

**How to View SRGs and STIGs**

**Part of the:**

**SRG/STIG Applicability Guide and Tool**

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**Developed by DISA for the DoD**

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# Introduction

XCCDF formatted SRGs and STIGs are intended be ingested into an SCAP validated tool for use in validating compliance of a Target of Evaluation (TOE). As such, getting to the content of a XCCDF formatted STIG to read and understand the content is not as easy as opening a .doc or .pdf file and reading it. The process can be a little confusing and trying. This document discusses the options and associated procedures.

## Viewing in a Browser

The XCCDF formatted STIGs were initially published with the intended capability of being displayed and read in a browser. Once opened in a browser, it can be read, searched, converted to .pdf, or printed.

SRGs and STIGs that are published in XCCDF format are delivered in a .zip file containing one or more .XML files, an .XSL style sheet, and a .jpg containing DoD and DISA logos. This .zip file is typically provided along with other files within another .zip file which is the SRG/STIG package.

1. Invoke/Open Windows Explorer
2. Navigate to the SRG/STIG .zip file
3. Unzip this file
   1. If using Windows 7 (or Vista) right click on the .zip file then select "Extract All" from the context menu.
      1. Accept (or change) the target filename and path
      2. Click the "Extract" button.
   2. If WinZip is installed and integrated with the Windows Explorer context menu, the easiest method of ensuring a smooth extraction is to: right click on the .zip file then select the WinZip sub-menu, then select “Extract to Folder <path/foldername>”. This will extract the archive into a folder of the same name as the .zip within the same folder containing the .zip file.
4. Open the newly created folder and repeat step three for the XCCDF STIG folder containing the file you wish to view or do so for all .zip files it contains
5. Once the STIG package is fully unzipped, navigate to one of the XCCDF STIG folders and open it.
   1. In the folder, there should be one or more .XML files, an .XSL style sheet, and a .jpg. These are all required to successfully view the STIG as intended.
6. Double click the .XML file
   1. The file should open it in your favorite or the default web browser providing your system’s file type associations are set to do so. (Note: the file association for .XML might be set to Office XML Editor, which seems to use IE)
   2. ALTERNATELY: Right click on the .XML file,
      1. Select “Open With” from the context menu.
      2. Select your favorite browser from the submenu.
         1. NOTE: If your desired selection is not in the list, select “Choose Default Program” then in the dialogue box select “Other Programs”; then select the desired browser. This will have the effect of adding the browser to the “Open With” list and re-associate .XML file types with the browser. Using the control panel, you can re-associate .XML file types with the original program if desired. This will not remove the browser from the “Open With” list, but you might have to use this method to access the browser to open the file properly.
7. The .XML file will open the Style sheet and a nicely formatted STIG document will be presented. This display should include the sensitivity rating of the document and its title in bold letters on the first page along with the DoD and DISA logos.

NOTE: An alternate method of viewing XCCDF STIG content without unzipping the STIG packages and XCCDF .zip files is to use the STIG viewer described in the next section.

## About DoD/DISA STIG Viewer

The DoD/DISA STIG Viewer tool provides the capability to view one or more XCCDF.xml formatted STIGs in an easy to navigate human readable format. It is compatible with STIGs developed and published by DISA for the DoD. The purpose of the STIG Viewer is to provide an intuitive graphical user interface that allows ease of access to the STIG content along with additional search and sort functionality unavailable with the current method of viewing the STIGs using a style sheet in a web browser. STIG Viewer also supports additional functionality.

STIG Viewer features:

* Multiple STIG files can be open in STIG Viewer at any given time.
* One or more XCCDF STIG files can be individually loaded.
* XCCDF STIG files can be extracted from zipped STIG packages.
* A 'Local Save-point' can be created on a system to store user configuration data and the current set of imported STIGs. This permits the last set of loaded STIGs to be reloaded each time the Viewer is started. The 'Local Save-point' can be deleted from the Viewer's options menu. Only one 'Local Save-point' can be created at a time.
* Multiple XCCDF STIG files can be simultaneously unzipped and loaded from a .zip file containing one or more folders which contain the zipped STIG packages. STIG Viewer will drill down to find all XCCDF files and load them. A 'Local Save-point' is required for this operation as all XCCDF files are extracted to its local folder.
* The list of STIG requirements/vulnerabilities can be sorted by STIG ID, Vulnerability ID, or Rule ID
* All loaded STIG files can be searched or filtered based on one or more keywords. All fields or individual fields can be searched. A filtered list of STIG requirements/vulnerabilities is returned
* CCI data can be displayed if the CCI reference is contained in the STIG requirements/vulnerabilities
* Loaded and filtered STIG data can be printed or exported to HTML and RTF file formats for use with other programs (i.e. web browsers and Microsoft Word). The printed/exported data is based on the list of requirements displayed in the center pane of the viewer. The output is formatted as a tables containing each requirement.
* A manual review checklist can be generated from the currently loaded STIG (or STIGs) or a filtered list. The checklist is generated from all requirements showing in the center pane. This checklist can be used to manually enter review results and notes. The manual review checklist can be saved and reloaded
* The manual review checklist can be formatted as a short form paper checklist for recording review results. This format can be exported to a file or printed
* Automated review SCAP XCCDF Results files can be imported into the checklist populating the checklist with the automated results. The manual portion of the review can be completed and added to the automated results.
* The checklist can be exported in a format that can be imported into VMS.

NOTE: This feature does not work well if a checklist is generated from multiple STIGs. Special handling is required

NOTES:

1. This project is produced in Java, and delivered as a single JAR file. It requires the Java Runtime Environment (JRE) be installed on the user’s machine to run. This allows the program to be run on any operating system for which the JRE is produced. This also limits the program to running at the permission level of the currently logged in user.
2. The STIG Viewer does not open or make use of any network connections.
3. 'Local Save-points' are created in the logged in user's “local directory” as defined by JAVA. This is a different location in each operating system. Under Windows 7 this is in the %USERPROFILE%\AppData\Local\STIGV\_AppData directory. This folder is deleted when the 'Local Save-point' is deleted.
4. The input to the STIG Viewer is an XCCDF XML file, other file types are rejected. STIG Viewer is optimized to XCCDF Formatted STIGs produced by DISA for DoD.

### Viewing in STIG Viewer

1. Invoke/Open STIG Viewer (STIG Viewer ##.jar)
2. To import a single XCCDF XML file directly:
   1. Type Ctrl-I or within the menu bar select: File-->Import STIG
      1. Navigate to and select the name of the XML XCCDF file you wish to load
      2. Click Import
   2. Repeat for additional XCCDF XML files if desired
3. ALTERNATELY: To import one or more XCCDF XML files contained in a .zip file (.zip files may be nested)
   1. Within the menu bar select: File--> Import STIG from ZIP
      1. Answer yes to the “Create SavePoint” dialogue box
      2. Navigate to and select the name of the .zip file you wish to load
      3. Click Import

NOTE: Using this method (3), all XML XCCDF files contained within .zip files housed in a SRG/STIG .zip file can be opened with one operation. Additionally, SRG/STIG .zip files may be grouped within a single zipped folder permitting all XML XCCDF formatted SRGs and STIGs to be imported at once. Using this method, all XML XCCDF formatted SRGs and STIGs can be imported from entire SRG/STIG Library when imported from the SRG/STIG Library Compilation .zip file.

## Formatted Viewing / Saving / Converting in Excel – NOT RECOMMENDED

1. Invoke/Open Microsoft Excel
   1. Click “Disable Macros” if prompted
2. Within the menu bar select: File-->Open-
   1. Navigate to and select the name of the XML XCCDF file you wish to load
   2. Click Open
3. An “Import .XML dialogue box with two radio buttons will appear.
   1. Click the 2nd radio button “Open the file with the following stylesheet applied”
   2. Click OK
4. Wait a few seconds for the transformation to be applied.
   1. You may get the following error message
      1. “The file you are trying to open “name of file”, is in a different format than specified by the file extension. Verify that the file is not corrupted and is from a trusted source before opening the file. Do you want to open the file now?”
   2. This message may be ignored
   3. Click “YES”, that you do want to open the file.
5. To store the file as an Excel .xlsx document:
   1. From the menu bar, click "File", then "Save as"
   2. At the bottom of the page, save file as type:
      1. Microsoft Office Excel Workbook (\*.xlsx)

The Transformation/STIG will now be stored as an Excel document.

NOTE: Other file formats can also be used to save the document thus effecting a conversion.

NOTE: The XML XCCDF file can also be opened in a table view

## Formatted Viewing / Saving / Converting in Word – NOT RECOMMENDED

1. Invoke/Open Microsoft Word
2. Within the menu bar select: File-->Open-
   1. Navigate to and select the name of the XML XCCDF file you wish to load
   2. Click Open
3. A dialogue box appears asking whether you want to install an XML expansion pack.
   1. a) Click "NO"
   2. This may be repeated
4. On the right side of the screen an “XML data view” pane appears
   1. Initially “Data Only” is selected
   2. Select the \*.xsl file to apply the style sheet

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1. To store the file as a Word .docx document:
   1. From the menu bar, click "File", then "Save as"
   2. At the bottom of the page, save file as type:
      1. Word Document (\*.docs)

The Transformation/STIG will now be stored as a Word document.

NOTE: Other file formats can also be used to save the document thus effecting a conversion.