HTML	HTML formatted reports for viewing with a web browser
Excel	Excel Spreadsheet versions with separate tabs per SCAP stream

4.11.4 Generate Reports

To create the summary reports, click Generate. The status window will display the progress.

Note: Summary reports can also be created with a command line parameter, based on the settings configured in the GUI. Please refer to the Using the Software via Command Line for additional information.

4.11.5 Viewing Reports

After Multi-Computer Summary Reports are created a Windows Explorer window may open (based on user preferences), and the reports specified to be created will be available in HTML and/or Excel spreadsheets. To view, double click on any of the files.

4.12 File and Help Menus

4.12.1 File Menu

MENU ITEM	DESCRIPTION
Manage Configuration Profiles	This will open a form which allows users to switch between SCC configuration profiles. See section 4.13 Configuration Profiles for more information.
Import Options	This will delete your current options file and replace it entirely with the file you specify. This is only applicable to options files that match the same version of the SCC application as you are running. If an options file from an older version of SCC is specified,it quite likely will fail schema will fail, and errors will be reported. This is not intended as an upgrade feature.
Export Options	This will make a copy of your options XML file for backup purposes or for sharing with another installation of SCC.
Upgrade Options	This will upgrade your current installation of SCC using an existing options xml from an existing installation of SCC. This will not delete your current options file, it will keep your current options, and overlay them with the matching configuration settings from the previous installation. There are exceptions to this, as specified below: o Content is not upgraded, nor are the enabled/disabled status for content. o appUpdateURL and contentRepository settings are intentionally excluded, as they may change in a future release of SCC and upgrading could cause issues. If you have your own SCAP content repository or SCC application update repository setup, these files can be manually configured after the upgrade is complete.
Restore Default Options	This will delete your current options XML file, and restore them using the installation defaults.
Exit	Exits the SCC application.

4.12.2 Help Menu

MENU ITEM	DESCRIPTION
Help	Opens the SCC compiled help application (Windows Only).
User Manual	Opens this PDF.
Online Tutorials	Opens a web browser to https://www.niwcatlantic.navy.mil/scap/videos/
Release Notes	Displays SCC's Release Notes file.
Check For Content Updates	Downloads a small XML file from the URL(s) specified in the Options -> Update Options -> Content Repositories option, and then compares current content to that in the XML file and prompts the user to install any new or updated SCAP content.

Check for SCC App Updates	Downloads a small XML file from the URL(s) specified in the Options -> Update Options -> SCC Update URL option, and then compares current content to that in the XML file and informs the user if there is an updated version of SCC available for download.
End User License	Displays SCC's End User License Agreement.
Third Party Licenses	Displays a listing of all Third Partly Licenses in use by SCC.
Rate SCC via Online Survey	Our survey is now online 24/7 and we get reports on a monthly basis, so you can rate what you think of the SCC application and our tech support anytime. The website is: https://usnavy.gov1.qualtrics.com/jfe/form/SV_4ZpXv8JkUlDs4lw
About	Lists SCC's version, build number and supported SCAP features, and contact information.

4.13 Configuration Profiles

SCC's configuration profiles save all configuration settings of SCC and make it easily available for switching between. Every configuration setting, and hosts enabled are kept as part of the configuration profile, so you can select a collection of targets, content, and have custom tailoring or custom manual questions for a group of hosts, and then switch to another profile that has different hosts, content etc...

4.13.1 Profiles

4.13.1.1 New Profile

To create a new profile, click "New Profile", this will display a text entry box in which you can enter the name of the profile you wish to create. Only letter and numbers are supported, as this will be used the filename of the new options file to be created.

```
Ex:   TestProfile1
```

4.13.1.2 Select a Profile

By default, SCC only has one profile called 'default', and it cannot be renamed. To create your own profile, click the New profile button. After you have created one or more new profiles you can select it from the dropdown list.

4.13.1.3 Delete Profile

This deletes the options file related to your custom profile and removes it from the dropdown list.

Profile Metadata

This text box displays some of the key options that may help you decide which profile to use. This is not a complete list, as every option available in SCC is stored as part of your new profile.

Example:

```
Options File: C:\Program Files\SCAP Compliance Checker
5.10.1\options.xml
Last Updated: 2023-07-28T14:44:15
Content Enabled:  5 of 16
Scan Type: local
Results Directory:  User Home Directory (dynamic)
Tailoring and Manual Questions: Installation Directory (default)
```

5. COMMAND LINE USAGE

SCC has a separate executable for command line usage which is included in the installation package as 'cscc.exe'. The Command-line SCAP Compliance Checker (CSCC) allows for scripted or automated reviews by other applications or scheduled tasks.

Any changes made via the SCC GUI such as content installation, or application preferences impact the command line interface and vice versa, as the options for both interfaces are saved to the same 'options.xml' file located in the SCC installation directory.

5.1 Basic Command Line Usage

Below is a quick overview of how CSCC works.

1. Open a Command Prompt with an account that has Administrator privileges.
2. Install any additional SCAP Content into CSCC.
3. Run the Configuration Menu option of CSCC (--config).
4. View available SCAP content included with CSCC.
5. Enable SCAP Content and Select the desired profile from each SCAP Content stream.
6. Scan Computer(s) with Enabled SCAP Content.
7. View reports.

To view all available command line options, use the -? parameter.

```
cscc.exe -? or cscc.exe --help
```

5.1.1 Open a Command Prompt

Open an command prompt (admin for any local scanning) and change directory to the SCC installation directory.

Example:

Start -> Run -> cmd
```
c:
cd "\Program Files\SCAP Compliance Checker 5.10.1"
```

5.2 Command Line Configuration Parameters

5.2.1 Configuration Parameters

Below are the parameters available for installing content and configuring application options. All of the following options must be used individually, and are not compatible with any other parameter.

For descriptions of each option available to be edited, refer to section 4.4, Editing Options

To see the help related to configuration parameters run **'cscc.exe --help config'**

```
##################################################################
CONFIGURATION PARAMETERS:
```

Below are the parameters available for installing content and configuring application options. All of the following options must be used individually, and are not compatible with any other parameter.

-lc, --listConfigProfiles

   Prints a list of all available SCC configuration profiles

-nc, --newConfigProfile

   Creates and enables a new configuration profile for all future usage

   based on the current configuration. This only supports letters and numbers

   all other characters will be removed

   Example: cscc.exe --newConfigProfile myProfile2

   See --listConfigProfiles for a list of config profiles

-sc, --selectConfigProfile

   Selects a configuration profile for all future usage

   Example: cscc.exe --selectConfigProfile myProfile

   See --listConfigProfiles for a list of config profiles

--config

Open a command line menu which displays several configuration options

-eb, --enableBenchmark BENCHMARK_ID [version]

Enable a benchmark based on its ID, with optional benchmark version.

Example: cscc.exe --enableBenchmark Windows_10_STIG

Example: cscc.exe --enableBenchmark Windows_10_STIG 001.002

See --listAllBenchmarks for a list of benchmarks.

-db, --disableBenchmark BENCHMARK_ID [version}

Disable a benchmark based on its ID, with optional benchmark version.

Example: cscc.exe --disableBenchmark Windows_10_STIG

Example: cscc.exe --disableBenchmark Windows_10_STIG 001.002.

See --listAllBenchmarks for a list of benchmarks.

-ct, --createTailoringFile BENCHMARK_ID [version]

   Create a XCCDF Tailoring file which allows for manual edits if
   user does not have access to SCC GUI for tailoring.
   This feature creates the file, and selects that newly created
   tailored profile for use
   Example: cscc.exe --createTailoringFile Windows_10_STIG
   Example: cscc.exe --createTailoringFile Windows_10_STIG 001.002
   See --listAllBenchmarks for a list of benchmarks.

-aa, --applicableToAll BENCHMARK_ID [version]

   Set a benchmark applicable to all targets based on its ID, with
optional benchmark version.
   Example: cscc.exe --applicableToAll Windows_10_STIG
   Example: cscc.exe --applicableToAll Windows_10_STIG 001.002

-na, --notApplicableToAll BENCHMARK_ID [version]

   Remove the appliableToAll setting based on its ID, with optional
benchmark version.
   Example: cscc.exe --notApplicableToAll Windows_10_STIG
   Example: cscc.exe --notApplicableToAll Windows_10_STIG 001.002

-ea, --enableAll

Enable all SCAP and OVAL content.

-da, --disableAll

Disable all SCAP and OVAL content.

-ub, --uninstallBenchmark BENCHMARK_ID [version]

Uninstall a benchmark based on its ID, with optional benchmark version.

Example: cscc.exe --uninstallBenchmark Windows_10_STIG

Example: cscc.exe --uninstallBenchmark Windows_10_STIG 001.002

See --listAllBenchmarks for a list of benchmarks.

-ua, --uninstallAll

 Uninstall all SCAP and OVAL content.

--setProfile PROFILE BENCHMARK_ID

Set a profile to be applied to a specified content stream.

See --listAllProfiles for a list of profiles.

See --listAllBenchmarks for a list of benchmarks.

Example: cscc.exe --setProfile MAC-3_Sensitive Windows_10_STIG

--setProfileAll PROFILE

Set a profile to be applied to all content installed in SCC, if applicable. If a profile cannot be applied to a content stream it is not applicable. See --listAllProfiles to obtain a list of profiles.

Example: cscc.exe --setProfileAll MAC-3_Sensitive

--setOpt OPTION VALUE

Advanced user setting which allows command line configuration of any SCC option to a user specified value.

--setOpt can be called multiple times in a single command if needed, see second example.

Available options can be found in --listOpt, and need to be specified exactly. To set a value to an empty string, enter the value as all caps

NULL

Example: cscc.exe --setOpt dirSessionEnabled 0

Example: cscc.exe --setOpt dirSessionEnabled 0 --setOpt debugEnabled 1

--generateOptionsFile

Delete the options file, restore default settings, and reinstall all content. Note that this may take a few minutes.

--generateAutoAnswerTemplates

Delete and regenerarate all of the Manual Question auto-answer template files found in

Resources/Content/Manual_Questions/Templates

--restoreDefault

Restore all options to installation default.

-is FILE PROFILE [--force], --installScap FILE PROFILE [--force]

Install one or more SCAP content streams from an XML file or ZIP archive. Specifying an XCCDF benchmark profile name after the filepath will enable that profile for the given SCAP stream. Use the optional --force switch to reinstall

Example: cscc -is C:\Users\User1\SampleScapContent.zip

Example: cscc --installScap C:\Users\User1\SampleScapContent.zip

Example: cscc -is C:\Users\User1\SampleScapContent.zip MAC-3_Sensitive

Example: cscc -is --force C:\Users\User1\SampleScapContent.zip

Example: cscc --installScap --force
C:\Users\User1\SampleScapContent.zip MAC-3_Sensitive

-isr FILE PROFILE [--force], --installScapRun FILE PROFILE [--force]

Install, enable, and conduct an analysis with a SCAP Content stream from a zip file. Specifying an XCCDF benchmark profile name after the filepath will enable that profile for the given SCAP stream.
 Use the optional --force switch to reinstall.

Example: cscc -isr C:\Users\User1\SampleScapContent.zip

Example: cscc --installScapRun C:\Users\User1\SampleScapContent.zip MAC-3_Sensitive

Example: cscc -isr --force C:\Users\User1\SampleScapContent.zip

Example: cscc --installScapRun --force
C:\Users\User1\SampleScapContent.zip MAC-3_Sensitive

-iv FILE [--force], --installOval FILE [--force]

Install OVAL Content from a single xml file or a zip file containing multiple xml files. Use the optional --force switch to reinstall.

Example: cscc --installOval C:\Users\User1\sampleOval.xml

Example: cscc -iv --force C:\Users\User1\sampleOval.xml

-ivr FILE [--force], --installOvalRun FILE [--force]

Install, enable, and conduct an analysis with OVAL Content from a single xml file or a zip file containing multiple xml files. Use the optional --force switch to reinstall.

Example: cscc --installOvalRun C:\Users\User1\sampleOval.xml

Example: cscc -ivr --force C:\Users\User1\sampleOval.xml

--installTailoringProfile FILE

Install an existing XCCDF Tailoring Profile file from another installation of SCC, created by the SCC GUI Tailoring interface.
 Installing a tailoring profile will set the selected profile for the matching content to be the tailored profile in the selected tailoring file

Example: cscc --installTailoringProfile <filepath to tailoring xml>

--checkForContentUpdates [--installUpdates | --installAll]

Check for SCAP content updates from an online content repository.
 Additional settings may need to be pre-configured before usage.

refer to: cscc --config -> Options -> Update Options

Example: cscc --checkForContentUpdates

Example: cscc --checkForContentUpdates --installUpdates

Example: cscc --checkForContentUpdates --installAll

--installUnixPlugin FILE

Install the UNIX Plugin file, to allow SSH based scanning of remote
UNIX hosts. The file below can be obtained from the same location
you downloaded SCC: SCC_5.5_UNIX_Remote_Scanning_Plugin.scc

Example: cscc --installUnixPlugin
<path>SCC_5.5_UNIX_Remote_Scanning_Plugin.scc

Refer to --installCredentialDB if this computer does not have the
ability to open the SCC GUI to update/maintain the hosts/credentials

--installCredentialDB FILE

If this computer is not able to open the SCC GUI to create/maintain
the SCC Host Credential Database, which is used to enter hosts and
credentials for SSH based remote scanning of UNIX and Cisco devices,
this feature allows you to install a previously created Host
Credential Database and use it for scanning.

*** NOTE 1: You will not be able to create new hosts, or edit
credentials, just perform scans using the Master Password for the
existing set of hosts/credentials. When host passwords expire, or
the Master Password expires, you'll need to obtain an updated Host
Credential DB and reinstall it via this command.

*** NOTE 2: This feature will always overwrite the existing host
credential db (if found). You will need to manually copy the
hostCredentials.db from another installation, by default it's found
in <your home directory>\SCC\Config

--register EMAIL REGISTRATION_CODE

This command line argument is used to register your email address
with a code

provided from the SCC team, obtained by emailing scc.fct@navy.mil,
indicating

that your team/group/agency is planning to send some level of
funding in the future.

Registering your email address makes the funding notice go away.

--upgrade FILE

Upgrade the configuration options from a previous installation of SCC.

SCC will load the current settings, and overlay the configuration settings from the selected

option file, excluding content, appUpdateURL and contentRepository.

Example: cscc --upgrade <filepath to existing SCC options xml>

5.3 Command Line Scanning Parameters

5.3.1 Scanning Parameters

Below are the parameters available for performing scans. Many of the options can be used in combination, unless indicated below. Any configuration change from a Scanning Parameter is temporary, and does not get saved for future use.

To see the help related to scanning parameters run **`cscc.exe --help scan`**

```
##########################################################
SCANNING PARAMETERS:

Below are the parameters available for performing scans. Many of the
options can be used in combination, unless indicated below. Any
configuration change from a Scanning Parameter is temporary, and
does not get saved for future use.


no parameters
Review the local computer based on the configuration settings found
in options.xml.  If options.xml does not exist in the installation
directory, it will be created based on application defaults


-d, --debug
Create a verbose debug log file in the Logs directory for
troubleshooting purposes.


-ds, --debugToScreen
Debug to the Screen. This option will print a very large amount of
data to the terminal, which can be captured and shared with our
team, and should only be used to help diagnose crash type issues.


-dn, --doNotSaveChanges
Do not save changes back to SCC's options file.
This option prevent SCC from updating the option XML file being used
and is primarily for usage with automation such as cron.


-ear, --enableAllRun
Enable all SCAP and OVAL content and run content.


-u DIRECTORY, --userDir DIRECTORY
Temporarily configure SCC to save user results and logs to the
specified directory path.
Example: cscc -u C:\Users\User1
```

-cd DIRECTORY, --configDir DIRECTORY

Temporarily configure SCC to save application configuration files to the specified directory path.

Example: cscc -cd C:\Users\User1

-f FILE, --file FILE

Review all Windows computers specified in the new line delimited host file.

Example: cscc -f C:\Users\User1\sampleHosts.txt

-h HOSTNAME, --host HOSTNAME

Review the specified computer.

Example: cscc -h testcomputer1

--wmi --file FILE | --domain | --ou "OU=OU Name"

Review all computers specified with WMI method.

Note 1: Many command line parameters such as -d, -q, -r, -mr, -ear are not compatible with --wmi and should be configured via --setOpt or --config prior to calling cscc --wmi

Note 2: If the WMI alternate credentials feature is enabled, you will be prompted for the master password. For any automated scripting, the alternate credentials mode will need to be disabled, which is the default.

Note 3: If using the --ou method, make sure to use the following format (including quotes) "OU=Your Ou Name" If the OU is a child of another OU, use the LDAP comma separated format of "OU=OU Child,OU=OU Parent"

To scan multiple OU's, separate OU declarations with a semicolon ; (no spaces)

"OU=OU Child1,OU=OU Parent1;OU=OU Child2,OU=OU Parent2"

Example: cscc --wmi --file C:\Users\User1\sampleHosts.txt

Example: cscc --wmi --domain

Example: --wmi --ou "OU=Test Computers,OU=Lab"

Example: cscc --wmi --ou "OU=Test Computers1,OU=Lab;OU=Test Computers2,OU=Lab"

--scanDomain [nslookup ping]

Review the entire active directory domain using 'classic' mode.

Optionally verifying via nslookup and/or ping

--force32

Open the 32 bit version of SCC on 64 bit Windows

--ssh [cisco|unix]

Review all Cisco IOS/IOS-XE OR UNIX computers enabled in the Host Credential Manager, which is only available via the SCC GUI. You will be prompted to enter the SCC Host Credential Master Password in order to perform a remote command line SSH based scan.

Note that many command line parameters such as -d, -q, -r, -mr, -ear are not compatible with --ssh and should be configured via --setOpt or --config prior to calling cscc --ssh

'--ssh unix' can be used in combination with --wmi to scan both UNIX and Windows remotely at the same time.

Refer to --installCredentialDB for installing an existing SCC Host Credential Database from another system which is able to use the SCC GUI

--cisco FILE

Conduct an offline review against a Cisco IOS/IOS XE configuration file or ZIP archive of multiple configuration files located at the given file path.

**** Configuration files should be created with the 'show tech' command

Example: cscc --cisco C:\Users\User1\sampleConfigFile.txt

-o FILE, --options FILE

Review using the specified options file.

Example: cscc -o options.xml

Example: cscc --options C:\Users\User1\myOptions.xml

-q, --quiet

Review in quiet mode. No output will be displayed on the screen.

-r XCCDF_RULE_OR_OVAL_DEF, --rule XCCDF_RULE_OR_OVAL_DEF

Review a single Rule using the Rule ID from the XCCDF file

or review a single definition from an OVAL document.

Example1: cscc -r account_lockout_duration

Example2: cscc -r oval:mil.disa.stig.adobe.reader:def:1

-mr RULE_COUNT RULE_ID RULE_ID .., --multipleRules RULE_COUNT RULE_ID...

Review multiple rules using the Rule ID from the XCCDF file or review X definitions from an OVAL document.

Example1: cscc -mr 2 account_lockout_duration logon_as_service

Example2: cscc --multipleRules 3
oval:mil.disa.stig.adobe.reader:def:1
oval:mil.disa.stig.adobe.reader:def:2
oval:mil.disa.stig.adobe.reader:def:3

```
-rr XCCDF_RULE_ID_REGULAR_EXPRESSION --ruleRegex
XCCDF_RULE_ID_REGULAR_EXPRESSION
```

Review all rule IDs in the selected profile that match the regular expression

Example1: cscc -rr rule_SV-213143r55.*

Example2: cscc -ruleRegex mscp.content_rule_sysprefs_.*

5.3.2 Command Line Examples

1. Review the local computer with customized report settings and do not display any data to the screen.

```
cscc.exe -o myoptions.xml -q
```

2. Review several computers from a text file of hostnames with customized report settings.

```
cscc.exe -f test.txt -o myoptions.xml
```

3. Review a single remote host 'computer1' in debug mode

```
cscc.exe -h computer1 -d
```

5.4 Option Descriptions and Datatypes

Below are all of the options that can be configured via the --setOpt command line parameter, which is primarily designed for advanced users to automate command line reviews. This information (with the exception of the description) can be obtained by running the --listOpt command.

```
Example:  cscc --listOpt
```

OPTION	DESCRIPTION	DATATYPE
GENERAL SCANNING OPTIONS		
`reviewType`	Type of review	String ('local', 'cisco', 'remote', 'multiremote' (remote/multiremote for Windows only)), cisco-remote, unix-remote, windows-unix-remote
`offlineConfigPath`	Target if 'reviewType' equals 'cisco', This is a fully qualified path to a valid CiscoIOS configuration text file	String
REMOTE SCANNING OPTIONS (WINDOWS ONLY)		
`hostName`	Target of SCC scan if 'reviewType' equals 'remote'	String
`hostFile`	Fully qualified path to a text file containing NetBIOS names of Windows computers, one per line	String
`multiRemoteMode`	Mode to determine how to create/select host file	String (Host File, Entire Domain, Selected OU)
`remoteWindowsOU`	Name of OU (or OU's), delimited by ;	String
`remoteWMIEnabled`	This option used to determine if remote Windows scans should be WMI based	Boolean (0/1)
`alternateWMICredentials`	Use other credentials for WMI bases scans	Boolean (0/1)
WMI/SSH REMOTE SCANNING OPTIONS		
`remoteScanHostCooldown`	Number of seconds between SSH/wmi connections. This will slow down refresh to the screen, but also decrease the number of auditable events for long running SSH scans	Integer
`remoteBaseLocation_unix`	Base directory to which SCC	String

	should create sub-directories for SSH based scanning. This directory must exist on the target system. Default is /opt	
`remoteStartupTimeout`	Number of minutes to wait before assuming SCC is unable to start on target computer	Integer
`remoteMaxThreads`	Maximum number of WMI scanning threads to create on 64 bit Windows	Integer
`remoteMaxThreads32`	Maximum number of WMI scanning threads to create on 32 bit Windows	Integer
SCAP PROCESSING OPTIONS		
`ignoreCPEOVALResults`	Run SCAP content even if CPE OVAL applicability fails	Boolean (0/1)
`answerOCILwithSCAP`	Enable answering OCIL manual questions if found in a SCAP Content Datastream	Boolean (0/1)
`filterSCAPContentPerFamily`	Only display (and run) content that matches the family (windows/unix/cisco)	Boolean (0/1)
`downloadExternalFiles`	Download external SCAP 1.2 content files	Boolean (0/1)
`forceOVAL510`	Force OVAL results be compliant with 5.10.1 for SCAP 1.2 validation purposes	Boolean (0/1)
`saveResultsForNotApplicableContent`	Force saving of results for non-applicable content to pass SCAP 1.3 validation	Boolean (0/1)
OVAL PROCESSING OPTIONS		
`ignoreRemoteFileSystems`	Do not perform any file searches on remote file systems	Boolean (0/1)
`ignoreCase`	Ignore case specific content requirements for searching files, paths, registry keys, etc	Boolean (0/1)
`itemCreationThresholdEnabled`	Enable setting a maximum number of items to create, to save memory usage in SCC	Boolean (0/1)
`itemCreationThreshold`	Numeric value for item creation threshold if itemCreationThresholdEnabled equals 1	Integer between 0 and 999999.
OVAL PROCESSING OPTIONS (UNIX ONLY)		
`maskPasswords`	Do not display UNIX password hashes to reports or XML files, does not impact test accuracy.	Boolean (0/1)
`useGetpwent`	Use the system command of getpwent instead of parsing /etc/passwd	Boolean (0/1)

`ignoreFileExtendedACL`	Do not collect extended ACL information which can be time consuming, and may not be acutally used in SCAP content	Boolean (0/1)
OVAL PROCESSING OPTIONS (WINDOWS ONLY)		
`onlyCollectSecurityPrinciples ThatHavePrivilegesAssigned`	Only report on users/groups that have access token data assigned to them, used to save time when scanning large domain controllers	Boolean (0/1)
`windowsRegistryUserAge`	Obsolete, do not use.	n/a
OCIL PROCESSING OPTIONS		
`sortOCILQuestionsByDISACAT`	Sort OCIL Questionnaires by DISA CAT level (CAT I, CAT II, CAT III)	Boolean (0/1)
`backupManualQuestionResults`	GUI only option to backup manual questions results when SCC GUI saves manual question data to file	Boolean (0/1)
`customManualQuestionAutoAnswerDirectoryValue`	Enable user selected autoanswer result directory	Boolean (0/1)
`customManualQuestionAutoAnswerDirectory`	Directory specified by the end user to obtain autoanswer	
`ignoreManualQuestionVersionChangesOnUpgrade`	Ignore XCCDF rule version when upgrading manual question results. This prevents loosing data when DISA changes XCCDF rule versions.	String (Directory)
SCAN REPORTING OPTIONS		
`allSettingsHTMLReport`	Save the All Settings HTML report at the end of each scan	Boolean (0/1)
`allSettingsTextReport`	Save the All Settings Text report at the end of each scan	Boolean (0/1)
`nonComplianceHTMLReport`	Save the Non-compliance HTML report at the end of each scan	Boolean (0/1)
`nonComplianceHTMLReport`	Save the Non-compliance HTML report at the end of each scan	Boolean (0/1)
`allSettingsSummaryHTMLReport`	Save the All Settings Summary HTML report at the end of each scan	Boolean (0/1)
`allSettingsSummaryTextReport`	Save the All Settings Summary Text report at the end of each scan	Boolean (0/1)
`nonComplianceSummaryHTMLReport`	Save the Non-compliance Summary HTML report at the end of each scan	Boolean (0/1)

`nonComplianceSummaryTextReport`	Save the Non-compliance Summary Text report at the end of each scan	Boolean (0/1)
`sortReportsBySeverity`	Sort reports by severity of each rule, grouping by CAT I, CAT II, CAT III etc..	Boolean (0/1)
`limitCollectedItemsInReports`	Limit the number of collected items in detailed HTML/Text reports based on user defined thresholds	Boolean (0/1)
`maxOVALCollectedItemsDefPass`	Threshold at which collected items that pass will be truncated from detailed reports.	Integer
`maxOVALCollectedItemsDefFail`	Threshold at which collected items that do not pass will be truncated from detailed reports.	Integer
XML RESULTS OPTIONS		
`keepXCCDFXML`	Save the XCCDF XML Results at the end of each scan	Boolean (0/1)
`keepOVALXML`	Save the OVAL XML Results at the end of each scan	Integer (0/1/2/3) 0 =Keep full oval 1= Keep oval without system characteristics 2 = Keep "thin" OVAL 3 = Do not keep OVAL XML
`keepOCILXML`	Save the OCIL XML Results at the end of each scan	Boolean (0/1)
`keepARFXML`	Save the ARF XML Results at the end of each scan	Boolean (0/1)
`keepCPEXML`	Save the CPE-OVAL results if CPE-OVAL results return false (not applicable to target)	Boolean (0/1)
SUMMARY VIEWER OPTIONS		
`enableSummaryViewer`	Enable the Summary Viewer HTML report to provide hyperlinks to all results from a scan	Boolean (0/1)
`summaryViewerSort1`	Set which field to sort the Summary Viewer Report by first	Case sensitive string (Session, Stream, Host)
`summaryViewerSort2`	Set which field to sort Summary Viewer Report by second	Case sensitive string (Session, Stream, Host)
`summaryViewerSort3`	Set which field to sort Summary Viewer Report by third	Case sensitive string (Session, Stream, Host)

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LOGGING OPTIONS		
`keepScreenLogs`	Save screen logs from each application/scan session	Boolean (0/1)
`debugEnabled`	Save debug logs from each application/scan session	Boolean (0/1)
`suppress_warnings`	Don't print warnings to the error log	Boolean (0/1)
`debugExcludeDateTime`	Do not print date/time stamps on every line of debug, which allows for easier comparison between debug logs	Boolean (0/1)
`debugTraceEnabled`	Print Trace level debug, which is more than default, enable with caution	Boolean (0/1)
`maxLogFileSize`	Maximum size for logs (primarily debug) before creating a new file	Integer (MB)
OUTPUT OPTIONS		
`sharedOptions`	Save options to SCC install directory?	Integer (1 = install to shared/install directory, 0 = install to users home directory)
`userResultsDirectory`	Path to which SCC will save results	String that is an absolute directory path
`userResultsDirectoryValue`	How 'userDataDirectory' is determined	Integer (0 = User's home directory, 1 = Running Application Directory, 2 = Custom Directory)
`userConfigDirectory`	Path to which SCC will save configuration information	String that is an absolute directory path
`userConfigDirectoryValue`	How 'userConfigDirectory' is determined	Integer (0 = User's home directory, 1 = Running Application Directory, 2 = Custom Directory)
`customPathLocal`	Path to which SCC will save temporary files. Default location will be <scc install>/Local directory. This setting can only be configured via command line with --setOpt	String (Absolute Directory Path, Empty String = default location"

OUTPUT SUBDIRECTORY OPTIONS		
`dirApplicationLogsEnabled`	Create a subdirectory called 'ApplicationLogs' for application logs	Boolean (0/1)
`dirAllSessionsEnabled`	Create a subdirectory called 'Sessions' for sessions	Boolean (0/1)
`dirSessionEnabled`	Create a date/time subdirectory of the scan	Boolean (0/1)
`dirSessionResultsEnabled`	Create a results subdirectory of the date/time of the scan	Boolean (0/1)
`dirSessionLogsEnabled`	Create a logs subdirectory of the date/time of the scan	Boolean (0/1)
`dirContentTypeEnabled`	Create a results subdirectory based on content type (SCAP/OVAL/OCIL)	Boolean (0/1)
`dirTargetNameEnabled`	Create a results subdirectory based on the target hostname	Boolean (0/1)
`dirStreamNameEnabled`	Create a results subdirectory based on the content stream name	Boolean (0/1)
`dirXMLEnabled`	Create an results subdirectory called 'XML' for saving XML results	Boolean (0/1)
OUTPUT FILENAME OPTIONS		
`fileTargetNameEnabled`	Include the target hostname in the result filenames	Boolean (0/1)
`fileSCCVersionEnabled`	Include the SCC version in the result filenames	Boolean (0/1)
`fileTimestampEnabled`	Include scan date/timestamp in the result filenames	Boolean (0/1)
`fileContentVersionEnabled`	Include the Content version in the result filenames	Boolean (0/1)
CONTENT OPTIONS		
`newerContentInstall`	What to do when installing a newer version of the same SCAP benchmark	0 = Do nothing. 1 = Disable older content, 2 = Archive older content, 3 = deleted older content. Integer (0/1/2/3)
`contentDevModeSkipValidation`	Allow for developer mode	Boolean (0/1)
`validateContent`	Perform XML schema validation before scanning	Boolean (0/1)
`validateContentOnInstall`	Perform XML schema when installing content	Boolean (0/1)
`validateDigitalSignature`	Perform XML digital signature validation on SCAP 1.2 content before scanning	Boolean (0/1)
`failOnXMLDSig`	Do not scan if XML digital	Boolean (0/1)

	signature validation fails	
`validateXMLResults`	Perform XML schema validation on XML results generated by SCC	Boolean (0/1)
UPDATE OPTIONS		
`httpProxyType`	The type of proxy to be used for HTTP request. 0 for system proxy, 1 for env proxy, 2 for no proxy, and 3 for custom proxy	Integer (0-3)
`httpProxyURL`	URL to use for a custom proxy	String
`appCheckForUpdates`	Check for SCC application Updates	Boolean (0/1)
`appUpdateCheckFrequency`	Days between checking for updated SCC	Integer (>0)
`appUpdateLastCheck`	UNIX time of last SCC app update check	Integer
`appUpdateURL`	URL to SCC update file	String
`contentCheckForUpdates`	Check for content Updates	Boolean (0/1)
`contentUpdateCheckFrequency`	Days between checking for updated content	Integer >0
`contentUpdateLastCheck`	NIX time of last content update check	Integer
`includeDraftContent`	Include pre-release (draft/test) content	Boolean (0/1)
`contentRepository`	List of content repository URL's	String(s)
DEVELOPER OPTIONS: MISC THRESHOLDS		
`maximumRecentReports`	Number of recent reports (or scan sessions) to save in the Recent Reports menu	Integer
`freeSpaceThreshold`	Minimum amount of free space before stopping scan	Integer (MB)
`validationThreshold`	Maximum file size of XML input or output to perform schema validation on	Integer (MB)
`externalcmdTimeout`	Number of seconds to wait for external commands to return data	Integer (Seconds)
SSH RESULT FILE TRANSFER OPTIONS		
`sshEnabled`	Enable sending of results via SSH after each scan	Boolean (0/1)
`deleteOnTransferReports`	Delete local results after sending to server via SSH	Boolean (0/1)
`sshServer`	Name of ssh server to send results to	String that is a hostname or ip address
`sshPortNumber`	Port number for SSH	Integer between 0 and 65536

sshConnectionType	SSH Connection Type	Integer (0 = username, private key and passphrase; 1 = username and password)
username	SSH Username	String that is a proper username
sshUserPassword	Encrypted by SCC, cannot be edited manually	String
sshPrivateKey	Full path to user's private key for SSH connections	String
sshUserKeyFile	SCC generated keyfile for use with SSH	String
sshKeyPassphrase	Encrypted by SCC, cannot be edited manually	String
sshServerDirectory	Directory on the SSH in which to send results	String
POST SCAN SCAP SUMMARY REPORTING OPTIONS		
summarySourceDirectory	Source directory for post scan SCAP summary reports	String that is an absolute directory path
summaryDestinationDirectory	Destination directory for post scan SCAP summary reports	String that is an absolute directory path
openSummaryDestinationDirectory	Open Windows Explorer to the directory containing the reports (Windows only)	Boolean (0/1)
computerListHistoricalHTMLReport	Generate the Computer List Historical HTML report	Boolean (0/1)
computerListHistoricalExcelReport	Generate the Computer List Historical Excel report	Boolean (0/1)
computerListHTMLReport	Generate the Computer List HTML report	Boolean (0/1)
computerListExcelReport	Generate the Computer List Excel report	Boolean (0/1)
siteSummaryHTMLReport	Generate the Site Summary HTML report	Boolean (0/1)
siteSummaryNonComplianceHTMLReport	Generate the Site Summary Non Compliance HTML report	Boolean (0/1)
siteSummaryExcelReport	Generate the Site Summary Excel report	Boolean (0/1)
siteSummaryNonComplianceExcelReport	Generate the Site Summary Non Compliance Excel report	Boolean (0/1)
POST SCAN SCAP DETAILED REPORTING OPTIONS		
detailSummarySourceDirectory	Source directory for post scan SCAP Detailed reports	String
detailSummaryDestinationDirectory	Destination directory for post scan SCAP Detailed reports	String
openDetailSummaryDestinationDirectory	Open Windows Explorer to the directory containing the reports (Windows only)	Boolean (0/1)

POST SCAN OVAL DETAILED REPORTING OPTIONS		
detailSummaryOVALSourceDirectory	Source directory for post scan OVAL Detailed reports	String
detailSummaryOVALDestinationDirectory	Destination directory for post scan OVAL Detailed reports	String
openDetailSummaryOVALDestinationDirectory	Open Windows Explorer to the directory containing the reports (Windows only)	Boolean (0/1)
POST SCAN SCAP/OVAL SHARED REPORT GENERATION OPTIONS		
allSettingsHTMLReportDetailSummary	Regenerate the All Settings HTML Report	Boolean (0/1)
allSettingsTextReportDetailSummary	Regenerate the All Settings Text Report	Boolean (0/1)
nonComplianceHTMLReportDetailSummary	Regenerate the Noncompliance HTML Report	Boolean (0/1)
nonComplianceTextReportDetailSummary	Regenerate the Noncompliance Text Report	Boolean (0/1)
allSettingsSummaryHTMLReportDetailSummary	Regenerate the All Settings Summary HTML Report	Boolean (0/1)
allSettingsSummaryTextReportDetailSummary	Regenerate the All Settings Summary Text Report	Boolean (0/1)
nonComplianceSummaryHTMLReportDetailSummary	Regenerate the Noncompliance Summary HTML Report	Boolean (0/1)
nonComplianceSummaryTextReportDetailSummary	Regenerate the Noncompliance Summary Text Report	Boolean (0/1)
THRESHOLD OPTIONS		
thresholdsEnabled	Enable usage of thresholds	Boolean (0/1)
thresholdsProfile	Allows usage of a different thresholds file value of 'default' translates to 'default-thresholds.xml'	String
thresholdsUnlockCode	Code generated by SCC Unlocker, to allow end users to modify thresholds	String
SCC SERVICE OPTIONS (WINDOWS ONLY)		
frequency	How frequently SCC Service should run	Integer (0 = Custom, 1 = Hourly, 2 = Daily, 3 = Weekly, 4 = Monthly)
schedule	Custom schedule if 'frequency' = 0	Integer (Hours)
randomizeSSHTransfer	Delay SCC Service (and SSH transfer) by a random amount of time to prevent DDoS if numerous computers are configured with the SCC	Boolean (0/1)

	service and SSH transfer	
`randomizeValue`	Max amount of time to delay starting SCC	Integer (seconds)
`timeout`	Programmatically calculated by SCC, do not edit	Integer
`lastServiceScan`	Programmatically calculated by SCC, do not edit	Integer
`nextServiceScan`	Programmatically calculated by SCC, do not edit	Integer
INTERNAL OPTIONS - DO NOT EDIT		
`version`	Version of SCC, do not edit	String
`timeStamp`	date/timestamp of last write to options, do not edit	Integer
`expignore`	Over-ride software expiration for pre-release versions	Boolean (0/1)
`scap12DBFilepath`	Relative path to the SCAP 1.2 content database, do not Edit	String
`iaControlDBLoaded`	Is the IA Control database loaded	Boolean (0/1)
`iaControlDBFilepath`	Relative path to the IA Control mappings database	String
`nvdcceFile`	Filename (no path) to the NVD CCE xml file	String
`cciFile`	Filename (no path) to the DISA CCI xml file	String

5.5 Generating Post Scan Reports from the Command Line

If a large number of files are collected on a share that is accessed via a LAN or WAN, it may be most time effective to generate the reports via command line on the server that contains the collection of files. This allows for a scheduled task to be created that can be run on a user specified time frame.

For example, if 100,000 computers are reviewed, it will likely take many hours to generate the summary reports. Ideally, this could be run during an evening a day after all of the results are created.

This functionality requires configuring a custom options.xml file with the GUI, and calling the application via command line with specific parameters.

5.5.1 Post Scanning Report Generation Parameters

Below are the parameters available for creating reports after XML results have been created. All of the following options must be used individually, and are not compatible with any other parameter.

To see the help related to informational parameters run **'cscc.exe --help info'**

```
############################################################
POST SCAN REPORT GENERATION PARAMETERS:
Below are the parameters available for creating reports after XML
results have been created. All of the following options must be used
individually, and are not compatible with any other parameter.


-s OPTIONS_FILEPATH, --summaryReports OPTIONS_FILEPATH
Generate SCAP summary reports using the specified options file.
Example: cscc.exe -s options.xml
Example: cscc.exe --summaryReports myOptions.xml


To set the source path for finding XML files to create summary
reports from use the following

    cscc  cscc.exe --setOpt summarySourceDirectory <Path to XCCDF
    results>


To set the source path for finding XML files to create reports from
use the following

    cscc  cscc.exe --setOpt summaryDestinationDirectory <Directory
    to save reports>


-ts OPTIONS_FILEPATH, --detailedSCAP OPTIONS_FILEPATH
```

Generate detailed reports for SCAP using the specified options file.

Example: cscc.exe -ts options.xml

Example: cscc.exe --detailedSCAP myOptions.xml

To set the source path for finding XML files to create detailed SCAP reports from use the following

```
cscc  cscc.exe --setOpt detailSummarySourceDirectory <Path to
XCCDF and OVAL XML results>
```


To set the source path for finding XML files to create reports from use the following

```
cscc  cscc.exe --setOpt detailSummaryDestinationDirectory
<Directory to save reports>
```


 -tv OPTIONS_FILEPATH, --detailedOVAL OPTIONS_FILEPATH

Generate detailed reports for OVAL results using the specified options file.

Example: cscc.exe -tv options.xml

Example: cscc.exe --detailedOVAL options.xml

To set the source path for finding XML files to create detailed OVAL reports from use the following

```
cscc  cscc.exe --setOpt detailSummaryOVALSourceDirectory <Path
to OVAL XML results>
```


To set the source path for finding XML files to create reports from use the following

```
cscc  cscc.exe --setOpt
detailSummaryOVALDestinationDirectory<Directory to save
reports>
```

5.5.2 Informational Parameters

Below are the parameters available for information purposes only. No configuration changes or scanning occur. All of the following options must be used individually, and are not compatible with any other parameter.

To see the help related to informational parameters run **'cscc.exe --help info'**

```
####################################################
INFORMATIONAL PARAMETERS:
```