

Configuring Localsettings

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About Localsettings

You can specify local settings that control how SOAtest reports are generated, connections to other Parasoft systems, such as Development Testing Platform (DTP), error authorship settings, and more. If a parameter is specified in this file and there is an equivalent parameter in the GUI's Preferences panel (available from **Parasoft> Preferences**), the parameter set in this file will override the related parameter specified from the GUI.

Localsettings can be used to:

- Enter GUI-specified and manually-specified settings into Parasoft Development Testing Platform, which centralizes reporting and preference distribution across the team.
- 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).
- Adjust settings without having to open the GUI.
- Share preferences across a team, as well as to apply different groups of settings to different projects and test runs.

Defining Localsettings

There are two ways to define localsettings:

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

Using Variables in Localsettings

For a list of variables that can be used to configure settings, see [Using Variables in Preference Settings](#).

Specifying Which Localsettings to Use

You can store localsettings in DTP where they are automatically applied to connected tools or in a local file where they can be specified from the command line.

Multiple layers of localsettings can be active for a single test run.

For details on how to store and apply localsettings, see [Configuring Preferences Overview](#).

Localsettings Notes

- Each setting should be entered on a single line.
- If a parameter is specified in localsettings, it will override the related parameter specified from the GUI. If a parameter is not specified in localsettings, the parameter specified in the GUI will be used.
- If you are importing preferences from localsettings specified in DTP and you want to override these settings from the GUI, you can disable the **Use Concerto 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</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>Default: <code>build-yyyy-MM-dd HH:mm:ss</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: <code>false</code></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: <code>false</code></p>
<code>report.associations</code>	<p>Specifies whether the report shows requirements, defects, tasks, and feature requests that are associated with a test.</p> <p>Default: <code>false</code></p>
<code>report.authors_details</code>	<p>Determines whether the report includes an overview of the number and type of tasks assigned to each team member.</p> <p>Default: <code>true</code></p>
<code>report.contexts_details</code>	<p>Determines whether the report includes an overview of the files that were checked or executed during testing.</p> <p>Default: <code>false</code></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 Configuring Report Settings.</p>
<code>report.developer_errors=true false</code>	<p>Determines whether manager reports include details about team member tasks.</p> <p>Default: <code>false</code></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: <code>true</code></p>
<code>report.format=html pdf sate xunit custom</code>	<p>Specifies the report format.</p> <p>Default: <code>html</code></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: <code>true</code></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.</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.</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: <code>false</code></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.</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 team member with assigned tasks will automatically be sent a report that contains only the assigned tasks.</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 team members.</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: <global_user_name></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.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.server=[server]</code>	<p>Specifies the mail server used to send reports.</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 "Jtest Report for Project A", you would use</p> <pre>report.mail.subject=jtest 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>	<p>Specifies where to mail reports for errors assigned to "unknown".</p>

report.mail.username=[username] report.mail.password=[password] report.mail.realm=[realm]	Specifies the settings for SMTP server authentication. The realm value is required only for those servers that authenticate using SASL realm.
report.metrics_details=true false	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: true
report.setup.problems=top bottom hidden	Determines whether reports include a section about setup problems. top - Adds a "Setup Problems" section to the top of the report. This is the default. hidden - Prevents a "Setup Problems" section from being added. bottom - Adds a "Setup Problems" section to the bottom of the report. Default: bottom
report.suppressed_msgs=true false	Determines whether reports include suppressed messages. Default: false
report.test_params=true false	Determines whether reports include test parameter details. Default: false
report.test_suites_only=true false	Determines whether the Test Suite Summary report section only lists the .tst files (with this option enabled) or displays a tree-like view of the individual tests in each .tst file (with this option disabled). <i>SOAtest only</i> Default: true
report.ue_coverage_details_htmls=[coverage_type]	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 [coverage_type]: LC - for line coverage SC - for statement coverage (C/C++test only) BCC - for block coverage (C/C++test only) DC - for decision coverage (C/C++test, Jtest only) SCC - for simple condition coverage (C/C++test only) MCDC - for MC/DC coverage (C/C++test only)
session.tag=[name]	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: \${config_name}
tasks.source_control_details=true false	This setting specifies if additional information from source control, such as revisions and comments, is included in the report.

Parasoft DTP Settings

Setting	Purpose
ntp.autoconfig=true false	Enables auto-configuration using settings stored in DTP. Default: false
ntp.enabled=true false	Determines whether SOAtest or Virtualize is connected to DTP. Default: false
ntp.user=[username]	Specifies the username for DTP user authentication.
ntp.password=[password]	Specifies the password for DTP user authentication.
report.ntp.publish=true	Enables/disables publishing test result data to DTP.

<code>.dtp.server=[host]</code>	Specifies the host name of the Parasoft DTP server.
<code>.dtp.project=[project_name]</code>	Specifies the name of the DTP project that you want these results linked to. For more details on general projects, see Connecting to Parasoft Development Testing Platform . Default: Default Project
<code>concerto.user_defined_attributes=[attributes]</code>	Specifies the user-defined attributes for Project Center. Use the format <code>key1:value1; key2:value2</code> For more details on attributes, see Connecting to Parasoft Development Testing Platform .
<code>concerto.log_as_nightly=true false</code>	Determines whether the results sent to Project Center are marked as being from a nightly build. Default: false
<code>concerto.use_resource_attributes=true false</code>	Determines whether Project Center attributes specified in the GUI at the project level should be used. This allows you to disable project-level Project Center attributes. Default: true
<code>concerto.data.port=[port]</code>	Specifies the Project Center port. Default: 32323
<code>concerto.reporting=true false</code>	Determines whether the current installation is connected to Project Center. Default: false

Team Server Settings

Setting	Purpose
<code>tcm.server.enabled=true false</code>	Enables/disables the connection 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. tcm.server.accountLogin default: false

Licensing Settings

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

Setting	Purpose
<code>soatest.license.use_network=true false</code>	Determines whether SOAtest retrieves its license from LicenseServer. Example: <code>soatest.license.use_network=true</code> Default: true
<code>soatest.license.network.host=[host]</code>	Specifies the machine name or IP address of the machine running LicenseServer Configuration Manager. Example: <code>soatest.license.network.host=10.9.1.63</code>

<code>soatest.license.network.port=[port]</code>	<p>Specifies the LicenseServer port number.</p> <p>Example: <code>soatest.license.network.port=2222</code></p> <p>Default: 2002</p>
<code>soatest.license.network.edition=[edition_name]</code>	<p>Specifies the type of license to retrieve from License Server.</p> <p><code>[edition_name]</code> can be <code>server_edition</code>. To use a custom edition, do not set anything after the "=" ; simply leaving the value empty.</p> <p>Example:</p> <pre>soatest.license.network.edition=desktop_edition soatest.license.network.edition=server_edition</pre> <p>Default: <code>custom_edition</code></p>
<code>soatest.license.autoconf.timeout=[seconds]</code>	<p>Specifies the maximum number of seconds to wait for the license to be automatically configured from LicenseServer.</p> <p>Default: 20</p>
<code>soatest.license.local.expiration=[expiration]</code>	<p>Specifies the local license that you want to use.</p> <p>Default: 0</p>
<code>soatest.license.local.password=[password]</code>	<p>Specifies the local password that you want to use.</p>
<code>soatest.wait.for.tokens.time=[time in minutes]</code>	<p>Specifies how long to wait for a license if a license is not currently available.</p> <p>Example:</p> <pre>soatest.wait.for.tokens.time=3.</pre> <p>Default: 0</p>

Technical Support Settings

Setting	Purpose
<code>techsupport.auto_creation=true false</code>	<p>Determines whether archives are automatically prepared when testing problems occur.</p> <p>Default: <code>false</code></p>
<code>techsupport.send_email=true false</code>	<p>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 Reporting Settings.</p> <p>Default: <code>false</code></p>
<code>techsupport.archive_location=[directory]</code>	<p>Specifies where archives are stored.</p>
<code>techsupport.verbose=true false</code>	<p>Determines whether verbose logs are included in the archive. Note that this option cannot be enabled if the logging system has custom configurations.</p> <ul style="list-style-type: none"> • Verbose logs are stored in the <code>xtest.log</code> file within the user-home temporary location (on Windows, this is <code><drive>:\Documents and Settings\<user>\Local Settings\Temp\parasoft\xtest</code>). • Verbose logging state is cross-session persistent (restored on application startup). • 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. <p>Default: <code>false</code></p>
<code>techsupport.verbose.scontrol=true false</code>	<p>Determines whether verbose logs include output from source control commands. Note that the output could include fragments of your source code.</p> <p>Default: <code>false</code></p>
<code>techsupport.item.general=true false</code>	<p>Determines whether general application logs are included.</p> <p>Default: <code>false</code></p>

<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.

Authorship/Scope Settings

Setting	Purpose
<code>authors.mappings.location=team local shared</code>	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. 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. If set to <code>shared</code> , you can store mappings in a local file using the <code>authors.mappings.file</code> option. The <code>team</code> and <code>shared</code> options are deprecated. Files specified by these options should be in the previously-used format of: <pre>#author to author user1=user3 user2=user3 #author to email user3=me@parasoft.com</pre> Default: <code>team</code>
<code>authors.mapping{n}=[from_user, to_user]</code>	Specifies a specific author mapping for <code>authors.mappings.location=local</code> , as described above. For example: <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>	Specifies a specific author name and email for <code>authors.mappings.location=local</code> . For example: <pre>authors.user1=dan,dan@parasoft.com,Dan Stowe authors.user2=jim,jim@parasoft.com,Jim White</pre>
<code>authors.mappings.file=[path]</code>	Specifies the location of a "shared" file as described in <code>authors.mappings.location</code> above. For example: <pre>authors.mappings.file=/home/user/dev/temp/author_mapping1.txt</pre>
<code>authors.ignore.case=true false</code>	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. Default: false
<code>scope.sourcecontrol=true false</code>	Determines whether code authorship is computed based on a data from a supported source control system. Default: false
<code>scope.author=true false</code>	Determines whether code authorship is computed based on Javadoc <code>@author</code> tags. <i>Test only</i> Default: true
<code>scope.local=true false</code>	Determines whether code authorship is computed based on the local user. Default: true

<code>scope.recommended.computation=first random</code>	Determines how the Recommended Tasks are selected for each team member. You can set the following modes: <code>random</code> : (default) Assigns a random number tasks. <code>first</code> : The first tasks reported are shown to each team member per day.
<code>scope.xmlmap=true false</code>	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: <code>true</code>
<code>scope.xmlmap.file=[file]</code>	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
<code>scontrol.rep.type=accurev</code>	AccuRev repository type identifier.
<code>scontrol.rep.accurev.host=</code>	AccuRev server host.
<code>scontrol.rep.accurev.port=</code>	AccuRev server port. Default port is 1666.
<code>scontrol.rep.accurev.login=</code>	AccuRev user name.
<code>scontrol.rep.accurev.password=</code>	AccuRev password.

ClearCase Repository Definition Properties

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

CVS Repository Definition Properties

Property	Description
<code>scontrol.rep.type= cvs</code>	CVS repository type identifier.
<code>scontrol.rep.cvs.root=</code>	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->CVSNT> 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"> • {host} repository host • {port} port • {user} cvs user • {password} cvs password • {extuser} parameter cvs.ssh.loginname • {extpassword} parameter cvs.ssh.password • {keyfile} parameter cvs.ssh.keyfile • {passphrase} parameter cvs.ssh.passphrase

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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scontrol.perforce.exec=	Path to external client executable (p4).
scontrol.rep.type=perforce	Perforce repository type identifier.
scontrol.rep.perforce.host=	Perforce server host.
scontrol.rep.perforce.port=	Perforce server port. Default port is 1666.
scontrol.rep.perforce.login=	Perforce user name.
scontrol.rep.perforce.password=	Password.
scontrol.rep.perforce.client=	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

Linux and Solaris Configuration Note (Eclipse)

To use Serena Dimensions, Linux and Solaris users should run SOAtest in an environment prepared for using Serena programs, such as 'dmcli'

- LD_LIBRARY_PATH should contain the path to <SERENA Install Dir>/libs.
- DM_HOME should be specified.

Since many Solaris users commonly set the required Serena variables by running the Serena dmvars.sh file, it is also necessary to modify LD_LIBRARY_PATH variable. To use Serena Dimensions, LD_LIBRARY_PATH needs to include the following items (paths can be different on client machines):

- SSL/Crypto library - /usr/local/ssl/lib
- STDC++ library - /usr/local/lib

Property	Description
scontrol.rep.type=serena	Serena Dimensions repository type identifier.
scontrol.serena.dmroot=	Path to the Serena Dimensions executable (e.g., scontrol.serena.dmroot=C:\Program Files (x86)\Serena\Dimensions 2009 R2\CM\)
scontrol.rep.serena.login=	Login name.
scontrol.rep.serena.password=	Password.
scontrol.rep.serena.host=	Serena Dimensions server host name.
scontrol.rep.serena.dbname=	Name of the database for the product you are working with.
scontrol.rep.serena.dbconn=	Connection string for that database.
scontrol.rep.serena.locale=	The language used (e.g., scontrol.rep.serena.locale=en_US).
scontrol.rep.serena.mapping=	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
scontrol.rep.type=starteam	StarTeam repository type identifier.

scontrol.rep.starteam.host=	StarTeam server host.
sscontrol.rep.starteam.port=	StarTeam server port. Default port is 49201.
scontrol.rep.starteam.login=	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.foo.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
scontrol.rep.type=tfs	TFS repository type identifier.
scontrol.rep.tfs.url=	TFS repository URL (for example, http://localhost:8080/tfs).
scontrol.rep.tfs.login =	TFS user name.
scontrol.rep.tfs.password=	TFS password.

Microsoft Visual Source Safe Repository Definition Properties

Property	Description
scontrol.rep.type=vss	Visual SourceSafe repository type identifier.
scontrol.rep.vss.smdir=	Path of repository database (backslash symbols \ in UNC/Windows paths must be doubled).
scontrol.rep.vss.projpath=	VSS project path.
scontrol.rep.vss.login=	VSS login.
scontrol.rep.vss.password=	VSS password.
scontrol.vss.exec=	Path to external client executable (ss).
scontrol.vss.lookup=	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.smdir 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=<name_of_encoding></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=<language's numeric_code></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"> • JAPANESE = 1 • CHINESE = 2 • SIMPLIFIED CHINESE = 3 • TRADITIONAL CHINESE = 4 • KOREAN = 5

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: <code>true</code></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: <code>low</code></p>
<code>soatest.custom.rules.dir=[directory]</code>	<p>Indicates where user-defined rules are saved.</p>
<code>soatest.custom.configs.dir=[directory]</code>	<p>Indicates where user-defined Test Configurations are saved.</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>
<code>issue.tracking.tags=[value]</code>	<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 Indicating Code and Test Correlations.</p>

parallel. mode=Manual Auto Disabled	<p>Determines which of the following modes is active:</p> <ul style="list-style-type: none"> • Auto: SOAtest controls parallel processing settings. • Manual: Allows you to manually configure parallel processing settings to suit your specific needs. • Disabled: Use only one of the available CPUs. <p>For more details on this and other parallel processing options, see Configuring Parallel Processing.</p> <p>Default: Auto</p>
parallel. max_threads=<number>	<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>
parallel. free_memory_limit=<percentage>	<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>
parallel. no_memory_limit=true false	<p>Indicates that you do not want to place any restrictions (beyond existing system limitations) on the available memory.</p> <p>Default: false</p>

Additional Options for SOAtest and Virtualize

Setting	Purpose
datasources.jdbc. classpath=[path1]; [path2];[path3] ...	<p>Specifies the location of JDBC driver jar files and class folders.</p> <p>Special characters (spaces, slashes, colons, etc.) must be escaped; for instance:</p> <pre>%20 = SPACE %3A = : %5C = \ %7B = { %7D = } %24 = \$</pre> <p>If listing multiple jars, use <code>\n</code> as a delimiter.</p> <p>For example, <code>C:\temp\withspace\\${example}\jar.jar</code> becomes</p> <pre>C%3A%5Ctemp%5Cwith%20space%5C\$2 4%7Bexample%7D%5Cjar.jar\n</pre>
scripting.jython. home	Specifies the Jython installation directory. This must be a single directory. Use a forward slash (/) or backslash (\) to escape special characters.
scripting.jython. path	Used to add to your path modules that are not in your jython.home/Lib directory. Multiple paths can be listed. Use a forward slash (/) or backslash (\) to escape special characters.
scripting.timeout. minutes	Specifies the number of minutes after which the product will attempt to stop an unresponsive script and log an error message.
system.properties. classpath=[path1]; [path2];[path3] ...	Specifies which jar files and class folders are in the classpath. For example: <code>system.properties.classpath=C:\\myjars\\myLib1.jar;C:\\myjars\\myLib2.jar</code>
xml.conversion.data. model.directories	Registers data models that specify how to convert fixed-length data to and from XML. Enter a semicolon-separated list of directories that contain the appropriate data models.
browsertesting. chrome_executable_path	Specifies the path to the Chrome executable.
browsertesting. firefox_executable_path=[path]	Specifies the path to the Firefox executable.
browsertesting. proxy_port=[port]	Specifies the proxy port. See the SOAtest User's Guide> Proxy Configuration Details topic for more information and tips.
browsertesting. browser_communication_port=[port]	Specifies the browser communication port.

<code>browsertesting.startup_timeout=[seconds]</code>	Specifies the length of delay (in seconds) after which SOAtest should stop waiting for browser startup and consider it to be "timed out."
<code>browsertesting.user_action_timeout=[seconds]</code>	Specifies the length of delay (in seconds) after which SOAtest should stop waiting for a user action and consider it to be "timed out."
<code>browsertesting.page_load_timeout=[seconds]</code>	Specifies the default length of delay (in seconds) after which SOAtest should stop waiting for a page to load and consider it to be "timed out."
<code>browsertesting.asynchronous_request_timeout=[seconds]</code>	Specifies the default length of delay (in seconds) after which SOAtest should stop waiting for an asynchronous request and consider it to be "timed out."
<code>browsertesting.element_timeout=[seconds]</code>	Specifies the default length of delay (in seconds) after which SOAtest should stop waiting for an element and consider it to be "timed out."
<code>browsertesting.dialog_timeout=[seconds]</code>	Specifies the default length of delay (in seconds) after which SOAtest should stop waiting for a dialog to open and consider it to be "timed out."
<code>browsertesting.http_traffic_timeout=[seconds]</code>	Specifies the default length of delay (in seconds) after which SOAtest should stop waiting for traffic to complete loading and consider it to be "timed out."
<code>browsertesting.print_debug_info=true false</code>	During recording of a browser functional test scenario, it is possible that an action taken is not recorded by SOAtest. Enabling this option will allow messages to be printed to the console during recording, with information about what events SOAtest handled, any locators that may have been generated, and if applicable, any exceptions that took place during recording.
<code>browsertesting.allowable_binary_extensions=[extensions]</code>	Allows binary files with the specified extensions to be used in the Traffic Viewer and output. By default, only text files will be allowed. Extension lists are comma-separated.
<code>browsertesting.allowable_binary_mimetypes=[mime_types]</code>	Allows binary files with the specified MIME types to be used in the Traffic Viewer and output. By default, only text files will be allowed. MIME type lists are comma-separated.
<code>browsertesting.content_fetch_mode=all.content non.hidden.iframes</code>	Enables you to determine whether the contents of hidden frames are displayed in the pre- and post-action HTML viewer. For more details on this setting, see the SOAtest User's Guide.
<code>security.trust.all.certificates</code>	Indicates that you want to accept any certificate. This is useful if you want to load pages whose certificates are not "trusted."
<code>security.use.default.java.cacerts</code>	Indicates that you want to accept only certificates from the standard list of Java trusted certificate vendors.

Additional Options for Virtualize Only

Note that options covered in [Additional Options for SOAtest and Virtualize](#) also apply to Virtualize.

Setting	Purpose
<code>server.startup</code>	Determines whether the server is automatically started upon Virtualize startup.
<code>server.port.http</code>	Specifies the port that the Virtualize Server uses for HTTP.
<code>server.port.https</code>	Specifies the port that the Virtualize Server uses for HTTPS.
<code>server.port.monitoring</code>	Specifies the port that the Virtualize Server uses for monitoring.

<pre>traffic. wizard. xpath. ignores</pre>	<p>Exclusions are specified in the format:</p> <pre>traffic.wizard.xpath.ignores=[element name 1]:[value pattern 1];[element name 2]:[value pattern 2];[element name 3]:[value pattern 3]</pre> <p>For example,</p> <pre>traffic.wizard.xpath.ignores=*[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}([.][0-9]{1,3})?(([\+][0-9]{2}:[0-9]{2}) Z)?;uuid:[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{12}</pre> <p>Note that when the backslash character (\) is used in the regular expression, it needs to be escaped. For example, the regex <code>[d]</code>, which represents a single digit, would be entered as <code>[\d]</code>.</p>
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Additional Options for Continuous Testing Platform (CTP)

Setting	Purpose
<code>env.manager.server</code>	Specifies location of the CTP server. <i>Required</i> Example: <code>env.manager.server=http://em_hostname:8080/</code>
<code>env.manager.server.name</code>	Specifies the name that will be used to label this server in CTP. You can use whatever value will help you identify this server. <i>Optional</i> Example: <code>env.manager.server.name=MyVirtServerLabel</code>
<code>env.manager.notify</code>	Determines whether the Virtualize server notifies CTP when virtual assets are deployed. <i>Optional</i> Example: <code>env.manager.notify=true</code>
<code>env.manager.username</code>	Specifies the username for logging into CTP. <i>Optional</i> Example: <code>env.manager.username=me</code>
<code>env.manager.password</code>	Specifies the password for logging into CTP. <i>Optional</i> Example: <code>env.manager.password=12345</code>

Sample Localsettings

Example 1

```
# Team Server settings: (these may be redundant with settings already specified in Team Preferences of the
installed version, so may not be needed).
tcm.server.enabled=true
tcm.server.name=<team_server.company.com>

# 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


```

# Team Server settings
tcm.server.enabled=true
tcm.server.name=teamserver.mycompany.com
tcm.server.port=18888
tcm.server.accountLogin=true
tcm.server.username=tcm_user
tcm.server.password=tcm_pass

# Parasoft Project Center settings
concerto.reporting=true
concerto.server=concerto.mycompany.com
concerto.web.port=32323

# 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
concerto.log_as_nightly=true

```

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}

# Parasoft Project Center

#Determines the current installation is connected to Project Center.
concerto.reporting=true

#Specifies the host name of the Project Center server.
concerto.server=grs_server.domain.com

# Specifies the port number of the Project Center report collector.
concerto.data.port=32323

# Specifies user-defined attributes for Project Center.
#Use the format key1:value1; key2:value2
#Attributes help you mark results in ways that are meaningful to your organization.
#They also determine how results are grouped in Project Center and how you can filter results in Project Center.
#For example, you might want to label results by project name and/or by project component name. #Each attribute
contains two components: a general attribute category name
#and a specific identification value. For example, assume your organization wants to classify results by
project.
#You might then use the attribute project:projname1. For the next project, you could use a different
#localsettings file that specified an attribute such as project:projname2.
concerto.user_defined_attributes=Type:Nightly;Project:Project1

# Determines whether the results sent to Project Center are marked as being from a nightly build.
concerto.log_as_nightly=true

# 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

#override license settings
#jtest.license.autoconf.timeout=40
jtest.license.use_network=true
jtest.license.network.host=license_server.domain.com
jtest.license.network.port=2222
jtest.license.network.edition=server_edition

# SOURCE CONTROL
```

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