mapping</code> and <code>authors.user{n}</code> for details.</p> <p>If set to <code>shared</code>, you can store mappings in a local file using the <code>authors.mappings.file</code> option.</p> <p>The <code>team</code> and <code>shared</code> options are deprecated. Files specified by these options should be in the previously-used format of:</p> <pre>#author to author user1=user3 user2=user3 #author to email user3=me@parasoft.com</pre> <p>Default: <code>team</code></p>
<code>authors.mapping{n}=[from_user,to_user]</code>	<p>Specifies a specific author mapping for <code>authors.mappings.location=local</code>, as described above.</p> <p>For example:</p> <pre>authors.mappings.location=local authors.mapping1=baduser,gooduser authors.mapping2=brokenuser,fixduser authors.mapping3=olduser,newuser</pre>
<code>authors.user{n}=[username,email,full_name]</code>	<p>Specifies a specific author name and email for <code>authors.mappings.location=local</code>.</p> <p>For example:</p> <pre>authors.user1=dan,dan@parasoft.com,Dan Stowe authors.user2=jim,jim@parasoft.com,Jim White</pre>
<code>authors.mappings.file=[path]</code>	<p>Specifies the location of a "shared" file as described in <code>authors.mappings.location</code> above.</p> <p>For example:</p> <pre>authors.mappings.file=/home/user/dev/temp/author_mapping1.txt</pre>
<code>authors.ignore.case=true false</code>	<p>Determines whether author names are case sensitive. If true, David and david will be considered the same user. If false, David and david will be considered two separate users.</p> <p>Default: false</p>
<code>scope.sourcecontrol=true false</code>	<p>Determines whether C++test computes code authorship based on a data from a supported source control system. This setting is not needed if you want to use the value specified in the GUI.</p> <p>Default: false</p>



scope.local=true false	Determines whether C++test computes code authorship based on the local user. This setting is not needed if you want to use the value specified in the GUI.  Default: true
scope.recommended.computation=first random	Determines how C/C++test selects the Recommended Tasks for each team member—it can choose n tasks at random (the default) or select the first n tasks reported (n is the maximum number of tasks that C/C++test is configured to show each team member per day)
scope.xmlmap=true false	Determines whether task assignment is computed based on XML files that define how you want tasks assigned for particular files or sets of files (these mappings can be specified in the GUI then saved in an XML file).  Default: true
scope.xmlmap.file=[file]	Specifies the name of the XML file that defines how you want tasks assigned for particular files or sets of files.

## Source Control Settings

### Defining multiple repositories of the same type

Indexes (numbered from 1 to n) must be added to the prefix if you want to define more than one repository of the same type. For example:

```
scontrol.rep1.type=ccase
scontrol.rep1.ccase.vob=/vobs/myvob1
```

```
scontrol.rep2.type=ccase
scontrol.rep2.ccase.vob=/vobs/myvob2
```

If you are defining only one repository, you do not need to use an index. For example:

```
scontrol.rep.type=ccase
scontrol.rep.ccase.vob=/vobs/myvob1
```

## AccuRev Repository Definition Properties

Property	Description
scontrol.rep.type=accurev	AccuRev repository type identifier.
scontrol.rep.accurev.host=	AccuRev server host.
scontrol.rep.accurev.port=	AccuRev server port. Default port is 1666.
scontrol.rep.accurev.login=	AccuRev user name.
scontrol.rep.accurev.password=	AccuRev password.

## ClearCase Repository Definition Properties

Property	Description
scontrol.ccase.exec=	Path to external client executable (cleartool).
scontrol.rep.type=ccase	ClearCase repository type name.
scontrol.rep.ccase.vob=	Path inside VOB. ccase.vob value + File.separator must be the valid path to a ClearCase controlled directory.

## CVS Repository Definition Properties

Property	Description
scontrol.rep.type=cvs	CVS repository type identifier.
scontrol.rep.cvs.root=	Full CVSROOT value.

scontrol.rep.cvs.pass=	<p>Plain or encoded password. The encoded password should be the same as in the .cvspass file.</p> <p>For CVS use the value in .cvspass from within the user's home directory</p> <p>For CVSNT use the value store in the registry under HKEY_CURRENT_USER\Software\Cvsnt\cvspass</p> <p>When you are first logged in to the CVS repository from the command line using "cvs login", the password is saved in the registry. To retrieve it, go to the registry (using regedit), and look for the value under HKEY_CURRENT_USER-&gt;CVSNT&gt; cvspass. This should display your entire login name (:pserver:exampleA@exampleB:/exampleC) encrypted password value.</p>
scontrol.rep.cvs.useCustomSSHCredentials=	Determines whether the cvs login and password should be used for EXT/SSH connections. Allowed values are true and false. It is disabled by default.
scontrol.rep.cvs.ext.server	<p>If connecting to a CVS server in EXT mode, this specifies which CVS application to start on the server side.</p> <p>Has the same meaning as the CVS_SERVER variable .cvs is the default value.</p>
scontrol.rep.cvs.ssh.loginname=	Specifies the login for SSH connections (if an external program can be used to provide the login).
scontrol.rep.cvs.ssh.password=	Specifies the password for SSH connection.
scontrol.rep.cvs.ssh.keyfile=	Specifies the private key file to establish an SSH connection with key authentication.
scontrol.rep.cvs.ssh.passphrase=	Specifies the passphrase for SSH connections with the key authentication mechanism.
scontrol.rep.cvs.useShell=	Enable an external program (CVS_RSH) to establish a connection to the CVS repository. Allowed values are true and false. It is disabled by default.
scontrol.rep.cvs.ext.shell=	Specifies the path to the executable to be used as the CVS_RSH program. Command line parameters should be specified in the cvs.ext.params property.
scontrol.rep.cvs.ext.params=	<p>Specifies the parameters to be passed to an external program. The following case-sensitive macro definitions can be used to expand values into command line parameters:</p> <ul style="list-style-type: none"> <li>• {host} repository host</li> <li>• {port} port</li> <li>• {user} cvs user</li> <li>• {password} cvs password</li> <li>• {extuser} parameter cvs.ssh.loginname</li> <li>• {extpassword} parameter cvs.ssh.password</li> <li>• {keyfile} parameter cvs.ssh.keyfile</li> <li>• {passphrase} parameter cvs.ssh.passphrase</li> </ul>

## Git Repository Definition Properties

Property	Description
scontrol.rep.type=git	Git repository type identifier.
scontrol.git.exec=	Path to Git executable. If not set, assumes git command is on the path.
scontrol.rep.git.branch=	The name of the branch that the source control module will use. This can be left blank and the currently checked out branch will be used.
scontrol.rep.git.url=	The remote repository URL (e.g., git://hostname/repo.git).
scontrol.rep.git.workspace=	The directory containing the local git repository.

## Perforce Repository Definition Properties

Property	Description
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<code>scontrol.perforce.exec=</code>	Path to external client executable (p4).
<code>scontrol.rep.type=perforce</code>	Perforce repository type identifier.
<code>scontrol.rep.perforce.host=</code>	Perforce server host.
<code>scontrol.rep.perforce.port=</code>	Perforce server port. Default port is 1666.
<code>scontrol.rep.perforce.login=</code>	Perforce user name.
<code>scontrol.rep.perforce.password=</code>	Password.
<code>scontrol.rep.perforce.client=</code>	The client workspace name, as specified in the P4CLIENT environment variable or its equivalents. The workspace's root dir should be configured for local path (so that files can be downloaded).

## Serena Dimensions Repository Definition Properties

Property	Description
<code>scontrol.rep.type=serena</code>	Serena Dimensions repository type identifier.
<code>scontrol.serena.dmroot=</code>	Path to the Serena Dimensions executable (e.g., <code>scontrol.serena.dmroot=C:\Program Files (x86)\Serena\Dimensions 2009 R2\CM\</code> )
<code>scontrol.rep.serena.login=</code>	Login name.
<code>scontrol.rep.serena.password=</code>	Password.
<code>scontrol.rep.serena.host=</code>	Serena Dimensions server host name.
<code>scontrol.rep.serena.dbname=</code>	Name of the database for C/C++test
<code>scontrol.rep.serena.dbconn=</code>	Connection string for that database.
<code>scontrol.rep.serena.locale=</code>	The language used (e.g., <code>scontrol.rep.serena.locale=en_US</code> ).
<code>scontrol.rep.serena.mapping=</code>	If the project has been downloaded/moved to a location other than default work area, use this option to specify a mapping between the project (or stream) with the Serena repository and the local project.  If you are working in the default work area, you do not need to define mappings.

## StarTeam Repository Definition Properties

Property	Description
<code>scontrol.rep.type=starteam</code>	StarTeam repository type identifier.
<code>scontrol.rep.starteam.host=</code>	StarTeam server host.
<code>sscontrol.rep.starteam.port=</code>	StarTeam server port. Default port is 49201.
<code>scontrol.rep.starteam.login=</code>	Login name.

scontrol.rep.starteam.password=	Password (not encoded).
scontrol.rep.starteam.path=	<p>When working with large multi-project repositories, you can improve performance by specifying the project, view, or folder that you are currently working with.</p> <p>You can indicate either a simple Project name (all views will be scanned when searching for the repository path), a Project/View (only the given view will scanned) or Project/View/Folder (only the specified Star Team folder will be scanned).</p> <p>Examples:</p> <pre>scontrol.rep.starteam.path=proj1 scontrol.rep.starteam.path=proj1/view1 scontrol.rep.starteam.path=proj1/view1/folderA scontrol.rep.starteam.path=proj1/view1/folderA/folderB</pre>
scontrol.rep.starteam.workdir=	<p>If the scontrol.rep.starteam.path setting specifies a StarTeam view or folder, you can use this field to indicate a new working directory for the selected view's root folder (if the path represents a view) or a new working directory for the selected folder (if the path represents a folder).</p> <p>Examples:</p> <pre>scontrol.rep.starteam.workdir=c:\\storage\\dv scontrol.rep.starteam.workdir=/home/storage/dv</pre>

## Subversion Repository Definition Properties

Property	Description
scontrol.rep.type=svn	Subversion repository type identifier.
scontrol.rep.svn.url=	Subversion URL specifies protocol, server name, port and starting repository path (e.g., svn://buildmachine.foobar.com/home/svn).
scontrol.rep.svn.login=	Login name.
scontrol.rep.svn.password =	Password (not encoded).
scontrol.svn.exec=	Path to external client executable (svn).

## CM Synergy Repository Definition Properties

Property	Description
scontrol.rep.type=synergy	Synergy/CM repository type identifier.
scontrol.rep.synergy.host=	Computer on which synergy/cm engine runs. Local host is used when missing. <i>For Web mode, the host must be a valid Synergy Web URL with protocol and port (e.g., http://synergy.server:8400).</i>
scontrol.rep.synergy.dbpath=	Absolute synergy database path e.g \\host\db\name (backslash symbols \ in UNC/Windows paths must be doubled).
scontrol.rep.synergy.projspec=	Synergy project spec which contains project name and its version e.g name-version.
scontrol.rep.synergy.login=	Synergy user name.
scontrol.rep.synergy.password=	Synergy password (not encoded).
scontrol.rep.synergy.port=	Synergy port.
scontrol.rep.synergy.remote_client=	(UNIX only) Specifies that you want to start ccm as a remote client. Default value is false. Optional. <i>This is not used for Web mode.</i>
scontrol.rep.synergy.local_dbpath=	Specifies the path name to which your data-base information is copied when you are running a remote client session. If null, then the default location will be used. <i>This is not used for Web mode.</i>
scontrol.synergy.exec=	Path to external client executable (ccm)

## Microsoft Team Foundation Server Repository Definition Properties

Property	Description
<code>scontrol.rep.type=tfs</code>	TFS repository type identifier.
<code>scontrol.rep.tfs.host=</code>	Name of the machine running TFS.
<code>scontrol.rep.tfs.port=</code>	TFS server's port number (optional; when not specified, 8080 is used).
<code>scontrol.rep.tfs.protocol=</code>	The protocol used to connect to TFS server. Available values are HTTP and HTTPS.
<code>scontrol.rep.tfs.url=</code>	TFS repository URL (for example, <code>http://localhost:8080/tfs</code> ).
<code>scontrol.rep.tfs.login =</code>	TFS user name.
<code>scontrol.rep.tfs.password=</code>	TFS password.

## Microsoft Visual Source Safe Repository Definition Properties

Property	Description
<code>scontrol.rep.type=vss</code>	Visual SourceSafe repository type identifier.
<code>scontrol.rep.vss.ssdirep.dir=</code>	Path of repository database (backslash symbols '\' in UNC/Windows paths must be doubled).
<code>scontrol.rep.vss.projpath=</code>	VSS project path.
<code>scontrol.rep.vss.login=</code>	VSS login.
<code>scontrol.rep.vss.password=</code>	VSS password.
<code>scontrol.vss.exec=</code>	Path to external client executable ( <code>ss</code> ).
<code>scontrol.vss.lookup=</code>	Determines whether a full VSS database search is performed to find associations between local paths and repository paths. True or false.

## Important Notes

- The `repository(n).vss.ssdirep.dir` property should contain a UNC value even if the repository database resides locally.
- Be aware of VSS Naming Syntax, Conventions and Limitations. Any character can be used for names or labels, except the following:
  - Dollar sign (\$)
  - At sign (@)
  - Angle brackets (< >), brackets ([ ]), braces ({ }), and parentheses ( ( ))
  - Colon (: ) and semicolon (;)
  - Equal sign (=)
  - Caret sign (^)
  - Exclamation point (!)
  - Percent sign (%)
  - Question mark (?)
  - Comma (,)
  - Quotation mark (single or double) ( " )
- VSS 6.0 (build 8163), which is deployed with Visual Studio 6, does not work properly with projects whose names start with a dot (.) symbol. If such a project name is used, subprojects cannot be added.
- Do not use custom working directories for sub-projects (example: Project `$/SomeProject` has the working directory `C:\TEMP\VSS\SomeProject` and its subproject `$/SomeProject/SomeSubProject` has the working directory `D:\SomeSubProject`).

## File Encoding Settings

Setting	Purpose
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<code>fileencoding.mode=default user auto</code>	<p>Defines how file encoding is calculated.</p> <p><code>default</code> specifies that you want to use system properties.</p> <p><code>user</code> indicates that you will explicitly specify the encoding name (using the setting below).</p> <p><code>auto</code> enables automatic detection of encoding for the Far-East language specified with <code>fileencoding.autolanguage</code>.</p> <p>Default: <code>default</code></p>
<code>fileencoding.user-encoding=&lt;name_of_encoding&gt;</code>	<p>If <code>fileencoding.mode</code> is set to <code>user</code>, this specifies the encoding name</p> <p>Valid names are ASCII-US, UTF-8, UTF-16, UTF-16LE, UTF-16BE or java.nio canonical name.</p> <p>It should be specified in form <code>parasoft-dotNET-[codepagenumber]</code></p>
<code>fileencoding.auto-language=&lt;language's numeric_code&gt;</code>	<p>If <code>fileencoding.mode</code> is set to <code>auto</code>, this specifies the language's numeric code. Valid codes are:</p> <ul style="list-style-type: none"> <li>• JAPANESE = 1</li> <li>• CHINESE = 2</li> <li>• SIMPLIFIED CHINESE = 3</li> <li>• TRADITIONAL CHINESE = 4</li> <li>• KOREAN = 5</li> </ul>

## Miscellaneous Settings

Setting	Purpose
<code>report.rules=[url_path_to_rules_directory]</code>	<p>Specifies the directory for rules html files (generated by clicking the <code>Printable Docs</code> button in the Test Configuration's Static Analysis tab).</p> <p>For example:</p> <pre>report.rules=file:///C:/Temp/Burt/parasoft/xtest/gendoc/report.rules=../gendoc/</pre> <p>Default: none</p>
<code>tasks.clear=true false</code>	<p>Clears existing tasks upon startup in cli mode. This prevents excessive time being spent "loading existing results."</p> <p>Default: true</p>
<code>console.verbosity.level=low normal high</code>	<p>Specifies the verbosity level for the Console view. Available settings are:</p> <p><code>low</code>: Configures the Console view to show errors and basic information about the current step's name and status (done, failed, up-to-date).</p> <p><code>normal</code>: Also shows command lines and issues reported during test and analysis.</p> <p><code>high</code>: Also shows warnings.</p> <p>Default: low</p>
<code>cpptest.custom.rules.dir=[directory]</code>	<p>Indicates where user-defined rules are saved.</p>
<code>cpptest.custom.configs.dir=[directory]</code>	<p>Indicates where user-defined Test Configurations are saved.</p>
<code>custom.compilers.dir=[directory]</code>	<p>Overrides the custom compiler directory settings (found in <b>Parasoft&gt; Configurations&gt; Custom compilers</b>) and uses the defined directory to search for custom compilers.</p>
<code>exec.env=[env1; env2; ...]</code>	<p>Specifies a list of tags that describe the environment where a test session was executed. Tags could describe an operating system (e.g. Windows, Linux), an architecture (e.g. x86, x86_64), a compiler, a browser, etc. These tags describe a complete test session; more environment details could be also added at the test suite, test, or test case levels via the services API.</p>

<pre>issue.tracking.tags=[value]</pre>	<p>Specifies custom issue tracking tags. Multiple tags can be separated by a comma. For example:</p> <pre>issue.tracking.tags=@custom,@pr ,@fr</pre> <p>For more details, see <a href="#">Indicating Code and Test Correlations</a>.</p>
<pre>parallel.mode=Manual Auto Disabled</pre>	<p>Determines which of the following modes is active:</p> <ul style="list-style-type: none"> <li>• <b>Auto</b>: Allows C/C++test to control parallel processing settings.</li> <li>• <b>Manual</b>: Allows you to manually configure parallel processing settings to suit your specific needs.</li> <li>• <b>Disabled</b>: Configures C/C++test to use only one of the available CPUs.</li> </ul> <p>For more details on this and other parallel processing options, see <a href="#">Configuring Parallel Processing</a>.</p> <p>Default: Auto</p>
<pre>parallel.max_threads=&lt;number&gt;</pre>	<p>Specifies the maximum number of parallel threads that can be executed simultaneously. The actual number of parallel threads is determined based on the number of CPUs, available memory, and license settings.</p> <p>Default: [available_processors]</p>
<pre>parallel.free_memory_limit=&lt;percentage&gt;</pre>	<p>Specifies the amount of memory that should be kept free in low memory conditions (expressed as a percentage of the total memory available for the application). This is used to ensure that free memory is available for other processes.</p> <p>Default: 25</p>
<pre>parallel.no_memory_limit=true false</pre>	<p>Indicates that you do not want to place any restrictions (beyond existing system limitations) on the memory available to Parasoft Test.</p> <p>Default: false</p>

## Using Variables in Local Settings (Options) Files

The following variables can be used in report, e-mail, Parasoft DTP, Team Server, and license settings.

⚠ The session tag value must not contain any ':' characters.

### env\_var

example: \${env\_var:HOME}

Outputs the value of the environmental variable specified after the colon.

### project\_name

example: \${project\_name}

Outputs the name of the tested project. If more than one project is provided as an input, it first outputs the tested project name, then "..."

### workspace\_name

example: \${workspace\_name}

Outputs the Solution name.

### config\_name

\$ example: \${config\_name}

Outputs the name of executed test configuration; applies only to report and email settings.

### analysis\_type

\$ example: \${analysis\_type}

Outputs a comma separated list of enabled analysis types (for example: Static, Generation, Execution); applies only to reports and email settings.

### tool\_name

\$ example: \${tool\_name}

Outputs the tool name (for example: C/C++test).

# Examples

## Example 1

```
# Report settings
report.developer_errors=true
report.developer_reports=true
report.format=html
session.tag=<project name>

# Mail settings:
report.mail.enabled=true
report.mail.cc=<manager1@mailserver.com1;manager2@mailserver.com1>
report.mail.server=mail.company.com
report.mail.domain=company.com
report.mail.subject=<Static Analysis results on Project X>
report.mail.attachments=true
```

## Example 2

```
# Parasoft DTP settings
dtp.enabled==true
dtp.server=server1.mycompany.com
dtp.port=32323
dtp.user=smith
dtp.password=?1q2W3e4R5t6Y7u8I9o!

# Mail settings
report.mail.enabled=true
report.mail.server=mail.mycompany.com
report.mail.domain=mycompany.com
report.mail.cc=project_manager
report.mail.subject=Coding Standards
```

## Example 3

```
# REPORTS

#Determines whether reports are emailed to developers and to the additional recipients specified with the cc
setting.
#Remember that if the team is using CVS for source control and each developer's email address matches his or
her CVS username + the mail domain, each developer that worked on project code will automatically be sent a
report that contains only the errors/results related to his or her work.

report.mail.enabled=true

#Exclude developers emails (true/false)
report.mail.exclude.developers=false

# Append developers errors to manager emails (true/false)
report.developer_errors=true

# Send reports to developers (true|false)
report.developer_reports=true

# Append suppressed messages (true|false)
report.suppressed_msgs=false

#Determines where to mail complete test reports.
#This setting is typically used to send reports to managers or architects.
#It can also be used to send reports to developers if developer reports
#are not sent automatically (for example, because the team is not using CVS).
report.mail.cc=manager@domain.com; ${env_var:USERNAME} @domain.com
```



```
# mail target for unknown developer errors
report.mail.unknown=manager@domain.com

#Specifies the mail server used to send reports.
report.mail.server=mail_server.domain.com

#Specifies the mail domain used to send reports.
report.mail.domain=domain.com

#Specify mali from
report.mail.from=nightly

#Specifies any email addresses you do not want to receive reports.
#This setting is used to prevent from automatically sending reports to someone that worked on the code, but
should not be receiving reports. This setting is only applicable if the team is using CVS for source control
and developer reports are being sent automatically.
report.mail.exclude=developer1;developer2

# Specifies the subject line of the emails sent.
report.mail.subject= ${tool_name} Report - ${config_name}

# Report test params include (true|false)
report.test_params=true

# Team Server

#Determines whether the current installation is connected to the Team Server.
tcm.server.enabled=true

#Specifies the machine name or IP address of the machine running Team Server.
tcm.server.name=team_server.domain.com

#Specifies the Team Server port number.
tcm.server.port=18888

tcm.server.accountLogin=true
tcm.server.username=user
tcm.server.password=password
session.tag= ${config_name}

# SCOPE

#code authorship based on CVS
scope.sourcecontrol=true

#code authorship based on author tag
scope.author=false

#code authorship based on local user
scope.local=false

# LICENSE

#network license retrieved from DTP
dtp.enabled=true
dtp.server=onya.mycompany.com
dtp.port=443
dtp.user=user1
dtp.password=myspassword
cpptest.license.use_network=true

# SOURCE CONTROL

scontrol.repl.type=cvs
scontrol.repl.cvs.root=:pserver:developer@cvs_server.domain.com:/home/cvs/scontrol.repl.cvs.pass=myspassword
```