Evaluate-STIG ChangeLog

1.2507.6

11/12/2025

What's New

- New option -*SelectDeviceType* : To specify what role (Router, Switch, or both) a Cisco device is acting as for certain platforms. Refer to user guide for more.
- Add support for Cisco IOS Router NDM STIG
- Add support for Cisco IOS Router RTR STIG
- Add support for Cisco IOS Switch L2S STIG
- Add support for Cisco IOS Switch NDM STIG
- Add support for Cisco IOS Switch RTR STIG
- Add support for Cisco IOS-XE Router RTR STIG
- Add support for Cisco IOS-XE Switch RTR STIG
- Add Result Source field to Answer File tab in GUI. This is to set the source file to import results from.

Other Changes

- Add Count of Open and NR Checks Per STIG to result object, log, and tattoo (issue 2596)
- Improve `-SelectSTIG`, `-ExcludeSTIG`, and `-ForceSTIG` to list STIGs depending on Cisco or Windows/Linux scan (issue 2579)
- Improve Get-UsersToEval to ensure gMSA are returned last (issue 2550)
- Improve GUI to invoke the `Discard` button when the ESC key is pressed on the Answer Files Tools and Preferences Editor tabs (issue 2592)
- Improve Linux hostname detection to ensure short name is used for output folder names, file names, etc. (issue 2586)
- Improve MSDefender V-213431 and V-278673 to add text to Finding Details when V-278658 is configured (issue 2580)
- Improve Mozilla Firefox detection to identify Developer Edition (issue 2576)
- Improve orphaned scheduled task cleanup to not throw a terminating error on failure (issue 2529)
- Improve STIG Manager imports (issues 2511, 2461, and 2236)
- Improve support for SQL running in clusters (issues 2496 and 2556)
- Improve updating process (2590)
- Improve UPN compare logic to consider sublevels of trusted UPN as compliant accounts (issue 2578)
- **Bug Fixes:**
  - Issue 2597 : Applicable and Processed STIGs not Listed in Linux Tattoo
  - Issue 2591 : Evaluate-STIG GUI not Reading Values in Preferences Editor Tab
  - Issue 2589 : Several checks failing for SQL Server 2016 if DB has a "$" in the name
  - Issue 2585 : RHEL8 V-251711 False Positive
  - Issue 2582 : RHEL9 V-258042 and V-258105 are inconsistent
  - Issue 2564 : AL2023 STIG has 2 checks that do not run
  - Issue 2563 : Evaluate-STIG as CI Can Fail Trying to Delete Registry Key
  - Issue 2558 : V-260589 for Ubuntu 22.04
  - Issue 2557 : V-260622 for Ubuntu 22.04
  - Issue 2554 : V-260507 for Ubuntu 22.04
  - Issue 2552 : V-274862 Ubuntu 22.04
  - Issue 2549 : GUI Answer File Release Mismatch Error not Listing All Data
  - Issue 2547 : AL2023 STIG has a couple false opens
  - Issue 2545 : Answer File Logging Order for Unsupported Checks
  - Issue 2528 : Forcing a Manual STIG does not work with Cisco
  - Issue 2472 : Scan-CiscoXESwitchL2S_Checks (Get-V220667) : Failed
  - Issue 2471 : Scan-CiscoXESwitchNDM_Checks (Get-V220526): Failed. Scan-CiscoXERouterNDM_Checks (Get-V215815): Failed
  - Issue 1121 : Cisco IOS XE L2S - Get-V220649 bug fixes
  - Issue 957 : Cisco IOS XE L2S V-220672 Check does not check for 'tag'

1.2507.5

October 1, 2025

What's New

- No new features this release

Other Changes

- Add Linux prerequisite checks pre-scan (issue 2540)
- Improve Windows workstation "multi-session" domain role detection for Azure environments (issue 2534)
- Update for Microsoft Windows Defender AV V2R6
- Update `Test-Prerequisites.sh` to include Amazon Linux 2023 (issue 2531)
- **Bug Fixes:**
  - Issue 2544 : Empty IpAddress Causes XCCDF Output Failure
  - Issue 2543 : Rancher RKE2 V-254564 Incorrect Path Checked
  - Issue 2541 : Windows DNS Server False Negative on RRSIG Checks
  - Issue 2538 : Answer Files no longer apply to Vulnerabilities that time out
  - Issue 2537 : Test-Path to ${env:ProgramFiles(x86)} Can Fail on 32-Bit Systems

- Issue 2536 : Evaluate-STIG_as_CI Calling Wrong Argument Hashtable
- Issue 2533 : 2507.4 - SQL 2022 Instance/Database - Several STIGs failing with a 'Cannot log in to SQL Instance $ServerInstance:' - Space in Name of DB
- Issue 2532 : $LogPath Variable Dependency in Multiple Functions - IIS10Server V-218790, V-218791
- Issue 2519 : RHEL 9 Audit Rule False Positives
- Issue 2484 : AnswerFile ValidationCode fails to execute with "ExceptionMessage : Program 'powershell.exe' failed to run: The filename or extension is too long"
- Issue 2333 : (Reopened) --OutputPayLoad Title,IP,FQDN,GroupID,Severity,RuleTitle,CCI,Status,FindingDetails not working on RHEL 8.10
- Issue 2288 : SQL 2016 Instance V-213935
- Issue 2282 : SQL 2016 Instance V-213944 Errs in PowerShell 7, but not 5

1.2507.4

September 22, 2025

What's New

- Add support for Amazon Linux 2023 STIG

Other Changes

- **Bug Fixes:**
    - Issue 2541 : Windows DNS Server False Negative on RRSIG Checks
    - Issue 2530 : New-ValidationObject function not working with the new answer file format
    - Issue 2527 : Hash Mismatch on Files not Required for Scan Generate File Integrity Failures
    - Issue 2526 : IIS10Site checks cannot find path to IIS $SiteName
    - Issue 2521 : MS Defender V-213431 False Positive
    - Issue 2519 : RHEL 9 Audit Rule False Positives
    - Issue 2517 : RHEL8 V-230263 - Unable to determine status if only configured in /var/spool/cron/root

1.2507.3

September 15, 2025

What's New

- Add ability in GUI to view STIG data when editing an answer file. Click the `View` button or double-click the vuln ID to display.
- Add `Deselect All` button to Remote | Cisco Options section in GUI's Scan tab.

Other Changes

- Add support for OneDrive V-275978 (issue 2498)
- Improve GUI to better support screen scaling (issue 2507)
- Improve GUI to auto select newly added items in Remote|Cisco listbox (issue 2504)
- Improve Java JRE 8 for Windows to expand 8dot3 path formats (issue 2499)
- Update for Microsoft Windows Defender AV V2R5
- Update Remove-DirectoryRecurse to include file lock detection (issue 2502)
- **Bug Fixes:**
    - Issue 2513 : 'Get-FullHostName' during remote Linux scan
    - Issue 2512 : Allow Integrity Violation Switch not passing to Remote Linux Scans
    - Issue 2508 : MS Exchange 2019 MB V-259688 False Positive
    - Issue 2500 : Empty Finding Details Still Populated with ResultHash Data
    - Issue 2491 : Answer Keys Containing Whitespace Do Not Process
    - Issue 2488 : IIS10Site: V-218771 - Incorrect site attribute for answer matching
    - Issue 2484 : AnswerFile ValidationCode fails to execute with "ExceptionMessage : Program 'powershell.exe' failed to run: The filename or extension is too long"
    - Issue 2483 : RHEL9 - V-274878 False Negative
    - Issue 2482 : Evaluate-STIG_Bash.sh chown error
    - Issue 2479 : AnswerFile not working after migrating to new format 2507.2 due to PSEXE path detection
    - Issue 2476 : RHEL 9 V-258190
    - Issue 2475 : SQL22 Instance V-271370 checks for wrong event to audit
    - Issue 2470 : Local scan fails to copy results from Windows Temp directory using "-PreviousToKeep 0"
    - Issue 2468 : RHEL 8 | V-230483 Fails in Evaluate-STIG 1.2507.2
    - Issue 2467 : The term 'Invoke-RemoteScan' is not recognized
    - Issue 2467 : Oracle Linux 8 | V-248587: Apparent False Positive
    - Issue 2458 : Active Directory V3 R5 V-243491 Fails scan
    - Issue 2455 : V-256978 throwing errors and ending up Not Reviewed (NR)
    - Issue 2448 : Cannot bind argument to parameter 'LogPath' Error

1.2507.2

August 25, 2025

What's New

- Add `Evaluate-STIG_GUI.ps1`. This is a new GUI for building scan command lines, executing scans, creating and maintaining answer files, and managing Evaluate-STIG's preferences file. This replaces `Manage-Evaluate-STIG.ps1` and `Manage-AnswerFile.ps1`.
- Update answer file structure to allow more flexibility and improved support for STIGs. Refer to the user guide for more information on the updated answer file format. *This is a major change that will require current answer files be migrated to the new format. Use the `Evaluate-STIG_GUI.ps1` or `Maintain-AnswerFiles.ps1` to perform the migration.*
- Update `Maintain-AnswerFiles.ps1` (located in the Auxiliary folder in the Evaluate-STIG distributable .zip) to support the new answer file format.

Other Changes

- Add additional file lock dectection (issue 2444)
- Improve .NET 4 V-225236 to only consider executables that are .NET 4.0 specifically (issue 2456)
- Improve Citrix 7.x Detection (issue 2436)
- Improve error logging (issue 2462)
- **Bug Fixes:**
  - Issue 2445 : RHEL 9 Check V-258107 is failing to execute
  - Issue 2443 : `-PreviousToKeep 0` Can Result in Failed Scan
  - Issue 2442 : RHEL 8 V-274877 Still shows open after recommended changes made
  - Issue 2441 : SQL 2022 V-274453 fails when running remotely
  - Issue 2440 : SQL 2022 V-271305 - Fails when running remotely
  - Issue 2437 : SQL Instance 2022 Get-V274453 Fails
  - Issue 2429 : V-253260 is incorrectly marked as open
  - Issue 2369 : Error with V-238324

1.2507.1

August 14, 2025

What's New

No new features this release

Other Changes

- **Bug Fixes:**
  - Issue 2432 : Remote Scan fails to execute

1.2507.0

August 13, 2025

What's New

- Add support for Microsoft SQL 2022 Instance STIG.
- Add support for Microsoft SQL 2022 Database STIG.
- Add ability to include unsupported STIGs. This will enable Evaluate-STIG to populate a checklist for an unsupported STIG with answer file data. See user guide for more.

Other Changes

- Add STIG Manager Secret Key support (issue 2109)
- Add support for ADFS as OIDC/Oauth (issue 2168)
- Add support for SQL 2016 Database V-213927 (issue 2392)
- Correct typo in README.MD (issue 2383)
- Improve `-ForceSTIG` to Override SQL Version (issue 2393)
- Improve `-Update` to wait for file locks to be released (issue 2344)
- Improve Apache Tomcat V-222962 to support a NF status (issue 2294)
- Improve CombinedCSV output to not also create single CSV files for certain STIGs (issue 2360)
- Improve compatibility with STIG Manager 1.5.7 (issue 2264)
- Improve error handling for SQL Server 2016 V-213966 (issue 2324)
- Improve RHEL 8 V-230306 and V-230308 (issue 2370)
- Improve SQL database processing to sort by database name before scanning (issue 2352)
- Improve SQL support to prevent connection pooling (issue 2350)
- Improve user profile selection to ignore registry keys missing the `SID` value (issue 2374)
- Update for Active Directory Forest V3R2
- Update for Canonical Ubuntu 20.04 LTS V2R3
- Update for Canonical Ubuntu 22.04 LTS V2R5
- Update for Canonical Ubuntu 24.04 LTS V1R2
- Update for Cisco IOS XE Router NDM V3R5
- Update for Cisco IOS XE Switch L2S V3R2
- Update for Cisco IOS XE Switch NDM V3R4
- Update for Citrix VAD 7.x Workspace App V1R3
- Update for Google Chrome V2R11
- Update for Oracle Linux 7 V3R3
- Update for Oracle Linux 8 V2R5

- Update for Oracle Linux 9 V1R2
- Update for Microsoft .NET Framework 4 V2R7
- Update for Microsoft Exchange 2019 Mailbox Server V2R3
- Update for Microsoft Windows 11 V2R4
- Update for Microsoft Windows Server 2022 V2R5
- Update for MS Edge V2R3
- Update for MS IIS 10.0 Server V3R4
- Update for MS IIS 10.0 Site V2R12
- Update for MS OneDrive V2R4
- Update for MS SQL Server 2016 Database V3R3
- Update for MS SQL Server 2016 Instance V3R5
- Update for Red Hat Enterprise Linux 8 V2R4
- Update for RHEL 9 V2R5
- Update for Trellix ENS 10.x Local Client V2R4
- Update for Windows Server 2019 V3R5
- **Bug Fixes:**
  - Issue 2431 : STIG Manager Cert Logic Error
  - Issue 2430 : Ubuntu 22.04, V-260496, Incorrect check command in script
  - Issue 2428 : Microsoft IIS 10.0 Server V-218819 incorrectly returns NF
  - Issue 2427 : .NET Framework Vuln ID V-225229: The target of the specified cmdlet cannot be a Windows client-based operating system
  - Issue 2426 : .NET 4 V-225233 Should Not Return Open
  - Issue 2425 : .NET 4 Checks Should be NA if .NET is not 4.0 Specifically
  - Issue 2424 : RHEL 8 V-230266 False Negative
  - Issue 2419 : RHEL 8 V-256973 Finding Details
  - Issue 2388 : Ubuntu 22.04 LTS / Vul ID: V-260586 / False negative
  - Issue 2387 : CORA Score is not accurate
  - Issue 2382 : RHEL 8 - V-230364 Returns root as open finding
  - Issue 2376 : Remove-Module error received when running Evaluate-STIG
  - Issue 2375 : Evaluate-STIG - Citrix Workspace app checklists false detection
  - Issue 2373 : V-258104 RHEL9 Test Failing to Execute
  - Issue 2368 : ApacheTomcat V-223006 - There is no logic that can result to NotAFinding
  - Issue 2365 : Fasle positive on Oracle8 V-248616
  - Issue 2361 : Long hostnames fail to save results from Remote Scan
  - Issue 2348 : Get-Variable Fails if Variable Does Not Exist
  - Issue 2346 : Evaluate-STIG.ps1 -Update Always Updates Even When Not Required
  - Issue 2345 : Error attempting to send results to STIG Manager with Evaluate-STIG 1.2504.2
  - Issue 2343 : Import-Certificates.bat Attempting to Import Non-Existing Cert
  - Issue 2341 : RHEL7 V-204480
  - Issue 2340 : Scan-IIS10_0_Server_Checks (Get-V218794) : Failed
  - Issue 2319 : Import-Certificate.bat Fails When Path to Certificates Contains Whitespace
  - Issue 2287 : SQL 2016 Instance V-213976
  - Issue 2286 : Possible WIndows Apache Site False Positive

1.2504.2

June 9, 2025

What's New

- New option -*AllowIntegrityViolations* : To allow a scan to run if a file fails integrity check. By default, scans will now fail if the file integrity process is not successful. This can happen if the code was modified after publication. Refer to user guide for more.
- New option -*TargetComments* : To optionally set Target Comments field in CKL and CKLB outputs. Refer to user guild for more.

Other Changes

- Add ability to automatically populate the Technology Area in CKL and CKLB outputs (issue 2304)
- Add Partial Support for .NET 4 V-225236 (issue 2313). Inventory and .NET version will be documentented but status will remain NR given the "security measures" requirement.
- Improve SQL support around ports and SQLBrowser service (issue 2326)
- Improve Windows Server domain controller NTP checks for child domains (issue 2321)
- Improve detection of Adobe PreFlight .p12 files (issue 2289)
- Improve Microsoft Exchange support when using Powershell 7 (issue 2000)
- Remove SQL dependency notes from the README (issue 2302)
- Update `-Marking` to Set CKLB Target Data Classification Field (issue 2339)
- Update to identify the primary MAC/IP for CKL/CKLB Target Data section (issue 1999)
- **Bug Fixes:**
  - Issue 2336 : Eval-STIG fails if microsoft.data.sqlclient does not exist
  - Issue 2334 : Order of Fields Specified with -OutputPayload is not Preserved
  - Issue 2333 : --OutputPayLoad Title,IP,FQDN,GroupID,Severity,RuleTitle,CCI,Status,FindingDetails not working on RHEL 8.10
  - Issue 2330 : RHEL 9 V-272496 Not Filtering Out root and #
  - Issue 2329 : Scan-NETFramework4_Checks (Get-V225224) : Failed. Happening Intermittently
  - Issue 2327 : AD Domain V-243484
  - Issue 2322 : SQL 2016 DB - V-213907 fails for 2 DB's out of hundreds
  - Issue 2320 : Evaluate-STIG 1.2504.1 SqlServer2016Instance Scan Failures

- Issue 2318 : V-204493 returns false positive due to new/possibly incorrect AWK command
- Issue 2314 : Oracle Linux 9 V1R1 V-271778 False Positive
- Issue 2311 : Oracle Linux 9 V1R1 V-271605 False Negative
- Issue 2310 : Oracle Linux 9 V1R1 V-271597 False Positive
- Issue 2309 : Oracle Linux 9 V1R1 V-271526 False Positive
- Issue 2308 : Oracle Linux 9 V1R1 V-271834 Error when evaluating
- Issue 2307 : Oracle Linux 9 V1R1 V-271852
- Issue 2298 : DOD Root Cert Checks are Only Checking for Unclass Roots
- Issue 2297 : Write-Log Can Miss Adding Lines to Logs
- Issue 2293 : RHEL V-230469 - Failed to execute vuln scan
- Issue 2292 : Cisco IOS-XE Switch L2S V-220667 Not Checking All Possible Inactive VLAN States
- Issue 2291 : Cisco IOS-XE Router NDM V-215843 / Switch NDM v-220554 Not Checking All Possible Crypto Types
- Issue 2290 : Ubuntu 22.04 OpenSSH detection
- Issue 2245 : RHEL 8 V-272484 false positive
- Issue 2156 : Evaluate -STIG v1.2501.1 will still not run on any verison of Ubuntu installed on system with an ARM architecture

1.2504.1

May 7, 2025

What's New

- Add support for Oracle 9 STIG
- Add support for Microsoft_SharePoint_Server_2013 (note: this STIG is deprecated so requires use of `-AllowDeprecated` switch)
- Remove SQLPS/SqlServer module dependencies for SQL Server support

Other Changes

- Mark STIG Microsoft SharePoint Designer 2013 as deprecated (must use `-AllowDeprecated` now)
- Improve SQL2016DB V-213901 (issue 1835)
- Remove "GO" from queries in SQL modules (issue 2281)
- Update IIS checks to always execute WebAdministration commands in Powershell.exe (issue 2283)
- Update .NET 4 V-225224 and FireFox V-251550 to get user profiles from Get-UsersToEval function (issue 2269)
- Update .Net 4 V-225229 to Include 3.5 EOL (issue 2266)
- Update Ubuntu 22.04 V-260473 to address false positive (issue 2248)
- Update to change Tomcat instance name output to assist Emass processing (issue 2192)
- **Bug Fixes:**
    - Issue 2277 : Ubuntu 24.04 V-270710 checks incorrect file
    - Issue 2276 : Azure VMs Spoofing Get-WindowsFeatureState
    - Issue 2272 : Scan-Windows11_Checks (Get-V253291, Get-V253292, Get-V253293)
    - Issue 2267 : Get-UsersToEval Can Get a Malformed SID from Registry
    - Issue 2263 : RHEL 8 - Evaluate-STIG 1.2504.0 cannot run in the case of no FQDN
    - Issue 2261 : Exception error in RHEL 9 STIG
    - Issue 2259 : Ubuntu 24.04 V-270743 false positive
    - Issue 2258 : Typo in V-270655 command
    - Issue 2257 : ExceptionMessage on V-244533 in RHEL8 STIG
    - Issue 2255 : RHEL8 V-272483 incorrect cipher order
    - Issue 2254 : RHEL8 - V-230323 & RHEL9 V-258052 False Negative
    - Issue 2250 : RHEL9 V-257794 false positive
    - Issue 2249 : RHEL9 V-272488 results reversed
    - Issue 2247 : RHEL 8 V-230557 false positive
    - Issue 2246 : ansible playbook hostname varible
    - Issue 2245 : RHEL 8 V-272484 false positive
    - Issue 2242 : RHEL8 V-272482 & 272483 False positive
    - Issue 2239 : RHEL8 V-230302 returns a false positive
    - Issue 2238 : AssetData.ScanSummary Object is Incomplete on Cisco Scans
    - Issue 2237 : Cisco Scan Fails if no Interfaces Have an IP Configured
    - Issue 2228 : Eval-STIG 1.2501.4 Resultant CKLB File MAC Address Field Only First Character of MAC
    - Issue 2187 : Ubuntu 24 /usr/sbin/sshd Failures
    - Issue 2185 : SQL Server Instance 2016 - Get-V214028 is incorrect
    - Issue 2161 : Apache scans fail to run when multiple virtual hosts are configured
    - Issue 1737 : SQL 2016 Database and Instance Permission Check
    - Issue 1480 : SQL 2016 Instance V-213977 - No finding details output

1.2504.0

April 16, 2025

What's New

- Add detection for blocked files. If any found, a warning will be displayed in the console and recorded in the Evaluate-STIG.log with instruction to run `Test-Prerequisites.bat` to correct.

Other Changes

- Update for Apache Server 2.4 Unix Site V2R6
- Update for Apache Server 2.4 Windows Server V3R3
- Update for Apache Server 2.4 Windows Site V2R2
- Update for Canonical Ubuntu 20.04 LTS V2R2
- Update for Canonical Ubuntu 22.04 LTS V2R4
- Update for Cisco IOS XE Router NDM V3R4
- Update for Cisco IOS XE Switch NDM V3R3
- Update for Microsoft .NET Framework 4 V2R6
- Update for Microsoft Windows 11 V2R3
- Update for Microsoft Windows Server 2022 V2R4
- Update for Microsoft Windows Server Domain Name System V2R3
- Update for Mozilla Firefox V6R6
- Update for MS IIS 10.0 Server V3R3
- Update for MS IIS 10.0 Site V2R11
- Update for MS Office 365 ProPlus V3R3
- Update for MS SQL Server 2016 Instance V3R4
- Update for Oracle Linux 7 V3R2
- Update for Oracle Linux 8 V2R4
- Update for Red Hat Enterprise Linux 8 V2R3
- Update for RHEL 9 V2R4
- Update for Windows 10 V3R4
- Update for Windows Server 2019 V3R4
- Update PowerShell 7.x detection to a minimum of 7.3. PS 5.1 for Windows is still supported. (issue 2227)
- **Bug Fixes:**
  - Issue 2235 : RHEL9 V-258107 false negative
  - Issue 2234 : RHEL9 V-257889 does not check root user
  - Issue 2230 : GUI not checking Output boxes and not setting PreviousToKeep
  - Issue 2224 : Citrix Workspace 7.x showing false positive for v-234262
  - Issue 2196 : SQL 2014 Instance V-213837, V-213838 Search Incorrectly and Err
  - Issue 2195 : SQL 2014 Instance V-213828 Errs if Get-LocalGroupMember Errs
  - Issue 2194 : SQL 2014 Database Trace Check Errors
  - Issue 2180 : RHEL 8 V-256973 False Positive

1.2501.4

April 7, 2025

What's New

- All code re-signed with new code signing certificate. Prerequisite scripts `Test-Prerequisites.bat` and `Import-Certificates.bat` updated with appropriate certificates. *Note: `Import-Certificates.bat` will remove the expired **CS.NSWCCD.001** (thumbprint: d95f944e33528dc23bee8672d6d38da35e6f0017).* New code signing certificate chain:
  - **DoD Root CA 6** (Thumbprint: d37ecf61c0b4ed88681ef3630c4e2fc787b37aef)
    - **DOD ID CA-72** (Thumbprint: ce68b25fa532d959935aeb2c29e1358531903535)
      - **CS.NAVAL SURFACE WARFARE CENTER CRANE DIVISION.001** (Thumbprint: 1c90ccc1c69525b37befb5fe139d8939e72eadb8)

Other Changes

- `Updating` module relocated to "Master_Functions" folder (issue 2191)
- **Bug fixes:**
  - Issue 2198 : SQL 2014 Instance Bad Param Block
  - Issue 2197 : SQL 2014 Database V-265637 Bad Param Block
  - Issue 2190 : Oracle Linux Version Check looking at wrong value
  - Issue 2188 : SQL 2016 Instance Incorrect Syntax Parsing "

1.2501.3

April 1, 2025

What's New

- No new features this release

Other Changes

- Add timestamp to all signed code (issue 2186).
- Improve STIG Instance Collection (issue 2179).
- Update .NET Framework V-225229 to determine status based on Microsoft support lifecycle (issue 2139).
- Update IIS 10 Server V-218823 and IIS 8.5 Server V-214438 to exclude disabled accounts (issue 2182).
- **Bug fixes:**
  - Issue 2184 : Ubuntu 24 V-270662 False Positive
  - Issue 2183 : Ubuntu 24 V-270662 Hangs
  - Issue 2177 : Some STIGs Cause Scan to Hang Indefinitely

- Issue 2176 : PostgreSQL Detection
- Issue 2169 : RHEL9 - V-258029 False Positive

1.2501.2

March 20, 2025

What's New

- Add `CountRetrievalSuccess` value in `AssetData.Score` and tattoo to note if the full number of checks was determined for scoring. STIGs where number of instances that STIG applies was not able to be determined (e.g. not having access to determine number of SQL databases) will have the counts of that STIG considered only once.

Other Changes

- Update detection for PostgreSQL 9.x to only consider PostgreSQL 9 and greater installs as applicable and not Crunchy Data or EDB Advanced Server (issues 2163 and 2110).
- **Bug fixes:**
  - Issue 2175 : RHEL 9 - V-270174
  - Issue 2174 : RHEL 9 - V-258116 - Finding details correction
  - Issue 2172 : Failed STIG Count Collection for Grading Fails Scan
  - Issue 2169 : RHEL9 - V-258029 False Positive
  - Issue 2166 : Certain Control Characters Stripped from Finding Details
  - Issue 2164 : RHEL9 - V-258024 False Positive
  - Issue 2162 : Apache Windows Failures
  - Issue 2160 : RHEL 9 - V-258173 Error
  - Issue 2155 : Evaluate-STIG v1.2501.1 fails to run on Windows computer with PostgreSQL installed
  - Issue 2154 : ApacheTomcat STIGs generating failure errors for new Eval-Stig version 1.2501.1
  - Issue 2153 : StrongCertificateBindingEnforcement reporting as open instead of Not a Finding
  - Issue 2150 : Updating removes STIG Manager collection name

1.2501.1

March 4, 2025

What's New

- New option *-FileSearchTimeout* : To set the maximum time in minutes that the search of all hard disks for specific file types (e.g. .p12) will run. May be a value of 1 to 1440 (default is 240).
- Add support for Citrix Virtual Apps and Desktop 7.x Workspace App STIG
- Add support for Canonical Ubuntu 24.04 STIG

Other Changes

- Add `LastCommand` to tattoo which lists the command line that was executed (issue 2127).
- Improve Linux file search commands (issue 2135).
- Improve `Get-AssetData` on Linux to confirm `ifindex` path exists before attempting to read it to reduce noise (issue 2132).
- Improve RHEL9 V-257818 (issue 2123).
- Improve Ansible playbook (issue 2090).
- Update to write tattoo when using `-ExcludeSTIG`. Tattoo is still ignorned when using `-SelectSTIG` (issue 2125).
- Update IIS 10 Site V2R10 for cyber.mil reposting (issue 2091).
- Update `Evaluate-STIG_ZIP_Hashes.txt` to no longer include the MD5 hash (issue 2113).
- Update .NET V-225229 to document enabled .NET features and mscorelib.dll versions but not set status (issue 2139).
- Update to reinstate IIS 8.5 Server V-214410 | IIS 10.0 Server V-218795 checks (issue 2143).
- **Bug fixes:**
  - Issue 2141 : Whitespace After EvalScore in SummaryReport.html
  - Issue 2138 : RHEL 9 V-258091 False Positive due to extra logic
  - Issue 2136 : RHEL8 V-257258 Comment is incorrect
  - Issue 2129 : Windows 10 V-220723 fails to execute
  - Issue 2119 : RHEL8 V-244532 Temporary files not removed
  - Issue 2116 : RHEL9 V-257796
  - Issue 2115 : RHEL9 V-257795
  - Issue 2112 : Manage Auditing and Security Log Checks False Positive
  - Issue 2111 : RHEL 9: V-257998
  - Issue 2108 : Get-SummaryReport cell wrap issue
  - Issue 2107 : Evaluate-STIG Remote RHEL Scan fails to copy any results if Trellix Module missing
  - Issue 2106 : Update on Linux via Powershell or bash errors out
  - Issue 2102 : Linux "cannot call a method on a null valued expression"
  - Issue 2100 : Answer File Issue (comment not always duplicated to Finding Details when blank)
  - Issue 2099 : Windows Server 2019 WN19-DC-000391 (V-271428) and WN19-DC-000401 (V-271429)
  - Issue 2097 : Issues uploading to stig manager
  - Issue 2095 : RHEL 8 V-256973 Appears to return False Positive
  - Issue 2093 : WinServer2019 V-214936 Getting False Positive due to method of evaluating
  - Issue 2019 : SQL2016Instance: V-214021 - No query results returned should be a status of NotAFinding

- Issue 2008 : RHEL8 false negative for V-230356 and V-251713
- Issue 1830 : SQL 2016 DB V-213926 / Instance V-213972 does not detect snapshot database encryption

1.2501.0

February 6, 2025

What's New

- Add `AssetData` node to output object. Refer to user guide for more.
- Add the ability to use `-AllowDeprecated` with `-ListApplicableProducts` to also include deprecated STIGs in the output.
- Expand data points written to the tattoo when using `-ApplyTattoo`. Refer to user guide for more.

Other Changes

- Add CORA grading properties. Available in the output object, tattoo, and summary reports (issue 2061).
- Add EvalScore property to `STIGInfo` object. The is the percentage of compliant checks (NA|NF) for the STIG (issue 2020).
- Add NIWC Enhanced SCAP Metrics to Evaluate-STIG_Calculator_and_Metrics.xlsx (issue 2035).
- Improve `Get-SummaryReport.ps1` to document instance|database|site (issue 2024).
- Improve `Get-WindowsFeatureState` function in response to Azure VM DomainRole inconsistency (issue 2042).
- Update Logs to include Version and Process ID in LogComponent (issue 2068).
- Remove Finding Details verbiage referency legacy vuln ID from Windows 11 V-253392 (issue 2059).
- Update for Apache Server 2.4 Windows Server V3R2
- Update for Apache Server 2.4 Unix Server V3R2
- Update for Apache Server 2.4 Unix Site V2R5
- Update for Canonical Ubuntu 22.04 LTS V2R3
- Update for Cisco IOS XE Router NDM V3R3
- Update for Microsoft .NET Framework 4 V2R5
- Update for Microsoft Exchange 2019 Edge Server V2R2
- Update for Microsoft Exchange 2016 Edge Transport V2R6
- Update for Microsoft Groove 2013 V1R4
- Update for Microsoft OneNote 2013 V1R4
- Update for Microsoft Outlook 2013 V1R14
- Update for MS Office 365 ProPlus V3R2
- Update for MS Office System 2016 V2R4
- Update for MS SQL Server 2016 Instance STIG V3R3
- Update for Oracle Linux 8 V2R3
- Update for RGS RKE2 V2R3
- Update for Red Hat Enterprise Linux 8 V2R2
- Update for RHEL 9 V2R3
- Update for Trellix ENS 10.x Local Client V2R3
- Update for Windows 10 V3R3
- Update for Windows Server 2016 V2R10
- Update for Windows Server 2019 V3R3
- Update for Windows Server 2022 V2R3
- Update progress bar to include instance|database|site being scanned (issue 2044).
- Update to scan Windows Server 2022 STIG on systems running Windows Server 2025 (issue 2060).
- Update W32TM checks to confirm W32Time service is running before checking configuration (issue 2023).
- **Bug fixes:**
  - Issue 2092 : Manage-AnswerFile.ps1 Can Create Duplicated Answer Keys
  - Issue 2062 : Multiple Cisco Configs for Same Hostname Terminates Scan
  - Issue 2052 : V-205657 STIG Check Updated in Version 3, Release 2 (15 Nov 2024)
  - Issue 2048 : PostgreSQL9-x false positive - FIPS mode
  - Issue 2046 : PostgreSQL9-x false positives - events forwarded to syslog
  - Issue 2045 : Problems with RHEL 8 OS Checklist
  - Issue 2043 : Output Format Console Object - ESData Property Is Incorrect With Multiple Site/Databases
  - Issue 2037 : Checks Fail if Apostrophe is Part of Username
  - Issue 2033 : RHEL 9 V-258241 | Does not display answer files
  - Issue 2032 : Vulnerability false positives
  - Issue 2029 : Import into STIGManager only processes the last CKL file scanned
  - Issue 2026 : Empty AnswerFiles Folder May Result in Failed Remote Scan
  - Issue 2025 : RHEL 9 V-258097 and V-258098
  - Issue 2018 : RGSRKE2: V254555
  - Issue 2008 : RHEL8 false negative for V-230356 and V-251713
  - Issue 1995 : RGSRKE2: V254555
  - Issue 1986 : Apache 2.4 Unix Server V-214274 FP
  - Issue 1947 : Apache STIG not evaluating is Evaluate-STIG if run from a directory with subdirectories
  - Issue 1934 : RHEL 8 V-256973
  - Issue 1923 : Evaluate-STIG is not detecting the running root directory for non-standard deployments
  - Issue 1922 : Apache detection hangs on some processes
  - Issue 1920 : Ubuntu 18.04 not returning expected results for V-219170, V-219186, V-219281
  - Issue 1916 : postgreSQL FIPS mode not detecting OpenSSL version correctly for RHEL 9 - FIPS on
  - Issue 1914 : PostgreSQL9-x Scan ERROR: Cannot bind argument to parameter 'QueryOutput' because it is an empty string
  - Issue 1491 : Cisco IOS XE NDM Switch/Router False Open on Disabled Line

- Issue 1401 : Repair-XmlString fatal exception when parsing software from Get-InstalledSoftware with certain characters

1.2410.1

December 3, 2024

What's New

- Changes to `-Update` process:
  - Add backup/restore feature to updating when updating from 1.2410.1 and greater.
  - Add `%TEMP%\Evaluate-STIG\Evaluate-STIG_Update.log` to record update activity when updating from 1.2410.1 and greater.

Other Changes

- Add `Auxiliary Files` to Evaluate-STIG.zip. No longer a separate download (issue 2022).
- Add basic support for Windows Server DNS V-259401 and V-259413 (issue 1992).
- Improve Evaluate-STIG_as_CI to Support Whitespace in Evaluate-STIG.ps1 Path (issue 2010).
- Improve Evaluate-STIG_as_CI to search for Evaluate-STIG.ps1 in support of subfolders (issue 1989).
- Improve Cisco SSH version 2 checks (issue 1976).
- Move `Doc` folder inside of `Evaluate-STIG` folder so that it will be updated with `-Update` (issue 2021).
- **Bug fixes:**
  - Issue 2017 : RGSRKE2: V254564
  - Issue 2015 : Inventory of File Types (*.exe.config, *.p12, *.pfx, etc.) Not Collecting Properly
  - Issue 2014 : Evaluate-STIG_as_CI Remediation Fails When No Local Results Exist
  - Issue 2011 : Evaluate-STIG_as_CI Adding Switch Parameters Even When False
  - Issue 2009 : Evaluate-STIG_as_CI Failure if `$LocalESOutputPath` Does Not Exist
  - Issue 2008 : RHEL8 false negative for V-230356 and V-251713
  - Issue 2007 : RGSRKE2: V254571
  - Issue 2001 : `-OutputPath` not Requiring `-Output`
  - Issue 1996 : RGSRKE2: V254573
  - Issue 1995 : RGSRKE2: V254555
  - Issue 1993 : `Get-WindowsFeature` not Valid on Windows Workstation
  - Issue 1988 : Evaluate-STIG as CI - `ApplyTattoo` Misspelling
  - Issue 1987 : Windows 11 V-253274 - Returning NR
  - Issue 1983 : Ver 1.2410.0 - RHEL 8 Check V-257258
  - Issue 1981 : Scan-RHEL9_Checks (Get-V258122)
  - Issue 1979 : RHEL 9 V-258241

1.2410.0

November 4, 2024

What's New

- Add support for Windows 7 (Note: This STIG is deprecated and requires usage of `-AllowDeprecated` to enable it)

Other Changes

- Add XCCDF to Manage-Evaluate-STIG.ps1 and Evaluate-STIG.yml (issue 1913).
- Improve User Profile Selection to Consider Mandatory Profiles (issue 1975).
- Improve XCCDF output to include STIG Manager specific elements used during imports (issue 1973).
- Improve Get-WindowsOptionalFeature Checks (issue 1951).
- Improve Windows File Search (issue 1946).
- Improve Windows Server DNS code (issues 1935 and 1942).
- Improve IIS10Site STIG V218737 and V218738 (issue 1921).
- Improve Evaluate-STIG as CI File Copy (issue 1919).
- Update for Canonical Ubuntu 20.04 LTS STIG V2R1
- Update for Canonical Ubuntu 22.04 LTS STIG V2R2
- Update for Cisco IOS XE Router NDM STIG V3R2
- Update for Cisco IOS XE Switch NDM STIG V3R2
- Update for Google Chrome STIG V2R10
- Update for JBoss EAP 6.3 STIG V2R5
- Update for Microsoft Exchange 2019 Mailbox Server STIG V2R2
- Update for Microsoft Windows Server 2022 STIG V2R2
- Update for Microsoft Windows Server Domain Name System STIG V2R2
- Update for Microsoft Windows 11 STIG V2R2
- Update for MS Edge STIG V2R2
- Update for MS IIS 10.0 Server STIG V3R2
- Update for MS IIS 10.0 Site STIG V2R10
- Update for MS SQL Server 2016 Database STIG V3R2
- Update for MS SQL Server 2016 Instance STIG V3R2
- Update for Oracle Linux 7 STIG V2R1
- Update for Oracle Linux 8 V2R2
- Update for Red Hat Enterprise Linux 8 STIG V2R1

- Update for RGS RKE2 STIG V2R2
- Update for RHEL 9 STIG V2R2
- Update for Trellix ENS 10.x Local Client STIG V2R2
- Update for Windows 10 STIG V3R2
- Update for Windows Server 2016 STIG V2R9
- Update for Windows Server 2019 STIG V3R2
- **Bug fixes:**
  - Issue 1977 : RHEL8 -- V-230500 -- Throws Exception: The term 'firewall-cmd' is not recognized
  - Issue 1972 : Windows Server 2022 V-254254 / WN22-00-000170
  - Issue 1945 : Oracle 8 Linux V-248766 lookup error
  - Issue 1933 : Google Chrome V-221563
  - Issue 1932 : Cisco IOS XE Switch L2S V-220662 Trunk and BPS Issue
  - Issue 1929 : Scan-WindowsServer2022_Checks (Get-V254255) failed
  - Issue 1927 : AD Domain V-269097 False Open Finding
  - Issue 1926 : Scan-RHEL8 V230263 AIDE checks
  - Issue 1925 : Errors When Checking $env:ProgramFiles(x86) on 32-Bit Systems
  - Issue 1920 : Ubuntu 18.04 not returning expected results for V-219170, V-219186, V-219281
  - Issue 1918 : Evaluate-STIG as CI Remediation Loop
  - Issue 1917 : RegEx Issues on Some Cisco Configs
  - Issue 1911 : memtest86+ should be exempt from having audit=1 in grub.cfg in accordance with STIG V-260471

1.2407.2

September 24, 2024

What's New

- Add XCCDF as an option for -Output
- Add GroupTitle as an option for -OutputPayload

Other Changes

- Add GroupTitle (Group.title from STIG) to output object (issue 1894).
- Add LastModified Attribute for Each Answer File in Evaluate-STIG.log and STIG Manager Metadata (issue 1517).
- Add support for PostgreSQL running in Docker and Podman containers (issue 1908).
- Improve Evaluate-STIG as CI error logging (1893). Version increased to v1.2 and available as an optional auxiliary tool.
- Improve remote scans to detect locked files and wait for up to 30 seconds for the file to be released (issue 1891).
- Improve handling STDOUT in some checks (issue 1895).
- Update for Active Directory Domain V3R5
- Update for Active Directory Forest V3R1
- Update user profile selection to include Azure AD SIDs (issue 1892).
- **Bug fixes:**
  - Issue 1909 : JBOSS Detection fails on Linux
  - Issue 1907 : Evaluate-STIG communication to STIGManager
  - Issue 1890 : IIS 10 STIG V-218800
  - Issue 1889 : A Null $Result.Status not Being Processed Properly
  - Issue 1888 : Errors When Referencing $env:SYSTEMROOT\Microsoft.NET\Framework64 on 32-Bit Windows
  - Issue 1885 : SQL 2016 Instance False Positives
  - Issue 1884 : Ubuntu 20.04 - V-228234
  - Issue 1883 : -Update is does not update the Template Answer file
  - Issue 1880 : RHEL8 V244532 times out from too many files
  - Issue 1867,1882 : Evaluate-STIG (Version: 1.2407.0 - Failed to execute Group ID : V-213943 - Cannot compare "" because it is not IComparable.
  - Issue 1849 : SQL2016Instance V-213977 Bug - Access Is Denied Failure
  - Issue 1848 : SQL2016Instance V-213983 Bug - DBNull does not contain a method op_Addition Error
  - Issue 1821 : Use same or similar code for V-213935 as there is for V-213902 SQL Server 2016 STIGs

1.2407.1

August 28, 2024

What's New

- No new features this release

Other Changes

- Add sample Configuration Baseline to Auxiliary files for Microsoft Configuration Manager users (issue 1845).
- Add additional fields to output object and -OutputPayload (issues 1854, 1853, and 1847). Please refer to user guide.
- Add Version element to CKLB output (issue 1865).
- Add additional location to check for Firefox install on Linux (issue 1866).
- Improve Error Handling and Standardization (issue 1869).
- Improve PostgreSQL 9.x V-265877 (issue 1844).
- Remove IIS 8.5 Server V-214410 | IIS 10.0 Server V-218795 From Modules (issue 1858).
- Update <DisaCommonName> for SQL 2014 STIGs in STIGList.xml after DISA re-post (issue 1859).

- Update to no longer create empty LEGACY_ID nodes in CKL and CKLB if there are no legacy IDs for the check (issue 1857).
- **Bug fixes:**
  - Issue 1879 : Cisco IOS-XE Switch NDM V-220547 | Cisco IOS-XE Router NDM V-215836
  - Issue 1877 : False Finding / bad wording for vulnerability V-256973
  - Issue 1874 : False Positive for AD STIG V-243466, V-243467
  - Issue 1873 : Cisco IOS-XE Switch L2S - V-220659
  - Issue 1871 : Excessively Large CKL Files
  - Issue 1868 : -Output Splunk not working for remote scans
  - Issue 1863 : False positive: RHEL-09-255135 : /etc/ssh/sshd_config:GSSAPIAuthentication no
  - Issue 1862 : False positive: RHEL-09-255140 : /etc/ssh/sshd_config:KerberosAuthentication no
  - Issue 1860 : Evaluate-STIG.ps1 does not revert $PSStyle changes
  - Issue 1855 : Deprecated STIGs Being Scanned Even When -AllowDeprecated is not Used
  - Issue 1852 : New -JSON Parameter is Broken
  - Issue 1851 : RHEL8 V-230263 Reports a false finding when mailx installed and Aide is configured to run with cron.daily
  - Issue 1850 : CSV/COMBINEDCSV output spans cells for SQL Server 2016 Instance/Database
  - Issue 1842 : Windows 11 V-253296 Error on Standlone System
  - Issue 1841 : Error on multiple rules when used with AnswerFile
  - Issue 1839/1678 : Win10 v2r9 V-220703 Possible False Negative
  - Issue 1837 : Cisco IOS XE Switch NDM False OPEN when setting stronger than minimum password complexity variables.
  - Issue 1675 : RHEL 7 V-244558/V-204440 VulnIDs: Custom Validation Code or using custom code causes check to be reviewed
  - Issue 1547 : Bugs in checks and validation of answer files with notepad++
  - Issue 1494 : Cisco IOS XE NDM Switch/Router Notice and Consent Banner Always Reports Open

1.2407.0

August 5, 2024

What's New

- New types for `-Output`:
  - *CSV* : Save results to singular .CSV files per STIG.
  - *CombinedCSV* : Save results to a combined .CSV file. Note that similar to `CombinedCKL` and `CombinedCKLB`, some STIGs cannot be combined.
  - *Splunk* : Send results to a Splunk HTTP Event Collector.
- New option *-JSON* : Outputs results to console as JSON instead of a PowerShell object. Requires `-Output Console`.
- New option *-OutputPayload* : Select which fields to be included in the output. Requires `-Output CSV|CombinedCSV|Splunk` or `-JSON`.
- New option *-SplunkHECName* : Direct Evaluate-STIG which configured Splunk HTTP Event Collection (HEC) to upload results. Requires `-Output Splunk`.

Other Changes

- Add code for SQL Server 2014 Database V-67361, V-67365, V-67367, V-67369, and V-67377 (issue 1748, 1749, 1750, 1751, and 1752)
- Improve error handling and answer file processing (issue 1831).
- Improve file verification process to handle stop errors and proceed with the scan (issue 1818).
- Improve SQL Server 2014 Instance V-213889, V-213890 (issue 1730 and 1731)
- Improve SQL Server 2014 Database V-67359, V-67413, V-67415, V-67417, V-67419, V-67421, V-67423, V-67425, V-67427, V-67429, V-67431, V-67433, V-67435, V-67437, V-67439, V-67441, and V-67443 (issue 1747, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, and 1768)
- Update default ACL checks to leave as not reviewed if found ACL does not match expected default (issue 1822)
- Update for Apache Server 2.4 Unix Server V3R1
- Update for Apache Server 2.4 Windows Server V3R1
- Update for Apache Tomcat Application Server 9 V3R1
- Update for Canonical Ubuntu 18.04 LTS STIG V2R15
- Update for Canonical Ubuntu 22.04 LTS STIG V2R1
- Update for Cisco IOS XE Router NDM STIG V3R1
- Update for Cisco IOS XE Switch L2S STIG V3R1
- Update for Cisco IOS XE Switch NDM STIG V3R1
- Update for Microsoft Access 2013 V1R7
- Update for Microsoft Excel 2013 V1R8
- Update for Microsoft Exchange 2019 Edge Server STIG V2R1
- Update for Microsoft Exchange 2019 Mailbox Server STIG V2R1
- Update for Microsoft InfoPath 2013 V1R6
- Update for Microsoft Lync 2013 V1R5
- Update for Microsoft PowerPoint 2013 V1R7
- Update for Microsoft Project 2013 V1R5
- Update for Microsoft Publisher 2013 V1R6
- Update for Microsoft Visio 2013 V1R5
- Update for Microsoft Windows 11 STIG V2R1
- Update for Microsoft Windows Server 2022 STIG V2R1
- Update for Microsoft Windows Server Domain Name System STIG V2R1
- Update for Microsoft Word 2013 V1R7
- Update for MongoDB Enterprise Advanced 3.x STIG V2R3
- Update for MS Edge STIG V2R1
- Update for MS IIS 10.0 Server STIG V3R1
- Update for MS Office 365 ProPlus STIG V3R1

- Update for MS Office System 2013 STIG V2R2
- Update for MS SQL Server 2014 Database STIG V1R7
- Update for MS SQL Server 2014 Instance STIG V2R4
- Update for MS SQL Server 2016 Database STIG V3R1
- Update for MS SQL Server 2016 Instance STIG V3R1
- Update for Oracle Linux 8 V2R1
- Update for PostgreSQL 9.x STIG V2R5
- Update for Red Hat Enterprise Linux 7 STIG V3R15
- Update for RGS RKE2 STIG V2R1
- Update for RHEL 9 STIG V2R1
- Update for Trellix ENS 10.x Local Client V2R1
- Update for VMware Horizon 7.13 Connection Server STIG V1R2
- Update for Windows 10 STIG V3R1
- Update for Windows Server 2019 STIG V3R1
- **Bug fixes:**
  - Issue 1836 : STIG Display Name not Matching STIG Viewer 3.x
  - Issue 1829 : Exchange 2016 not detected
  - Issue 1825 : Manage-Evaluate-STIG Mismappings
  - Issue 1779 : RHEL 9 - V-258007 False positive
  - Issue 1778 : WinServer2019 V-205800 Bug - Missing VMICTimeProvider
  - Issue 1776 : SQL 2016 Instance V-213983
  - Issue 1772 : RHEL9 - V258155: Comment shows RHEL 8 instead of RHEL 9
  - Issue 1770 : Multiple CiscoConfig Files Fails to Output Object
  - Issue 1769 : SQL 2016 DB STIG V-213926 should limit finding details to the evaluated database
  - Issue 1746 : RHEL8 V-230224 False Positive for system installed with BIOS/MBR
  - Issue 1744 : RHEL7 V-244558 False Positive for EFI systems
  - Issue 1743 : RHEL8 V-230224 False Finding if encrypted partition name contains "part"
  - Issue 1742 : RHEL8 V-230229 fails if no certificate installed
  - Issue 1736 : Microsoft DotNet Framework 4.0 V-225238
  - Issue 1707 : Evaluate-STIG 1.2404.1 error during IIS10 Site scan
  - Issue 1678 : Win10 v2r9 V-220703 Possible False Negative

1.2404.2

July 8, 2024

What's New

- Add support for Microsoft Windows DNS STIG

Other Changes

- Add function to assess DomainRole and improve consistency (issue 1644)
- Add code for SQL Server 2014 Instance V-213817, V-213816, V-213815, V-213814, V-213813, V-213852, V-213838, V-213837, V-213835, V-213845, V-213844, V-213843, V-213842, V-213841, V-213839, V-213836, V-213834, and V-213847 (issues 1715, 1714, 1713, 1712, 1711, 1699, 1697, 1696, 1695, 1694, 1693, 1692, 1691, 1690, 1689, 1688, 1687 and 1704)
- Correct typo in Documentation. (-PreviousToKeep) (issue 1673)
- Improve IIS Certificate Checks (issue 1676)
- Improve W32TM Checks (issue 1674)
- Improve SQL Server 2014 Instance V-213874, V-213892, V-213891, V-213888, V-213887, V-213886, V-213885, V-213884, V-213883, V-213882, V-213881, V-213822, V-213821, V-213820, V-213812, V-213819, V-213811, V-213810, V-213898 (issue 1734, 1733, 1732, 1729, 1728, 1727, 1726, 1725, 1724, 1723, 1722, 1719, 1718, 1717, 1716, 1710, 1709, 1708, 1701)
- Move STIG detection code into dedicated module and nest it, Cisco, and STIGManager modules into Master_Functions (issue 1652)
- Remove support for SQL Server 2014 Instance V-213825 (issue 1721)
- Remove support for SQL Server 2014 Instance V-213824 (issue 1720)
- Remove support for SQL Server 2014 Instance V-213872 (issue 1703)
- Remove support for SQL Server 2014 Instance V-213866 (issue 1682)
- Update STIG deprecation:
  - Deprecate Adobe Reader DC Classic - no longer available on cyber.mil
  - Remove deprecation for ArcGIS Server 10.3 - still available on cyber.mil
  - Remove deprecation for Ubuntu 16.04 - still available on cyber.mil
- **Bug fixes:**
  - Issue 1705 : RHEL7 - Using [version] on non-numeric string causes check to exit without error resulting in Not_Reviewed status for the check
  - Issue 1700 : SQL Server 2014 Instance V-213875
  - Issue 1698 : SQL Server 2014 Instance V-213850
  - Issue 1686 : SQL Server 2014 Instance V-213895
  - Issue 1685 : SQL Server 2014 Instance V-213828
  - Issue 1684 : SQL Server 2014 Instance V-213894
  - Issue 1683 : SQL Server 2014 Instance V-213877 and V-213878
  - Issue 1681 : SQL Server 2014 Instance V-213829
  - Issue 1677 : V-244546 Version compare is not functioning with RHEL 8.10
  - Issue 1672 : Remote Scans not Honoring -AllowDeprecated
  - Issue 1671 : V-205657 (2019) and V-254239 (2022) - Not Detecting local admin accounts and LAPs
  - Issue 1668 : ver 1.2404.1 Defender AV not evaluating correctly

- Issue 1665 : Incorrect path duplication for previous checklists
- Issue 1662 : V-258091 - $finding.contains() needs to be updated to ($finding -match "pam_pwquality.so")
- Issue 1661 : V-258072 - The split(":") returns null, causing errors when trying to get [1]. "You cannot call a method on a null-valued expression."
- Issue 1659 : V-257794 - If statement can never happen because of `grep -v slub_debug` command in initial finding
- Issue 1657 : V-8557 False Negative - Active Directory Forest
- Issue 1654 : MS Office 365 ProPlus Reading ".DEFAULT"
- Issue 1555 : Tomcat V-222931 left as Not Reviewed due to Java Keytool command not being found

1.2404.1

May 29, 2024

What's New

- New option -***AllowSeverityOverride*** : Enables setting the `Security Override` and `Justification` fields in the checklist when the STIG contains verbiage that a specific criterion changes the severity of the check. *Refer to your organization's policy if usage of the Security Override feature in STIG Viewer is allowed.*
- Add support for MongoDB Enterprise Advanced 3.x STIG
- Enhancements to SummaryReport.html:
  - Add `Filter` option to STIG detail view
  - Add `Override`, `AFMod`, and `Pre-AF Status` columns to STIG detail view
  - Make all columns in STIG detail view sortable

Other Changes

- **Bug fixes:**
  - Issue 1650 : Manage-Evaluate-STIG.ps1 Stripping Spaces from Paths
  - Issue 1646 : Exchange 2019 not being detected
  - Issue 1645 : RHEL 9 258088
  - Issue 1643 : 1.2401.3 AdobeAcrobatProDCClassic V-213113 check incorrect
  - Issue 1641 : Could not find path 'C:\dev\null'
  - Issue 1639 : RHEL7 V-204473 False Positive
  - Issue 1638 : OneDrive Detection code causes error on Linux
  - Issue 1637 : v1.2404.0 - Server 2019 STIG - V-205907 - False Positive
  - Issue 1636 : V-257818 kdump service on RHEL 9 must be disabled. - False Positive
  - Issue 1635 : V-257794 RHEL 9 must clear SLUB/SLAB objects - False Positive
  - Issue 1631 : Relative OutputPath Causes Failure to Move Previous Results
  - Issue 1628 : Cisco IOS XE Switch NDM STIG - V220518 - ES logic doesn't account for alternate valid configs
  - Issue 1614 : Cisco IOS XE Switch L2S STIG - V-220662 - Check Text allows for percentages in lieu of BPS
  - Issue 1488 : Cisco XE Switch L2S V-220658 showing Open on Trunk Port

1.2404.0

May 14, 2024

What's New

- `-Output` can now include "Console" as an output option. This is also the default output. Allows outputting to both checklist files and console for the same scan.
- `-PreviousToKeep` now will retain all previous results when a negative value is used (e.g. `-PreviousToKeep -1`)
- Add support for ArcGIS Server 10.3 STIG
- Add support for Canonical Ubuntu 22.04 STIG
- Add support for Microsoft Exchange 2019 Edge Server
- Add support for Microsoft Exchange 2019 Mailbox Server
- Add support for Rancher Government Solutions RKE2 STIG

Other Changes

- Add MD5 Hash for Discussion, Check Text, and Fix Text. This is to assist internal development.
- Add GPG Fingerprint checks to RHEL/Oracle Modules (issue 1592)
- Add checks for RHEL8 V-230224,RHEL9 V-257879,Oracle8 V-248525 (issue 1591)
- Add checks for RHEL8 V-230229,RHEL9 V-258131,Oracle8 V-248531 (issue 1590)
- Add `New-ValidationObject` function that can be called from answer files for `<ValidationCode>` formatting (issue 1524)
- Improve Cisco Router Detection (issue 1586)
- Improve to better handle characters that were not rendering properly in output checklists (issue 1573)
- Improve querying of Active Directory group membership (issue 1567)
- Improve `Test-Prerequisites.bat` Execution Policy Checks (issue 1561)
- Improve user profile selection (issue 1554)
- Update filename timestamps to use 24 hour format instead of 12 hour (issue 1578)
- Update for Active Directory Domain STIG V3R4
- Update for Apache Server 2.4 Unix Server STIG V2R7
- Update for Canonical Ubuntu 18.04 LTS STIG V2R14
- Update for Canonical Ubuntu 20.04 LTS STIG V1R12
- Update for Cisco IOS XE Switch NDM STIG V2R9
- Update for JBoss EAP 6.3 STIG V2R4

- Update for Microsoft .Net Framework 4 STIG V2R4
- Update for Microsoft Excel 2016 V2R1
- Update for MS Edge STIG V1R8
- Update for MS Office 365 ProPlus STIG V2R12
- Update for MS Office System 2016 STIG V2R3
- Update for MS SQL Server 2016 Instance STIG V2R12
- Update for MS SQL Server 2016 Database STIG V2R9
- Update for Oracle Linux 8 V1R10
- Update for Red Hat Enterprise Linux 8 STIG V1R14
- Update for Red Hat Enterprise Linux 9 STIG V1R3
- Update for Windows 10 STIG V2R9
- Update for Windows 11 STIG V1R6
- Update for Windows Server 2016 STIG V2R8
- Update for Windows Server 2019 STIG V2R9
- Update for Windows Server 2022 STIG V1R5
- **Bug fixes:**
  - Issue 1624 : RHEL9 - V-258236 - Open and NotAFinding backwards
  - Issue 1613 : Tomcat STIG Scan check V-222979 resulting in Not_Reviewed status due to error caused by incorrect folder specified in the DISA STIG Check Text
  - Issue 1589 : Windows Server 2019/2022 V-205657/V-254239 Should be NA on DCs
  - Issue 1582 : Evaluate STIG 1.2401.3 Issues with RedHat 9 Checks
  - Issue 1579 : Multiple V-IDs 'grep' waiting for STDIN
  - Issue 1577 : Apache 2.4 UNIX Site STIG V-214300 check fails because of quotes around the SSLCACertificateFile directive
  - Issue 1575 : Remote Scan of Linux machine fails when using -ForceSTIG
  - Issue 1572 : AD Forest CKLs contain no CCI information
  - Issue 1570 : Incorrect parsing of command output in Get-VirtualHosts when NameVirtualHost directive is set
  - Issue 1569 : Incorrectly Parsing Audit Rules V-219296
  - Issue 1563 : RHEL8 V-244531 and RHEL7 V-204473 false negative
  - Issue 1562 : Modules for Older STIGs are Missing CCI References
  - Issue 1559 : Eval STIG Performing Apache Site Checks
  - Issue 1553 : Tomcat Potential False Positive V-222973 and V-223003
  - Issue 1552 : 222979 should check if the manager app is absent and report NF
  - Issue 1550 : V-213900 returning inconsistent results in 2401.3, possibly due to DB name
  - Issue 1549 : V-213901 local code issue starting with 2401.3, possibly due to DB name
  - Issue 1548 : V-205723 - Check reports NA on DC, but check should be applicable ONLY to DC
  - Issue 1546 : V-205740 - False-Positive for Default ACL missing when other account granted permission to SysVol
  - Issue 1543 : ADForest Module Missing CCI Data in Description Blocks
  - Issue 1542 : AnswerKey based on hostname does not appear to be working for 1.2401.3
  - Issue 1539 : AIDE false NOT A FINDING assignment due to incorrect text comparison check (RHEL7 V-251705 / RHEL8 V-251710)
  - Issue 1536 : Using -OutputPath yields "Error: The given path's format is not supported"
  - Issue 1535 : Evaluate-STIG generates multiple Tomcat checklists but fails to populate the Server number in field WEB_DB_SITE
  - Issue 1532 : SQL2016DB V-213902 no finding details if run remotely
  - Issue 1525 : When OutputPath is specified, it does not create non-existent directory
  - Issue 1444 : IIS 10 Site V-218779, V218780 - not scanning virtual directories in applications
  - Issue 1363 : RHEL 8 V-230279 false positive
  - Issue 1309 : SQL Instance 2016 V-213966 False Positive

1.2401.3

March 12, 2024

What's New

- New option *-LocalSource* : To update Evaluate-STIG from a local path containing the extracted content.

Other Changes

- Update for MS SQL Server 2016 Instance STIG V2R11 (cyber.mil re-post) - initial post had PostgresSQL verbiage in error.
- Improve Adobe Acrobat Pro to display version on newer releases (issue 1521).
- Improve Finding Details output to indicate configuration was noted by Evaluate-STIG on checks where Status could not be determined (issue 1518).
- Improve `Get-SummaryReport.ps1` to support pre 1.2401.0 summary reports (issue 1498).
- Improve handling of Cisco config files that may have duplicated sections (issue 1485).
- Improve `-Update` feature for future proofing (issue 1446).
- **Bug fixes:**
  - Issue 1529 : Tomcat Not In Scope for Windows
  - Issue 1528 : Space in Script Path stopped Manage-Evaluate-STIG.ps1 from executing
  - Issue 1527 : Absence of Optional Modules Causes Scan to Fail
  - Issue 1526 : Results Fail to be Added to Console Object for Remote Scan
  - Issue 1523 : Answer File Failure when -AnswerKey Matches Multiple Answer Keys in File
  - Issue 1522 : Manage-AnswerFile.ps1 GUI not displaying previously configured answers
  - Issue 1520 : Answer Files Break Cisco Scans
  - Issue 1516 : RHEL7 V-204477 Add to FindingDetails
  - Issue 1515 : Missing Discussion Text
  - Issue 1512 : RHEL7 V-204419 & V-204421, RHEL8 V-230364 & V-230367, RHEL9 V-258042 & V-258105 do not check for blank fields

- Issue 1511 : SQL2016 Fails if Connections Tightly Limited
- Issue 1510 : RHEL7 V-204508 & V-204511 incorrect files checked
- Issue 1506 : EvaluateSTIG calling escape sequence for users with apostrophes in last name
- Issue 1502 : Summary Report not including all NR
- Issue 1497 : Evaluate-STIG 1.2401.2 -SelectSTIG & -PreviousToKeep Bug Interaction
- Issue 1492 : SQL2016DB V-213902 not returning as expected
- Issue 1473 : Exception calling ".ctor" with "1" argument(s): "Value was invalid. Parameter name: sddlForm"
- Issue 1465 : SummaryReport HTML & CKL Files Inaccessible
- Issue 1309 : SQL Instance 2016 V-213966 False Positive

1.2401.2

February 20, 2024

What's New

- Add support for JBoss EAP 6.3

Other Changes

- **Bug fixes:**
  - Issue 1483 : Win 10 WN10-AC-000010 (and others)
  - Issue 1477 : STIGManager Imports Failing
  - Issue 1475 : Windows Server 2019 V-205737 False Positive
  - Issue 1474 : RHEL9 V-258186 False Positive
  - Issue 1471 : RHEL9 V-258176 and V-258189 False Positive
  - Issue 1470 : RHEL9 V-258215 and V-258216 False Positive
  - Issue 1468 : Get-SummaryReport not totaling Not_Reviewed correctly
  - Issue 1467 : Some Linux checks missing output due to variable conflict
  - Issue 1466 : RHEL8 false positive for V-230372
  - Issue 1459 : Scan-TomcatApplicationServer9_Checks causes Evaluate-STIG execution to fail on RHEL8 servers
  - Issue 1457 : Remote scans fail on Windows w/ error "Cannot bind argument to parameter 'Message' because it is an empty string"
  - Issue 1453 : Scan-TomcatApplicationServer9_Checks (Get-V222967) : Failed

1.2401.1

February 9, 2024

What's New

- No new features this release

Other Changes

- **Bug fixes:**
  - Issue 1464 : HTML Report STIG Details Fail to Expand if "" is in STIG Name
  - Issue 1463 : Console Results Only Returns Maximum of 2 STIGs When STIG is Applicable Multiple Times
  - Issue 1460 : Windows 10 STIG V-220701, V-220725, and V-220737, are "skipped" during evaluation
  - Issue 1458 : Several rules fail when using AnswerFile
  - Issue 1457 : Remote scans fail on Windows w/ error "Cannot bind argument to parameter 'Message' because it is an empty string"
  - Issue 1454 : RHEL7 - V204507 False Positive
  - Issue 1452 : Evaluate-STIG not using ExcludeSTIG from the preference file.
  - Issue 1451 : Dynamic Parameters do not consider Preferences.xml
  - Issue 1449 : Maintain-AnswerFiles.ps1 - Invalid Path to Schema Files
  - Issue 1448 : SQL2016DB checklist errors with "cannot call a method on a null-valued expression"
  - Issue 1445 : RHEL 9 Some checks fail to run
  - Issue 1215 : RHEL7 V-204478 / RHEL8 V-230309 False Positive

1.2401.0

February 7, 2024

* Please be aware there are many fundamental changes in this release. STRONGLY recommend reviewing the user guide before scanning. *

What's New

- User guide rewritten. ***There are major changes in this release so please be sure to review.***
- New option *-Output* : To choose which outputs to produce. By default, scan results will be returned to the console as a PowerShell object. Valid outputs are 'CKL', 'CKLB', 'CombinedCKL', 'CombinedCKLB', 'Summary', 'OQE', and 'STIGManager'. Use comma separation to specify multiple.
- New option *-PreviousToKeep* : Number of previous scan session outputs to retain. Scan outputs are the items requested with `-Output`. Retained results located in `[OutputPath]\Previous\[Results Date-Time]` folder. Default is '1'. Using `-PreviousToKeep 0` will remove all previous results and only retain current results.
- New option *-AllowDeprecated* : STIGs that have been removed from cyber.mil are considered deprecated. Evaluate-STIG will no longer scan for these by

default. This parameter will enable scanning of deprecated STIGs. For reference, `-ListSupportedProducts` will display which STIGs are deprecated.

- Add **'Test-Prerequisites.sh'** to help ensure prerequisites are met on Linux hosts.
- Now uses XCCDF from supported manual STIGs rather than CKL templates. ***NOTE: Populating a newer XCCDF is not a supported method for updating to new STIGs as Evaluate-STIG code must be modified for each release. Refer to the user guide on updating and release cadence.***
- Add ability to use hostname(s) as answer key in answer files. If the asset's hostname matches a key in the answer file, that answer will take precedence - even over a key called with -AnswerKey. See documentation for more.
- Add PSCustomObject support as `<ValidationCode>` output for answer files. Object must comprise of "Results" and "Valid" keys. "Results" will be applied to the Comments field in addition to your answer key comment and "Valid" should be **$true** or **$false** to dictate ValidTrueStatus/Comment or ValidFalseStatus/Comment. See documentation for more.
- Add STIG date to `-ListApplicableProducts` and `-ListSupportedProducts` output.

Other Changes

- Deprecated parameter **-CombinedCKL**. Use *-Output CombinedCKL* instead.

- Deprecated parameter **-STIGManager**. Use *-Output STIGManager* instead.

- Deprecated parameter **-GenerateOQE**. Use *-Output OQE* instead.

- Deprecated parameter **-NoPrevious**. Use *-PreviousToKeep* to control if and how many results to retain.

- Deprecated parameter **-KeepCKLs**. Use *-Output* parameter to direct which, if any, checklists files to create.

- Update **-OutputPath** to require **-Output** parameter. Default [OutputPath] remains unchanged.

- Change to SummaryReport.xml structure. If you're automating against it, below is the change:

  - **Old**

    ```
    <Checklists>
      <Checklist CklFile="CA1294WK16078_Chrome_V2R8_20240123-072432.ckl" Date="2024-01-23 07:24">
        <STIG>Google_Chrome_Current_Windows</STIG>
    ```

  - **New**

    ```
    <Results>
      <Result STIG="Google_Chrome_Current_Windows" Version="2" Release="8" StartTime="2024-01-23T07:31:07.6486724-05:00">
    ```

- Update for Apache Server 2.4 Unix Server STIG V2R6

- Update for Apache Tomcat Application Server 9 STIG V2R7

- Update for Canonical Ubuntu 18.04 LTS STIG V2R13

- Update for Canonical Ubuntu 20.04 LTS STIG V1R11

- Update for Cisco IOS XE Router NDM STIG V2R9

- Update for Cisco IOS XE Switch NDM STIG V2R8

- Update for Google Chrome STIG V2R9

- Update for Microsoft .Net Framework 4 STIG V2R3

- Update for Microsoft Exchange 2016 Edge Mailbox Server V2R6

- Update for Microsoft Exchange 2016 Edge Transport Server V2R5

- Update for MS IE 11 STIG V2R5

- Update for MS SQL Server 2016 Instance STIG V2R11

- Update for MS SQL Server 2016 Database STIG V2R8

- Update for PostgreSQL 9.x STIG V2R4

- Update for Oracle Linux 7 STIG V2R14

- Update for Oracle Linux 8 V1R9

- Update for Red Hat Enterprise Linux 7 STIG V3R14

- Update for Red Hat Enterprise Linux 8 STIG V1R13

- Update for RHEL 9 STIG V1R2

- Update for Trellix ENS 10.x Local Client STIG V1R6

- Improve Firefox detection on Linux (issue 1441).

- Improve RHEL 8 V-230285 (issue 1426).

- Improve Generate Security Audit checks on Windows Server STIGs to allow for IIS App Pool SIDs (issue 1357).

- Improve RHEL 8 V-230357 (issue 1313).

- Remove V-243471 from the Active Directory Domain module (issue 1404).

- **Bug fixes:**

  - Issue 1443 : Prerequisite Scripts Fail on PowerShell 7
  - Issue 1440 : -ThrottleLimit Missing in Bash for CiscoConfig
  - Issue 1439 : .lck file being removed in error on rerun - remote and Cisco scans
  - Issue 1438 : Some Cisco logs not being cleaned up after scan
  - Issue 1435 : Audit checks using Auditctl
  - Issue 1407 : RHEL8 V-230302 Only checks first level folder for mounts due to the split occurring at /
  - Issue 1406 : RHEL8 V-230396 only check command in entire module being invoked via sudo
  - Issue 1405 : V-218800 issue with multiple bindings and IIS certificates
  - Issue 1401 : Repair-XmlString fatal exception when parsing software from Get-InstalledSoftware with certain characters
  - Issue 1399 : RHEL 8 V-230317 & RHEL 9 V-258050 False Positive
  - Issue 1397 : RHEL7 (V-204423) : Failed.
  - Issue 1396 : Evaluate-STIG Deleting PowerShell on RHEL8
  - Issue 1395 : Systems Upgraded from Windows 10 to Windows 11 Show as Windows 10
  - Issue 1391 : SQL 2016 Database V-213900 False Negative
  - Issue 1389 : RHEL 9 V-258215 V-258216 False Positive
  - Issue 1388 : RHEL 9 V-258027 False Positive
  - Issue 1387 : RHEL 9 V-258021 False Positive
  - Issue 1386 : RHEL9 V-257787 False Positive
  - Issue 1385 : RHEL9 false positives
  - Issue 1384 : RHEL8 V-230234 incorrectly checks for BIOS/UEFI mode resulting in erroneous finding results
  - Issue 1383 : RHEL 8 Incorrect permission comparisons
  - Issue 1379 : RHEL 7 Incorrect results for V-204438, V-204440, V-204497, V-204578, V-204595, V-244557, V-244558
  - Issue 1378 : RHEL9 V-258171 Fails
  - Issue 1377 : RHEL 9 V-258237 False Positive
  - Issue 1376 : RHEL 8 V-230394 false positive
  - Issue 1375 : RHEL 8 V-230392 false positive
  - Issue 1374 : RHEL 8 V-230480 false positive
  - Issue 1372 : RHEL 8 V-230385 failed to run
  - Issue 1371 : RHEL 8 V-230369 failed to run
  - Issue 1370 : RHEL 9 V-258123 certificate_verification check is looking for the wrong value
  - Issue 1369 : RHEL 9 V-258005 False Positive
  - Issue 1368 : RHEL 9 V-258010 false positive when /etc/ssh/sshd_config UsePrivilegeSeparation is set to yes
  - Issue 1367 : ES ISSUE with McAfeeENS10xLocal STIG and TRELLIX
  - Issue 1298 : ApacheTomcatAS V-222969 Failed to execute op_Addition error on RedHat 8 Linux
  - Issue 1275 : PostgreSQL will not scan "You cannot call a method on a null-valued expression"
  - Issue 1263 : HKEY_LOCAL_MACHINE Registry Hive Bug with Powershell 7
  - Issue 1215 : RHEL7 V-204478 / RHEL8 V-230309 False Positive

1.2310.1

What's New

No new features this release.

Other Changes

- Removed `CentOS7` and `Ubuntu22` as "supported products". Supported products are STIG centric. For these operating systems, Evaluate-STIG will generate RHEL 7 and Ubuntu 20.04 CKLs respectively.
- Removed the ability to bypass PowerShell execution policy on remote scans. This was causing a false positive in some Trellix configurations (issue 1352).
- Updated `Evaluate-STIG_Bash.sh --DownloadPS` to download PowerShell 7.3.10 on RHEL 7 systems. PowerShell 7.4 is incompatible with RHEL 7 (issue 1346).
- Updated `Get-InstalledSoftware` for better performance (issue 1342).
- Updated Answer File schema to validate proper Vuln ID format (issue 1310). This was advertised as included in 1.2310.0 but was missed.
- Bug fixes:
  - Issue 1362 : RHEL9 V-258173 fails if audit_backlog_limit is not set
  - Issue 1360 : RHEL 8 V-230349 false positive
  - Issue 1359 : Windows 11 STIG v1r5 Group ID: V-253476, Windows 10 STIG v2r8 Group ID: V-220952
  - Issue 1358 : RHEL9 Incorrect permission comparisons
  - Issue 1356 : RHEL7 Checks fail if .ToLower() called on empty string
  - Issue 1354 : RHEL7 V-204515 Fail if action_mail_acct not set
  - Issue 1353 : RHEL7 V-204514 Fail if space_left_action is not set
  - Issue 1351 : RHEL 9 V-258002 False Positive
  - Issue 1350 : RHEL 9 V-257996 False Positive
  - Issue 1349 : RHEL 9 V-257995 False Positive
  - Issue 1348 : RHEL 9 V-257953 False Positive
  - Issue 1347 : RHEL 9 V-257817 False Positive
  - Issue 1344 : RHEL 9 Multiple checks failed to run.

- Issue 1343 : RHEL 9 V-257933 False Positive
- Issue 1341 : RHEL 9 V-258061 False Positive
- Issue 1339 : RHEL 9 V-258066 False Positive
- Issue 1338 : RHEL 9 V-258141 False Positive
- Issue 1336 : RHEL7 V-204488 crashes if umask set using symbolic mode
- Issue 1334 : RHEL7 V-204488 umask comparison
- Issue 1333 : Comma Separation with -CiscoConfig Does not Work
- Issue 1332 : RHEL7 V-204473 False Negative
- Issue 1331 : RHEL7 V-204476 False Positive
- Issue 1330 : RHEL7 V-204471 False Positive
- Issue 1329 : RHEL7 V-204468 False Positive
- Issue 1328 : CheckPermissions function always returns true for file check
- Issue 1327 : RHEL 7 V-228564 False positive
- Issue 1326 : V-218762 - IIS10Site - False Positive
- Issue 1325 : RHEL 8 V-230353 false positive
- Issue 1323 : RHEL 8 V-230491 false positive
- Issue 1322 : RHEL 8 V-230465 false positive
- Issue 1321 : RHEL 8 V-230370 false positive
- Issue 1317 : Apache Tomcat AS Server 9 doesn't appear to be following symbolic links for checks V-222943, V-222946, V-222948, V-222986, V-222987, V-222988, V-222989, V-222990, V-222991

1.2310.0

What's New

- Add support for Red Hat Enterprise Linux 9 V1R1.
- Add `<ManageAnswerFiles>` section to `Preferences.xml` to allow for configuration of various paths within the Manage-AnswerFiles.ps1 GUI.

Other Changes

- Update for Apache Tomcat Application Server 9 V2R6
- Update for Canonical Ubuntu 18.04 LTS V2R12.
- Update for Canonical Ubuntu 20.04 LTS V1R10.
- Update for Cisco IOS XE Switch L2S V2R5.
- Update for Cisco IOS XE Switch NDM V2R7.
- Update for Cisco IOS XE Router NDM V2R8.
- Update for MS IIS 8.5 Server V2R7.
- Update for MS IIS 8.5 Site V2R9.
- Update for MS IIS 10.0 Server V2R10.
- Update for MS IIS 10.0 Site V2R9.
- Update for MS Office 365 ProPlus V2R11.
- Update for MS SQL Server Database 2016 V2R7.
- Update for Oracle Linux 7 V2R13.
- Update for Oracle Linux 8 V1R8.
- Update for Red Hat Enterprise Linux 7 V3R13.
- Update for Red Hat Enterprise Linux 8 V1R12.
- Update for Microsoft Exchange 2016 Mailbox Server V2R5.
- Update for Windows 10 V2R8.
- Update for Microsoft Windows 11 V1R5.
- Update for Windows 2012/2012 R2 DC V3R7.
- Update for Windows 2012/2012 R2 MS V3R7.
- Update for Windows Defender Firewall with Advanced Security V2R2.
- Update for Windows Server 2016 V2R7.
- Update for Windows Server 2019 V2R8.
- Update for Microsoft Windows Server 2022 V1R4.
- Improve Answer File schema to validate proper Vuln ID format (issue 1310).
- Improve RHEL-8 V-230376 (issue 1201).
- Bug fixes:
  - Issue 1319 : Bug in Ubuntu 20.04 V-238324 Test
  - Issue 1316 : AnswerFile GUI
  - Issue 1312 : Apache Tomcat AS Server 9 doesn't appear to be processing answer file for V-222965
  - Issue 1299 : Office 365 V-223351 false negative
  - Issue 1277 : RHEL 8 V-230325
  - Issue 1273 : RHEL 8 V-256973 false positive
  - Issue 1272 : RHEL 8 V-230321 False positive
  - Issue 1271 : GUI uses -Force instead of -ForceSTIG
  - Issue 1263 : HKEY_LOCAL_MACHINE Registry Hive Bug with Powershell 7
  - Issue 1261 : RHEL 7 issues with 2307.3
  - Issue 1260 : RHEL 8 issues with 2307.3
  - Issue 1253 : SQL V-213992 SQL6-D0-012400 False Positive

1.2307.3

What's New

- New option **-*ForceSTIG*** : To force the creation of a CKL regardless of applicability. Use Tab or CTRL+SPACE to properly select a STIG by its short name. For multiple STIGs, separate with commas. ***WARNING* Evaluate-STIG results are not guaranteed with this option. Use at own risk.** *If a STIG is both excluded (`-ExcludeSTIG`) and forced, `-ForceSTIG` takes precedence.* Usage:
  - `Evaluate-STIG.ps1 -ForceSTIG MSOffice365,Firefox`

Other Changes

- Add configurable scan options to `Preferences.xml`
- Add STIG Manager functionality to Cisco scans.
- Renamed `-STIGManagerKey` parameter. Now `-SMCollection`
- Renamed `-STIGManagerPassphrase` parameter. Now `-SMPassphrase`
- Improve UPN checks (issue 1245).
- Improve Firefox V-251560 to properly mark as NF if `Import Enterprise Roots` is enabled (issue 1238).
- Improve RHEL8 V-256973 to record output even if status cannot be determined (issue 1237).
- Improve RHEL8 V-230349 to better parse tmux.sh (issue 1234).
- Improve detection logic for Cisco IOS-XE devices (issue 1226).
- Improve RHEL7 V-204471 and V-204472 to not include hidden files/directories (issue 1222).
- Improve RHEL8 V-230230 to check for passphrase on the default key file if exists (issue 1204).
- Improve RHEL7 v-204473 (issue 1143).
- Improve RHEL permission checking (issue 769).
- Bug fixes:
  - Issue 1259 : Scan Fails on Windows if No User Profiles Exist
  - Issue 1258 : RHEL 7 V-204579
  - Issue 1251 : LAPSAccounts "Ignored Accounts"
  - Issue 1247 : Virtual Cisco Devices with IOS XE Not Supported by Evaluate-STIG
  - Issue 1246 : Ubuntu 20.04 V-238249
  - Issue 1244 : Improve Linux Banner checking
  - Issue 1242 : STIG: Active Directory Domain V-243477 Error
  - Issue 1241 : SQL Server 2016 Instance V-213953 False Positive
  - Issue 1239 : SQL Sever 2016 Instance V-213905 Incomplete
  - Issue 1235 : PostgreSQL Checks involving File Permissions False Positives
  - Issue 1233 : RHEL8 V-230471 Incorrect FindingMessage
  - Issue 1232 : RHEL8 V-230313 Incorrect FindingMessage
  - Issue 1231 : RHEL7 V-204603 & RHEL8 V-230484 False positive for maxpoll check
  - Issue 1225 : RHEL 8 fix V-251717
  - Issue 1223 : SQL Server 2016 Instance V-213961 Needs to be set to Not Reviewed instead of Not a Finding
  - Issue 1221 : RHEL7 V-204608
  - Issue 1218 : RHEL7 V-228564 audit log integer permission comparison
  - Issue 1217 : RHEL7 V-204596 & RHEL8 V-230286 integer permission comparison
  - Issue 1216 : RHEL7 V-204488 & RHEL8 V-230384 umask checks false negative
  - Issue 1215 : RHEL7 V-204478 / RHEL8 V-230309 False Positive
  - Issue 1214 : RHEL7 V-204474 False positive for initialization file owner check
  - Issue 1213 : Apache24SvrUnix V-214274 times out scanning all of /
  - Issue 1211 : RHEL7 V-204470 / RHEL8 V-230322 False positive
  - Issue 1210 : Evaluate-STIG_Bash.sh issues
  - Issue 1209 : RHEL8 V-257258
  - Issue 1208 : RHEL8 V-230226 Fails if banner-message-text is not defined
  - Issue 1193 : False Positive for RHEL-08-010291 V-230252
  - Issue 1168 : RHEL7 V-204468 Permission check is incorrect
  - Issue 1159 : Microsoft SQL Server 2016 Database - Could not open a connection to SQL Server
  - Issue 1055 : Apache 2.4 Site Unix STIG on RHEL 8 - Failed on V-214290 (string missing terminator) and V-214292 (System.Boolean does not contain a method named Contains)
  - Issue 1025 : RHEL 7 Group matching
  - Issue 1000 : SQL2016Instance (V-213966) : Failed. When SQL Server Configuration Manager "Force encryption is set to "YES"".

1.2307.2

What's New

No new features.

Other Changes

- Update for Microsoft Office 365 ProPlus V2R10.
- Modify `Evaluate-STIG_Bash.sh` to check for `pwsh`. If found, will use that instead of `powershell.tar.gz` (issue 1179).
- Modify `--Update` parameter in `Evaluate-STIG_Bash.sh` to not remove `powershell.tar.gz` during the update.
- Modify Ansible playbook to support FQDN hostnames (issue 1178).
- Modify order of `Test-Prerequisites.bat` steps for improved training flow (issue 1177).
- Add V-254520 to RHEL 8 scan module (issue 1063).
- Bug fixes:
  - Issue 1202 : RHEL 8 improvement/fix V-230228
  - Issue 1200 : RHEL 8 Fails For V-230469
  - Issue 1199 : SQL Instance 2016 V-213944 Does not include N/A Check
  - Issue 1197 : SQL 2016 Instance V-213960 Presumptuous, Crane-Specific and Wordy

- Issue 1196 : SQL 2016 Instance V-214030 Do Not Mark Open
- Issue 1195 : SQL 2016 Instance V-213991 Do Not Mark Open
- Issue 1193 : False Positive for RHEL-08-010291 V-230252
- Issue 1192 : False Positive for RHEL-08-010290 V-230251
- Issue 1191 : RHEL 8 False Negative for V-257258
- Issue 1190 : RHEL 8 False Positive for V-251706
- Issue 1189 : RHEL 8 False Positive for V-230371
- Issue 1187 : Evaluate STIG False Positives
- Issue 1186 : SQL 2016 Instance V-213950 Checking Too Much
- Issue 1183 : RHEL 7 V-251702 Marked as Open when no results are returned
- Issue 1182 : Unable to post results to STIG Manager when using an encrypted PEM
- Issue 1181 : SQL 2016 Instance V-213965 Missing from Latest Release
- Issue 1180 : RHEL 7 V-204488 & RHEL 8 V-230384 umask checks broken
- Issue 1141 : RHEL7 V-204471

1.2307.1

What's New

No new features.

Other Changes

- Update for Mozilla Firefox V6R5.
- Add `NSS Root` as approved DOD PKI chain on specific IIS and Windows Server checks (issue 1174).
- Improve RHEL 7 V-204472 and RHEL 8 V-248642 code to reduce risk of check timeout (issue 1160).
- Improve RHEL 7/8 initialization file checks to use consistent code (issue 1152).
- Bug fixes:
    - Issue 1145 : Issue running the Tomcat Application Server 9 STIG Scan in new Evaluate-STIG release 1.2307.0
    - Issue 1147 : RHEL 8 and Oracle 8 CKL Templates not Updated
    - Issue 1148 : RHEL8 V-230299, V-230302, V-230309, V-230328 fail if /etc/passwd has no users with UID >= 1000
    - Issue 1150 : RHEL7 V-204494 times out due to missing space
    - Issue 1156 : Passwords Require Expiration Checks Time Out After 15 minutes
    - Issue 1157 : Firefox V-251553 False Positive in release 1.2307.0 for RHEL 8
    - Issue 1158 : Windows 11 - V-253295 - False VM identification on fan-less Windows tablets
    - Issue 1161 : RHEL 8 Checks (V-230251, V-230252, & V-255924) Against SSH Crypto Policy Broken, Check & Fix Text Also Wrong
    - Issue 1162 : RHEL 8 Check V-230380 Broken
    - Issue 1163 : RHEL7 V-228564 /var/log/audit file checks are incorrect
    - Issue 1169 : RHEL 8 V-251716 False Negative
    - Issue 1171 : RHEL 8 230290, 230291, 230330, 230527, 230556
    - Issue 1172 : RHEL 8 V-230470 Does Not Implement the N/A Clause
    - Issue 1173 : IIS 10 (V-218800) / 8.5 (V-214415) Server Double-Quotes Causing Error
    - Issue 1176 : RHEL - Ansible Playbook

1.2307.0

What's New

- New option *-CombinedCKL* : To optionally create a single, consolidated checklist of the STIGs scanned. Note: STIGs that may produce multiple CKLs on an asset (e.g. SQL Instance/DB, IIS Site, Apache, etc.) will not be included in the combined CKL and will still result in separate CKLs. Usage:
    - `Evaluate-STIG.ps1 -CombinedCKL`
- New option *-STIGManager* : To upload results to a STIG Manager instance. Requires PowerShell 7. Usage:
    - `Evaluate-STIG.ps1 -STIGManager`
- New option *-STIGManagerKey <String>* : To specify which STIGManagerKey to use within `Preferences.xml`. If not specified, "DEFAULT" will be the assumed key. Usage:
    - `Evaluate-STIG.ps1 -STIGManager -STIGManagerKey "MyKey"`
- New option *-STIGManagerPassphrase <String>* : Passphrase to the encrypted key file for STIG Manager authentication. Not recorded to log and converted to a SecureString before sent. Usage:
    - `Evaluate-STIG.ps1 -STIGManager -STIGManagerPassphrase MyPassphrase`
- New option *-KeepCKLs* : To retain the individual CKLs when using `-CombinedCKL` or `-STIGManager`. Usage:
    - `Evaluate-STIG.ps1 -CombinedCKL -KeepCKLs`
- Add `Preferences.xml`. Currently used for STIG Manager configuration. Future will allow for Evaluate-STIG parameters to be set.
- Add support for Apache Tomcat Application Server 9 V2R5.

Other Changes

- Add the Evaluate-STIG GUI, `Manage-Evaluate-STIG.ps1`, to the distributable. No longer a separate download.
- Add the ability to check for blocked file with `Test-Prerequisites.bat` (issue 1140).
- Add note in Finding Details when VulnTimeout is reached (issue 1102).
- Update for Apache Server 2.4 Unix Server V2R5.
- Update for Apache Server 2.4 UNIX Site V2R4.
- Update for Cisco IOS XE Switch L2S V2R4.
- Update for McAfee ENS 10.x Local Client V1R5.
- Update for Microsoft Edge V1R7.

- Update for Microsoft OneDrive V2R3.
- Update for Microsoft SQL Server 2016 Instance V2R10.
- Update for Oracle Linux 7 V2R12.
- Update for Oracle Linux 8 V1R7.
- Update for Red Hat Enterprise Linux 7 V3R12.
- Update for Red Hat Enterprise Linux 8 V1R11.
- Update for Ubuntu 20.04 LTS V1R9.
- Improve Active Directory Domain V-243466 (issue 1091).
- Answer File GUI will now add Rule Title as XML comment (issue 1072).
- Replace whitespace in output CKLs with underscore characters (issue 1095).
- `Manage-Evaluate-STIG.ps1` will now default to the local path if it's the same path as Evaluate-STIG. (issue 1108).
- `Test-Prerequisites.bat` will now check for blocked files.
- Bug fixes:
  - Issue 971 : -ComputerName and -CiscoConfig cannot both be specified
  - Issue 972 : SQL2016Instance V-213950 & V-213966 fail
  - Issue 1055 : Apache 2.4 Site Unix STIG on RHEL 8 - Failed on V-214290 (string missing terminator) and V-214292 (System.Boolean does not contain a method named Contains)
  - Issue 1061 : RHEL 7 - V-204474
  - Issue 1064 : Double Apache24Unix checklists generated
  - Issue 1070 : Windows Server 2012 MS V-225495, V-225499, and V-225525
  - Issue 1075 : SQL2016 Database -- in V213908, 213921 and 251040, if NaF, Report NaF
  - Issue 1076 : Import-Certificates.bat - Access Denied
  - Issue 1080 : Oracle JRE8 / JDK
  - Issue 1081 : RHEL 8 V-230309 False Positive - Counts World Writable as Open even if not in initialization files
  - Issue 1082 : Active Directory Domain V-243477
  - Issue 1083 : Windows 10 V-220717 File System Permissions
  - Issue 1085 : Java JRE8 for Windows - Multiple Deployment.config/Deployment.properties
  - Issue 1086 : SQL2016 Instance V-213964 -- Module Logic Doesn't Match STIG Check Text
  - Issue 1087 : SQL2016 Instance V-213980 -- No check results should be NaF
  - Issue 1088 : SQL2016 Instance V-213990 -- Uncomment the Not a Finding
  - Issue 1089 : SQL2016 Instance V-214044 -- Uncomment the Not a Finding
  - Issue 1093 : Ubuntu 20.04 V-238358, V-238372 : Failed.
  - Issue 1094 : Finding Details exceed 32767 characters after truncate
  - Issue 1096 : Instance name being added as site name
  - Issue 1099 : Get-ScheduledTask not supported for Windows 2008 R2
  - Issue 1100 : Windows Server 2019, V-205852: Removal of Cert Files, Open/NF Script Logic
  - Issue 1103 : V-213910 (SQL 2016 Database), V-213976 (SQL 2016 Instance) - Documentation Compliance, O vs NR?
  - Issue 1104 : V-218772 (IIS 10 Site), Documentation, O vs NR?
  - Issue 1106 : IIS Server 10.0 V-218800 and IIS Server 8.5 V-214415
  - Issue 1109 : SQL2016 Instance V-213950 -- Should return NR instead of Open
  - Issue 1110 : CiscoConfig fails to find config files when run on a Linux host
  - Issue 1111 : RHEL7 - V-204478
  - Issue 1112 : V-213911 - SQL 2016
  - Issue 1113 : RHEL7 - V-204431
  - Issue 1114 : Adobe Reader DC Classic checking wrong registry path
  - Issue 1117 : RHEL7 V-204477 False Positive
  - Issue 1118 : SQL2016 Databasee V-213903 -- Finding Details Unclear for No Check Results
  - Issue 1119 : Microsoft Edge V-235758 May Not Get Edge Version
  - Issue 1120 : Windows 10 V-220716 False positive for accounts with no password
  - Issue 1122 : RHEL7 V-204488 .bash_history not excluded from umask search
  - Issue 1139 : RHEL7 V-204494 Enhance /var check
  - Issue 1142 : Certificate Chain Checks

1.2304.2

What's New

- Update for Cisco IOS XE Router NDM V2R7.
- Update for Cisco IOS XE Router NDM V2R6.
- Update for Microsoft Windows 10 V2R7.
- Update for Microsoft Windows 11 V1R4.
- Update for Microsoft Windows Server 2019 V2R7.
- Update for Microsoft Windows Server 2022 V1R3.

Other Changes

- Modified bash script to ensure a valid owner on the extracted PowerShell directory (issue 1024)
- Bug fixes:
  - Issue 1025 : RHEL 7 Group matching
  - Issue 1028 : RHEL 7 V-204477 & RHEL 8 V-230317 (Identical code in both), fail with Exception calling "ToInt16"
  - Issue 1047 : RHEL 7 V-204463
  - Issue 1048 : RHEL/CentOS 7 V-204403 - Results in false positive in CentOS 7 with no GUI installed

1.2304.1

What's New

- Update for Microsoft Active Directory Domain V3R3.
- Update for Microsoft Windows 10 V2R6.
- Update for Microsoft Windows 11 V1R3.
- Update for Microsoft Windows 2012/2012 R2 DC V3R6.
- Update for Microsoft Windows 2012/2012 R2 MS V3R6.
- Update for Microsoft Windows Server 2016 V2R6.
- Update for Microsoft Windows Server 2019 V2R6.
- Update for Microsoft Windows Server 2022 V1R2

Other Changes

- Add logic to confirm that `-ListApplicableProducts`, `-ListSupportedProducts`, and `-Version` do not have additional parameters specified.
- Bug fixes:
  - Issue 1010 : Support RedHawk RealTime OS
  - Issue 1011 : Ubuntu 20.04 - V-238335, V-238365, and V-238366
  - Issue 1012 : Firefox (V-251550) Failed
  - Issue 1013 : -ListApplicableProducts and -ListSupportedProducts Result in an Error
  - Issue 1014 : RHEL8 false positives for all blacklist.conf STIG's (V-230494, V-230495, V-230496, V-230497, V-230498, V-230499, V-230503)
  - Issue 1015 : RHEL8 false positive for V-256973 with wrong finding wording
  - Issue 1025 : RHEL 7 Group matching
  - Issue 1026 : Hardened UNC Path Check False Positive
  - Issue 1027 : RHEL 7 & 8 issues with checks using find on systems with an ext4 root filesystem
  - Issue 1028 : RHEL 7 V-204477 & RHEL 8 V-230317 (Identical code in both), fail with Exception calling "ToInt16"
  - Issue 1029 : Evaluate-STIG.log missing closing of tags on entries.
  - Issue 1031 : V-204470 Check does not appear to compare the Primary GID found in /etc/passwd of the user with the group owner of the home directory as spelled out by the STIG.
  - Issue 1032 : Remote Scan Progress Bar Can Show Computers Not Part of Scan
  - Issue 1034 : Evaluate-STIG_Bash.sh --ExcludeVuln not taking multiple arguments
  - Issue 1037 : RHEL 7 V-204469 False Positive
  - Issue 1038 : RHEL 8 false positive when evaluating modprobe.d
  - Issue 1039 : Mozilla Firefox V-252908 and V-252909 Checking Wrong Value
  - Issue 1040 : RHEL 8 - V-230256 DOD-approved TLS encryption GnuTLS config - False Positive
  - Issue 1041 : RHEL8 (V-230396) : Failed
  - Issue 1044 : Evaluate-Stig_1.2304.0 ENS scan failure
  - Issue 1045 : Windows Server DC "Certifications" Should be "Certificates"
  - Issue 1046 : Invoke-Sqlcmd Check Occurring when IIS is Selected

1.2304.0

What's New

- Removed requirement for `SqlServer` module to complete SQL scans. Will now use either `SQLPS` (installed by default) or `SqlServer`.
- Add detection logic to support for RedHawk RealTime OS (issue 1010).
- Update for Cisco IOS XE Router NDM V2R6.
- Update for Cisco IOS XE Switch NDM V2R5.
- Update for McAfee ENS 10.x Local Client V1R4.
- Update for Microsoft Internet Explorer 11 V2R4.
- Update for Microsoft IIS 8.5 Server V2R6.
- Update for Microsoft IIS 8.5 Site V2R8.
- Update for Microsoft IIS 10.0 Server V2R9.
- Update for Microsoft IIS 10.0 Site V2R8.
- Update for Microsoft Office 365 ProPlus V2R9.
- Update for Microsoft SQL Server 2016 Database V2R6.
- Update for Microsoft SQL Server 2016 Instance V2R9.
- Update for Oracle Linux 7 V2R11.
- Update for Oracle Linux 8 V1R6.
- Update for RHEL 7 V3R11.
- Update for RHEL 8 V1R10.
- Update for Ubuntu 10.04 LTS V2R11.
- Update for Ubuntu 20.04 LTS V1R8.

Other Changes

- Improve Cisco code to use Base Ethernet MAC Address in "Target Data" section of CKL (issue 945).
- Improve error trapping of ValidationCode from answer files (issue 959).
- Improve logging of Cisco config file support (issue 960).
- Improve user hive handling (issue 966).
- Improve cleanup code (issue 968).
- Improve answer file schema to validate `STIGComments Name` attribute (issue 975).
- Bug fixes:
  - Issue 909 : Not able to see stig checklist result
  - Issue 913 : RHEL 8 V-230256 script compares with check text example output instead of required values

- Issue 915 : RHEL 8 V-230265 (RHEL-08-010371) false positive
- Issue 923 : SQL Server 2016 Instance - V213968, V213969, and V13971 FindingDetails are not correct
- Issue 924 : SQL Server Database - V213910, V213914, and V213924 reported data should be filtered for only the database being processed.
- Issue 925 : SQL Server 2016 Database - V215040 Typo in WHERE clause line 1908
- Issue 927 : Get-AllInstances in Master_Functions.psml Broken - Possible correction in post
- Issue 930 : RHEL 7 v-250313 - Cannot call a method on a null-valued expression
- Issue 931 : Apache 2.4 Server Unix (V-214235) | Apache 2.4 Site Unix (V-214287) - Cannot call a method on a null-valued expression
- Issue 933 : SQL Server 2016 Instance - V-213931, V-213942, V-213961, V-213964, V-213966, V-213980 - mark as Not reviewed instead of OPEN
- Issue 934 : SQL Server 2016 Database - V-213908, V-213921, V-25104 - mark as Not reviewed instead of OPEN
- Issue 937 : RHEL8 V-230357 Grep path is incorrect
- Issue 941 : SQL Server 2014 Instance -- V-213849 if finding, return NR instead of Open
- Issue 942 : SQL Server 2016 Instance - V213957 check changes server config, plus should return NR instead of Open
- Issue 943 : SQL Server 2016 Instance - V213958 check changes server config; need NR instead of Open
- Issue 946 : RHEL 7 V-204482, V-204483, and V-204626 false positive
- Issue 947 : RHEL 7 V-204411 false positive
- Issue 948 : RHEL 7 V-204517 false positive
- Issue 949 : RHEL 7 V-204610 false positive
- Issue 950 : V-230323 and V-230320 pwck -r
- Issue 951 : RHEL 7 V-204597 false positive
- Issue 952 : RHEL 7 V-204469 and V-204470 false positives
- Issue 954 : RHEL 8 V-244522 grep command missing the third line
- Issue 956 : RHEL 7 V-228564 false positive
- Issue 965 : RHEL 8 V-230360 False Negative
- Issue 967 : RHEL 7 V-255928 false positive
- Issue 977 : RHEL 7 V-204430 false positive and improvement request
- Issue 1002 : GPResult OQE not Generated if No User Profile is Scanned
- Issue 1004 : RHEL 7 V-204489 False Positive
- Issue 1005 : Whitespace in Eval-STIG Path and GUI
- Issue 1006 : RHEL 7 V-204472 & V-204475 - False Positive
- Issue 1008 : RHEL 8 - V-230385 Comment handling

1.2301.1

What's New

- Added a GUI front end for Evaluate-STIG (`Manage-Evaluate-STIG.ps1`) under the Auxiliary Files.
- Added protection to prevent multiple/simultaneous scans of an asset. This could lead to file lock issues and log file scrambling.

Other Changes

- Removed additional code from Windows modules that referenced "McAfee" (issue 716).
- Update `Manage-AnswerFile.ps1` to display CAT level of checks (issue 757).
- Update PostgreSQL9.x to also scan 15.x. Versions in between have not been tested so use at own risk.
- Update to output scan results to console when using `-SelectVuln` (issue 884).
- Update Windows scans to only import user registry hive if a scan requires it (issue 888).
- Update RHEL 8 V-230479 to allow for UDP syslog (issue 890).
- Update `-SelectVuln` and `-ExcludeVuln` to require proper vuln ID (*V-####*) formatting (issue 893).
- Update linux audit rules to not require a certain order (issue 897).
- Update Evaluate-STIG documentation to correct slight error (issue 898).
- Bug fixes:
  - Issue 548 : AD Forest V-8555 & V-72835
  - Issue 833 : Feature categories are listed in addition to actual installed features
  - Issue 847 : RHEL 7 V-204501 not splitting correctly
  - Issue 874 : SQL Server 2016 Instance - Typos/Formatting issues
  - Issue 875 : PostgreSQL Issues
  - Issue 883 : Windows Server 2016 V-224971, V-224974
  - Issue 902 : RHEL 7 V-225928
  - Issue 904 : SQL2016 DB Scan Marked V-213905, V-213922, and V-213923 as NR, but No Results should be NF
  - Issue 905 : Scan-WindowsServer20xx_Checks
  - Issue 907 : Windows 10 V-220847 error converting "e" to int32
  - Issue 908 : Windows Server 2016 V-224842 says NotAFinding but .p12 files exist
  - Issue 911 : RHEL7 false positives for RHEL-07-021020 and RHEL-07-021021, possible code misconfiguration
  - Issue 912 : CKL Templates Do Not Match STIG Viewer Saved CKL Format
  - Issue 913 : RHEL 8 V-230256 script compares with check text example output instead of required values

1.2301.0

What's New

- New option *-CiscoConfig* : To scan Cisco `show tech-support` output file(s). Usage:
  - `Evaluate-STIG.ps1 -CiscoConfig C:\MyConfig\ShowTech.txt`
  - `Evaluate-STIG.ps1 -CiscoConfig C:\Configs\`
  - `Evaluate-STIG.ps1 -CiscoConfig C:\Configs\,C:\MyConfig\ShowTech.txt`

- New option **-Marking** : To optionally set Marking in CKL and on header/footer of files generated by Evaluate-STIG. Usage:
  - `Evaluate-STIG.ps1 -Marking "CUI"`
- Add support for Cisco IOS XE Router NDM V2R5.
- Add support for Cisco IOS XE Switch L2S V2R3.
- Add support for Cisco IOS XE Switch NDM V2R4.
- Add support for Oracle Java JRE 8 for Unix V1R3. *Note: this is for "Oracle Java JRE 8" only and not OpenJDK 8. It is unclear at this time if OpenJDK 8's version of JRE will actually utilize the deployment.config, deployment.properties, and exception.sites files.*
- Add schema validation for completed checklists. If validation fails, CKL will be moved to `%WINDIR%\Temp\Evaluate-STIG\Bad_Ckl` for troubleshooting evidence.

Other Changes

- STIG Viewer 2.17 or greater now required for Evaluate-STIG generated checklists.
- Change STIGList Name for `Oracle Java JRE 8` to `Oracle Java JRE 8 for Windows` and ShortName to `JavaJRE8Windows` to allow for the addition of Java JRE 8 for Unix.
- Update Java JRE 8 Windows module to allow for UNC paths and hidden shares in deployment.properties (issue 845). Note: due to double hop limitations, UNC paths will not work in remote scans.
- Update for Apache Server 2.4 UNIX Server V2R4.
- Update for Apache Server 2.4 UNIX Site V2R3.
- Update for Apache Server 2.4 Windows Server V2R3.
- Update for Google Chrome V2R8.
- Update for Microsoft IIS 8.5 Server V2R5.
- Update for Microsoft IIS 8.5 Site V2R7.
- Update for Microsoft IIS 10.0 Server V2R8.
- Update for Microsoft Office 365 ProPlus V2R8.
- Update for Oracle Linux 7 V2R10.
- Update for Oracle Linux 8 V1R5.
- Update for RHEL 7 V3R10.
- Update for RHEL 8 V1R9.
- Update for Ubuntu 18.04 LTS V2R9.
- Update for Ubuntu 20.04 LTS V1R6.
- Bug fixes:
  - Issue 804 : SQL Component Creating Unnecessary Opens
  - Issue 836 : V-213907 for SQL 2016 DB needs replmonitor and ##MS_SSISServerCleanupJobLogin##
  - Issue 850 : V-204563 RHEL 7 kmod audit no longer starts with -w
  - Issue 852 : Get-V67365, 67 and 69 give false NotAFinding in SQL 2014 Database
  - Issue 853 : MS Project/Visio 2016 EvalStig Scans are skipped
  - Issue 876 : V-225082 (Server 2016), V-205846 (Windows Server 2019): Open Instead of NF, Manual Review?
  - Issue 878 : V-252910 False positive when IE11 is installed on Windows 11
  - Issue 886 : Java JRE Windows V-234697

1.2210.2

What's New

- No new features or STIGs added to this release.

Other Changes

- The Ansible playbook has be rewritten to replicate the process for Evaluate-STIG Remote scanning on Windows. No longer will the Ansible script remove password restrictions to allow for rsync. The playbook now archives Evaluate-STIG, copies to the target machine, extracts and runs the evaluation, then archives the results to copy back to the path defined and extracted.
- Update detection logic for Apache 2.5 on Linux to look for a service instead of an installed package.
- Update IIS 10.0 detection logic to include Windows 11 with IIS installed.
- Bug fixes:
  - Issue 823 : SQL 2016 Instance V-213944 and V-213977
  - Issue 824 : PowerShell 7.3 gets permissions denied
  - Issue 826 : Edge V1R6 V-251694 NA condition
  - Issue 832 : ThrottleLimit switch still only does 10 systems at a time
  - Issue 835 : V-213192 for Adobe Reader check does not pull version information
  - Issue 837 : Win11 V-253364 Simultaneous connections to the internet or a Windows domain must be limited.
  - Issue 841 : RHEL 7 Apache CKL names
  - Issue 842 : Adobe Pro DC (64-bit) not Detected
  - Issue 843 : RHEL 8 - V-230507 - Check comes back as Not Reviewed
  - Issue 844 : RHEL 8 V-230479 rsyslog relp not detected

1.2210.1

What's New

- Add support for Apache Server 2.4 UNIX Server V2R3.
- Add support for Apache Server 2.4 UNIX Site V2R2.

Other Changes

- Update tattoo `LastRun` registry value to be ISO 8601 compliant (issue 811). To convert the value into a DateTime object:
  - `$LastRun = [datetime]::ParseExact((Get-ItemProperty HKLM:\SOFTWARE\Evaluate-STIG).LastRun, 'yyyyMMddTHHmmssffff', $null)`
- Update for Microsoft Active Directory Domain V3R2.
- Update for Microsoft Internet Explorer 11 V2R3 (re-post on cyber.mil).
- Update for Microsoft Windows 10 V2R5.
- Update for Microsoft Windows 11 V1R2.
- Update for Microsoft Windows Server 2012/2012 R2 DC V3R5.
- Update for Microsoft Windows Server 2012/2012 R2 MS V3R5.
- Update for Microsoft Windows Server 2016 V2R5.
- Update for Microsoft Windows Server 2019 V2R5.
- Bug fixes:
  - Issue 213 : Windows Server 2016 V-225013 should be NA for Domain Controllers
  - Issue 808 : Improve -Update switch
  - Issue 813 : Exception list path in deployments.properties isn't evaluating correctly for Java STIG checks

1.2210.0

What's New

- New option -*Version* : To display the version of Evaluate-STIG and the running path. Usage:
  - `Evaluate-STIG.ps1 -Version`
  - `Evaluate-STIG_Bash.sh --Version`
- Add support for Microsoft Exchange 2016 Edge Transport Server V2R4.
- Add support for Microsoft Exchange 2016 Mailbox Server V2R4.
- Add support for Microsoft Windows Server 2022 V1R1.

Other Changes

- Add `--ListSupportedProducts` to **Evaluate-STIG_Bash.sh**
- Add `--ListApplicableProducts` to **Evaluate-STIG_Bash.sh**
- Add `ScanType` to summary reports.
- Add progress bar to `-ListApplicableProducts`
- Add support for SQL 2014 Database V-67373. Issue 728.
- Add support for SQL 2014 Database V-67375. Issue 727.
- Add support for SQL 2014 Database V-67383. Issue 726.
- Add support for SQL 2014 Database V-67385. Issue 725.
- Add `Offline_Hosts.txt` under `%temp%\Evaluate-STIG` to document offline computers during a remote scan. Issue 633.
- Remove support for V-224825 (Windows Server 2016) and V-205699 (Windows Server 2019). Issue 765.
- Update detection logic for VMware Horizon Agent and Connection Server to create CKLs for 7.x instead of just 7.13 as the settings are the same for all 7.x versions.
- Update `Evaluate-STIG_Calculator_and_CKL_Metrics.xlsx` metrics and include additional charts.
- Update Office 365 module to mark as NA for checks targeting an Office product that is not installed. This is per the STIG Overview.pdf. Issue 779.
- Update to only compress Evaluate-STIG required files for remote scans. Issue 608.
- Update for Google Chrome V2R7.
- Update for McAfee ENS 10.x Local Client V1R3.
- Update for Microsoft .NET Framework 4.0 V2R2.
- Update for Microsoft Edge V1R6.
- Update for Microsoft Internet Explorer V2R3.
- Update for Microsoft IIS 10.0 Server V2R7.
- Update for Microsoft IIS 10.0 Site V2R7.
- Update for Microsoft Office 365 ProPlus V2R7.
- Update for Microsoft SQL Server 2014 Instance V2R3.
- Update for Microsoft SQL Server 2016 Database V2R5.
- Update for Microsoft SQL Server 2016 Instance V2R8.
- Update for Mozilla Firefox V6R4.
- Update for Oracle Linux 7 V2R9.
- Update for Oracle Linux 8 V1R4.
- Update for RHEL 8 V1R8.
- Update for RHEL 7 V3R9.
- Update for Ubuntu 18.04 LTS V2R9.
- Update for Ubuntu 20.04 LTS V1R6.
- Bug fixes:
  - Issue 735 : Java JRE8 V-234693 False Positive
  - Issue 737 : [Server 2016] Check 224831 marked Open due to recovery partition
  - Issue 755 : Java JRE8 multiple checks fail to execute due to a path validation error.
  - Issue 756 : McAfee ENS 10 Local Client - V-252798, V-252803, V-252804
  - Issue 760 : AuditPol Check Improvements
  - Issue 768 : RHEL8 V-244531 (RHEL-08-010731) check does not examine files
  - Issue 770 : Get-WindowsOptionalFeature Commands in Try/Catch
  - Issue 778 : RHEL8 V-244533 results in open finding even if preauth is before unix line
  - Issue 799 : Windows 10 V-220715 on Workgroup Computers

1.2207.3

What's New

- New option **-SelectVuln** : To selectively specify which vulnerability IDs to include in scan. For multiple vuln IDs, separate with commas. Requires -*SelectSTIG* parameter. Results will be saved to a "_Partial" folder under [OutputPath]. Usage:\
  - `Evaluate-STIG.ps1 -SelectSTIG Firefox -SelectVuln V-251553,V-251557`
- New option **-ExcludeVuln** : To selectively specify which vulnerability IDs to exclude from scan. For multiple vuln IDs, separate with commas. Requires -*SelectSTIG* parameter. Usage:\
  - `Evaluate-STIG.ps1 -SelectSTIG Firefox -ExcludeVuln V-251553,V-251557`
    Note: If a vuln ID is both selected (-SelectVuln) and excluded (-ExcludeVuln), exclusion will take precedent for that vuln ID. Example : `Evaluate-STIG.ps1 -SelectSTIG Firefox -SelectVuln V-251553,V-251557 -ExcludeVuln V-251557` would result in a partial CKL with only V-251553 completed because V-251557 is ultimately excluded per -ExcludeVuln.

Other Changes

- A restart of PowerShell no longer required after -*Update*.
- Improvements to *Evaluate-STIG_Bash.sh*
- Remote scanning of Linux assets now asks for an username for SSH prior to beginning the bulk scan process. This allows for authorized keys to be used to automatically connect to remote hosts where they have been set up. Evaluate-STIG will also attempt to elevate permissions prior to asking for a sudo password. This allows for NOPASSWD in visudo in environments where that is allowed. These changes will allow for an unattended bulk scan of Linux assets from a Windows host.
- Bug fixes:
  - Issue 715 : SQL2016 V-213907, V-213909 Falsely Marked Needs Reviewed
  - Issue 722 : Running Evaluate-STIG 1.2207.2 gives error of missing CKL: "(CUI)_McAfeeENS10xLocal.ckl"
  - Issue 730 : False 'Open' in Scan-CENTOS7_Checks.psml
  - Issue 732 : Remote Scan Failure Due to $env:TEMP Not Found
  - Issue 733 : Windows Server 2012 V-226314
  - Issue 736 : Firefox V-251553 False Negative
  - Issue 743 : Firefox V-251573 RHEL7 missing /etc/firefox/policies/policies.json file check
  - Issue 748 : RHEL 7 - V-204422 missing int cast and typos
  - Issue 752 : RHEL 7 V-204486 /dev/shm missing from /etc/fstab does not mean not applicable
  - Issue 753 : RHEL 8 251714 checks wrong value

1.2207.2

What's New

- Add support for Adobe Acrobat Pro XI V1R2.
- Add support for Adobe Acrobat Reader DC Classic Track V2R1.
- Add support for Windows 11 V1R1.

Other Changes

- Add Dark Mode to Answer File GUI.
- Bug fixes:
  - Issue #630 : Ubuntu 20.04 V-238225 check broken
  - Issue #697 : Java JRE 8 V-234697 crashing in some configurations.
  - Issue #699 : Wrong Adobe being recognized
  - Issue #700 : Windows 10 V-220706 not comparing to proper value.
  - Issue #701 : Manage-answerfile.ps1 closes on old version of ckl being selected.
  - Issue #703 : Java JRE 8 deployment.properties with trailing = on .locked properties result in failed check.
  - Issue #704 : McAfee ENS Local Client usage of `$IsWindows` variable will not work with PowerShell 5.1"
  - Issue #706 : V-238233 Ubuntu False Positive
  - Issue #707 : V-238249 Ubuntu False Positive
  - Issue #708 : V-238255 Ubuntu False Positive
  - Issue #709 : V-238337 Ubuntu Wrong Directory Searched
  - Issue #716 : Update McAfee Agent References to Include Trellix
  - Issue #717 : Adobe Acrobat Pro DC "Repair Installation on 32/64 bit" Checks not Looking at "Wow6432Node"
  - Issue #718 : V-238198 Ubuntu 20.04 Banner doesn't match

1.2207.1

What's New

- New switch **-ListApplicableProducts** to display which Evaluate-STIG supported STIGs are applicable to the asset. Local asset only and requires elevation. Usage:\
  - `Evaluate-STIG.ps1 -ListApplicableProducts`

Other Changes

- Bug fixes

1.2207.0

What's New

- Added support for Adobe Acrobat Professional DC Classic Track V2R1.
- Added support for McAfee ENS 10.x Local Client V1R2.
  - *This is CUI and an optional add-on available for download from IntelShare:*
    - https://intelshare.intelink.gov/sites/NAVSEA-RMF
    - https://intelshare.intelink.sgov.gov/sites/NAVSEA-RMF
- Added support for Windows Server 2008 R2 MS V1R33.
- Added `Manage-AnswerFile.ps1` to the root of Evaluate-STIG to assist with creating and managing AnswerFiles.
  - *This is in beta and we welcome any feedback.*

Other Changes

- Changed shortnames for `Apache 2.4 Server Windows` and `Apache 2.4 Site Windows` to `Apache24SvrWin` and `Apache24SiteWin`.
- PowerShell elevation no longer required for remote scans. If "LOCALHOST" is specified in `-ComputerName`, then elevation or `-AltCredential` is required.
- Remote scan logging moved to `%temp%\Evaluate-STIG`.
- Finding Details will be truncated after 32,767 characters.
- Removed Windows 11 from Windows 10 STIG detection. A true Windows 11 STIG has been released and Evaluate-STIG will support in a future version.
- Updated for Microsoft Internet Explorer V2R2.
- Updated for Microsoft Edge V1R5.
- Updated for Microsoft IIS 8.5 Server V2R4.
- Updated for Microsoft IIS 8.5 Site V2R6.
- Updated for Microsoft IIS 10.0 Server V2R6.
- Updated for Microsoft IIS 10.0 Site V2R6.
- Updated for Microsoft Internet Explorer 11 V2R2.
- Updated for Microsoft Office 365 ProPlus V2R6.
- Updated for Mozilla Firefox V6R3.
- Updated for Oracle Linux 7 V2R8.
- Updated for Oracle Linux 8 V1R3.
- Updated for PostgreSQL 9.x V2R3.
- Updated for RHEL 7 V3R8.
- Updated for RHEL 8 V1R7.
- Updated for Ubuntu 18.04 LTS V2R8.
- Updated for Ubuntu 20.04 LTS V1R5.
- Updated some Windows Server DC and Active Directory Domain checks to hopefully complete faster in larger environments.
- Updated detection logic for Adobe Professional and Adobe Reader to better detect installed products and tracks.
- Updated detection logic for Java JRE 8 to only consider workstations as applicable. Per the STIG overview, `This STIG is intended for desktop installations of the Oracle JRE and is not intended for Java Development Kit (JDK) installations, installs on server systems, or other JRE products.` Issue #618.
- Changed licensing to match RMF-Automation End User Agreement verbiage.
- Bug fixes

1.2204.1

What's New

- New switch **-*NoPrevious*** to disable preservation of current CKLs into Previous subfolder. Usage:\
  - `Evaluate-STIG.ps1 -NoPrevious`
- Added support for PostgreSQL 9.x V2R2.
- Added **Get-AnswerFileSummary.ps1** in Auxiliary/pub. Creates a HTML report from Evaluate-STIG Answer Files.
- Updated for Microsoft Defender Antivirus V2R4.
- Updated for Microsoft Windows 10 V2R4.
- Updated for Microsoft Windows Server 2012/2012 R2 Domain Controller V3R4.
- Updated for Microsoft Windows Server 2012/2012 R2 Member Server V3R4.
- Updated for Microsoft Windows Server 2016 V2R4.
- Updated for Microsoft Windows Server 2019 V2R4.

Other Changes

- Defender Antivirus entries in `-ListSupportedProducts` changed to reflect new STIG name:
  - Name: `Microsoft Defender Antivirus`
  - ShortName: `MSDefender`
- Updated to generate Windows 10 CKL for Windows 11 assets as directed on cyber.mil.
- Updated to generate Windows Server 2019 CKL for Windows Server 2022 assets as directed on cyber.mil.
- Removed support for IIS 8.5 Server V-214399 and V-214426 (issue #555).
- Removed support for IIS 10.0 Server V-218784 and V-218811 (issue #555).
- Removed sample .NET 4 answer file and replaced with a blank answer file template.
- Bug fixes

1.2204.0

What's New

- New switch **-*VulnTimeout*** to set the maximum time in minutes allowed for a singular Vuln ID check to run. Default is 15 minutes. Usage example:\

- Evaluate-STIG.ps1 -VulnTimeout 10
- Added **Evaluate-STIG_Bash.sh** for Linux systems which allows local instances of Evaluate-STIG to be run without PowerShell 7 installed. It must be run with sudo privileges. `sudo bash Evaluate-STIG_Bash.sh -h` to show supported switches. Usage examples:\
  - `sudo bash Evaluate-STIG_Bash.sh`
  - `sudo bash Evaluate-STIG_Bash.sh --ScanType Classified --SelectSTIG Ubuntu20,Firefox`
- Added **Evaluate-STIG.yml** in Auxiliary/pub. This an Ansible playbook designed to assist with remote Evaluate-STIG scans in a Linux-only environment.
- Updated for Google Chrome Current Windows V2R6.
- Updated for Microsoft Office 365 ProPlus V2R5.
- Updated for Microsoft Outlook 2016 V2R3.
- Updated for Microsoft SQL Server 2016 Database V2R4.
- Updated for Microsoft SQL Server 2016 Instance V2R7.
- Updated for Mozilla Firefox V6R2.
- Updated for Oracle Linux 7 V2R7.
- Updated for Oracle Linux 8 V1R2.
- Updated for RHEL 7 V3R7.
- Updated for RHEL 8 V1R6.
- Updated for Ubuntu 18.04 V2R7.
- Updated for Ubuntu 20.04 V1R4.

Other Changes

- Added support for Active Directory Forest V-15372.
- Updated to add the scan start date to both Finding Details and Answer File comments.
- Updated Answer File functionality to append **<ValidationCode>** results to Comment. Will truncate after 32767 characters.
- Updated so that VMware Horizon 7.13 STIGs are only applicable to Horizon 7.13 installs. Per DISA, these STIGs are not applicable to other versions (e.g. 8.x).
- Improved parsing of Java path formatting.
- Reorganized folder structure. **XmlSchema** renamed to **XML** and *STIGList.xml* moved into it. This is to further discourage modification of *STIGList.xml* (not supported).
- Added comments to CKL for checks where an answer was applied. This is for STIG Manager usage.
- Bug fixes

1.2201.2

What's New

- New switch *-Proxy* to set a proxy for use with *-Update*. Usage examples:\
  - `Evaluate-STIG.ps1 -Update -Proxy 10.0.0.5:8080`
  - `Evaluate-STIG.ps1 -Update -Proxy http://proxy.mil:1234`
- Added support for VMware Horizon 7.13 Agent V1R1.
- Added support for VMware Horizon 7.13 Client V1R1.
- Added support for VMware Horizon 7.13 Connection Server V1R1.

Other Changes

- Added `::1` as a valid entry for -ComputerName
- Added Evaluate-STIG version used to SummaryReport files.
- Improved error logging.
- Bug fixes

1.2201.1

What's New

- Added support for Oracle Linux 7 V2R6.
- Added support for Oracle Linux 8 V1R1.

Other Changes

- Remote scan connections will now be attempted to the FQDN of the remote asset.
- Evaluate-STIG will no longer place canned comments into the Comments field. This is not a Navy SCA requirement. Supporting text in Finding Details is the requirement and Evaluate-STIG meets this.
- IIS 10 checklists will now be generated on Windows 10 systems with the IIS-WebServer feature enabled.
- Bug fixes

1.2201.0

What's New

IMPORTANT: Remote scanning has been reworked and switches involved changed.

- *-ComputerName* now supports multiple computer names and lists through comma separation. Can be a computer name, a file with a list of computers, or a combination. Usage examples:
  - To scan a single computer named "MyComputer1":

```
Evaluate-STIG.ps1 -ComputerName MyComputer1
```
- To scan computers "mycomputer1" and "mycomputer2" and a list of computers:
```
Evaluate-STIG.ps1 -ComputerName MyComputer1,MyComputer2,C:\Computers.txt
```
- New switch *-AltCredential* added to prompt for an alternate credential to be used in conjunction with *-ComputerName*. If connection to the remote machine fails with the alternate credential, Evaluate-STIG will fallback to the launching user and attempt the connection. Essentially, this allows you to use two different credentials for your scans. For instance, if the launching user has admin rights to workstations and the alternate credential is server admin, you could scan both servers and workstations in a single scan. Usage example:\
  - ```
    Evaluate-STIG.ps1 -ComputerName MyComputer1,MyComputer2,C:\Computers.txt -AltCredential
    ```
- New switch *-ThrottleLimit* to set the maximum concurrent connections for *-ComputerName* (default is 10). Usage example.\
  - ```
    Evaluate-STIG.ps1 -ComputerName MyComputer1,MyComputer2,C:\Computers.txt -AltCredential -ThrottleLimit 7
    ```
- Added support for Apache Server 2.4 Windows Server V2R2.
- Added support for Apache Server 2.4 Windows Site V2R1.
- Added support for Microsoft SharePoint Designer 2013 V1R3.
- Added support for Mozilla Firefox V6R1.
- Added manifests for all module files.
- Added HTML summary report.
- Added file integrity checking for all Evaluate-STIG content excluding AnswerFiles.
- Updated for Google Chrome Current Windows V2R5.
- Updated for McAfee VirusScan 8.8 Local Client V6R1.
- Updated for Microsoft Edge V1R4.
- Updated for Microsoft Office 365 ProPlus V2R4.
- Updated for Microsoft Office System 2016 V2R2.
- Updated for Microsoft Outlook 2016 V2R2.
- Updated for Microsoft IIS 8.5 Site V2R5.
- Updated for Microsoft IIS 10.0 Server V2R5.
- Updated for Microsoft IIS 10.0 Site V2R5.
- Updated for Microsoft SQL Server 2014 Instance V2R2.
- Updated for Microsoft SQL Server 2016 Database V2R3.
- Updated for Microsoft SQL Server 2016 Instance V2R6.
- Updated for RHEL 7 V3R6.
- Updated for RHEL 8 V1R5.
- Updated for Ubuntu 18.04 V2R6.
- Updated for Ubuntu 20.04 V1R3.
- Applied GNU General Public License v3.0 to project.

Other Changes

- Deprecated *-ComputerList*. Use *-ComputerName* with comma separation.
- Deprecated *-SmartCardCredential*. Use *-AltCredential* instead.
- Deprecated *-UPCredential*. Use *-AltCredential* instead.
- Modifed *-Update* feature. If any expected file is missing or fails a hash check or an unexpected file is found, local content will be removed and synced up with upstream content. AnswerFiles content is excluded.
- Updated progress bars to be color coded based on *-ScanType* (green for Unclassified and red for Classified)
- Bug fixes

1.2110.2

What's New

- Updated for Active Directory Domain V3R1
- Updated for Microsoft OneDrive V2R2
- Updated for Microsoft Windows Defender Antivirus V2R3
- Updated for Microsoft Windows Firewall with Advanced Security V2R1
- Updated for Microsoft Windows Server 2012/2012 R2 Domain Controller V3R3
- Updated for Microsoft Windows Server 2012/2012 R2 Member Server V3R3
- Updated for Microsoft Windows Server 2016 V2R3
- Updated for Microsoft Windows Server 2019 V2R3
- Updated for Windows 10 V2R3

Other Changes

- Updated remote scan process to compress files for transport and reduce scan times.
- Bug fixes

1.2110.1

What's New

- Added support for Ubuntu 16.04 STIG

Other Changes

- Bug fixes

1.2110.0

What's New

- Added support for Ubuntu 20.04 STIG
- Updated for Microsoft Edge V1R3
- Updated for Microsoft IIS 10.0 Server V2R4
- Updated for Microsoft IIS 10.0 Site V2R4
- Updated for Microsoft IIS 8.5 Server V2R3
- Updated for Microsoft IIS 8.5 Site V2R4
- Updated for Microsoft Internet Explorer 11 V2R1
- Updated for Microsoft SQL Server 2016 Database V2R2
- Updated for Microsoft SQL Server 2016 Instance V2R5
- Updated for Ubuntu 18.04 V2R5
- Updated for RHEL 7 V3R5
- Updated for RHEL 8 V1R4

Other Changes

- Re-saved all CKL templates with STIG Viewer 2.15. STIG Viewer 2.15 or greater will be required to view completed CKLs.
- Answer file schema failures now have detail logged to console and Evaluate-STIG.log.
- Windows Server (V-205624 (2019 DC), V-224848 (2016 DC), V-226259 (2012 R2 DC)) updated to verify any account with an expiration set is set to expire within 72 hours of its creation date.
- V-205646 (2019 DC), V-224992 (2016 DC), V-226265 (2012 R2 DC) updated to verify all certificates are from an approved CA per https://crl.gds.disa.mil/
- Windows 10 V-220705 updated to ensure Appx, Exe, and Msi rules are enabled before setting Status to Not A Finding.
- Bug fixes

1.2107.2

What's New

Other Changes

- Adjusted Answer File validation process. Will now flag and exclude .xml files that do not validate against the answer file schema.
- Bug fixes.

1.2107.1

What's New

- Added support for RHEL 8 STIG

Other Changes

- Added validation code to -*AFPath* and -*OutputPath* parameters to ensure they point to a directory.

- Updated output CKL file naming convention. Now uses STIG ShortName and appends timestamp:

    - Most CKLs: **[HOSTNAME]_[STIGShortName]_[STIGVER]_[yyyyMMdd]-[HHmmss].ckl**
    - WebDB CKLs: **[HOSTNAME]_[STIGShortName]_[(Site)]_[STIGVER]_[yyyyMMdd]-[HHmmss].ckl**

    Examples:
    - CA1294NB05613_DotNET4_V2R1_20210812-072419.ckl
    - CA1294NB05613_IISSite_(Default Web Site)_V2R3_20210812-143842.ckl

- Previous checklist selection for administrator comments no longer based on partial file name match. Previous checklist will now be selected when all of the below attributes match the CKL being currently generated. If multiple previous CKLs meet this criteria, then the most recently modified one is used.

    - HOST_NAME
    - WEB_OR_DATABASE
    - WEB_DB_SITE
    - WEB_DB_INSTANCE

- Answer Files will now accept STIG **ShortName** or **Name** in the <*STIGComments Name*> element. Use -*ListSupportedProducts* to display valid **ShortName** and **Name** for each supported STIG.

- Bug fixes.

1.2107.0

What's New

IMPORTANT: Answer File format has changed to allow for different Status/Comment based on [ValidationCode] output. Refer to documentation for more. A separate script, Maintain-AnswerFiles.ps1, can be used to convert your answer files to the new schema. This script is available at

- New options added:
  - **-AFPath** : To specify path to answer files. If not selected, will default to 'AnswerFiles' folder in Evaluate-STIG path.
  - **-ListSupportedProducts** : List products supported by Evaluate-STIG.
- Overhauled answer file format and processing. Review documentation for more.

Other Changes

- Updated for Adobe Acrobat Reader DC Continuous Track V2R1.
- Updated for Adobe Acrobat Professional DC Continuous Track V2R1.
- Updated for Google Chrome Current Windows V2R4.
- Updated for Microsoft Edge V1R2.
- Updated for Microsoft IIS 8.5 Site V2R3.
- Updated for Microsoft IIS 10.0 Server V2R3.
- Updated for Microsoft IIS 10.0 Site V2R3.
- Updated for Microsoft Office 365 ProPlus V2R3.
- Updated for Microsoft Office System 2016 V2R1.
- Updated for Microsoft SQL Server 2014 Instance V2R1.
- Updated for Microsoft SQL Server 2016 Instance V2R3.
- Updated for Mozilla FireFox V5R2.
- Updated for RHEL 7 V3R4.
- Updated for Ubuntu 18.04 V2R4.
- Removed "Enabled" attribute from STIGList.xml. Use -ExcludeSTIG to exclude STIG(s) from a scan.
- Bug fixes.

1.2104.2

What's New

Other Changes

- Remote scans will now attempt a WinRM connection over HTTPS first and fallback to HTTP if secure connection fails.
- Added support for V-218822 (IIS 10 Server) and V-214437 (IIS 8.5 Server).
- Bug fixes.

1.2104.1

What's New

- New options added:
  - **-GenerateOQE** : Currently Windows only. Save Group Policy report, AppLocker Policy report, and Security Policy export to output path as objective quality evidence (OQE). Previously, GPO and AppLocker reports were created by default. Now, they are optional.

Other Changes

- Bug fixes.

1.2104.0

What's New

- New options added:
  - **-SelectSTIG** : To selectively specify which STIG(s) to scan. Use Tab or CTRL+SPACE to properly select a STIG by its short name. For multiple STIGs, separate with commas. Cannot be specified with -*ExcludeSTIG*.
  - **-ExcludeSTIG** : To selectively specify which STIG(s) to exclude from the scan. Use Tab or CTRL+SPACE to properly exclude a STIG by its short name. For multiple STIGs, separate with commas. Cannot be specified with -*SelectSTIG*.
- Added support for Microsoft Active Directory Forest STIG
- Added support for Microsoft Active Directory Domain STIG
- Added support for Microsoft Edge STIG
- Added support for Microsoft Office 365 ProPlus STIG
- Added support for Microsoft Access 2013 STIG
- Added support for Microsoft Excel 2013 STIG
- Added support for Microsoft Groove 2013 STIG
- Added support for Microsoft InfoPath 2013 STIG
- Added support for Microsoft Lync 2013 STIG
- Added support for Microsoft Office System 2013 STIG
- Added support for Microsoft OneNote 2013 STIG
- Added support for Microsoft Outlook 2013 STIG
- Added support for Microsoft PowerPoint 2013 STIG
- Added support for Microsoft Project 2013 STIG
- Added support for Microsoft Publisher 2013 STIG
- Added support for Microsoft Visio 2013 STIG
- Added support for Microsoft Word 2013 STIG

Other Changes

- Updated for Google Chrome Current Windows STIG V2R3.
- Updated for Microsoft IIS 8.5 Server and Site STIG V2R2.
- Updated for Microsoft IIS 10.0 Server and Site STIG V2R2.
- Updated for Windows 10 V2R2
- Updated for RHEL/CentOS 7 STIG V3R3.
- Updated for Ubuntu 18.04 STIG V2R3.
- Updated to record version of Evaluate-STIG used in Finding Details and canned Comments (issue #154).
- Improved logging of Answer File activity.
- Various bug fixes.

1.2101.1

Other Changes

- Changed Evaluate-STIG versioning. *Those using configuration management tools to deploy, note that this also changes the Version value in the registry tattoo so please update your deployments accordingly.*
  - Format is **[Major].[YYMM].[Revision]**
  - **YYMM** will be the year and month of the STIG quarter that Evaluate-STIG supports.
  - **Revision** will be incremented between STIG quarters as necessary for bug fixes and STIGs released out of cycle with DISA's quarterly schedule (e.g. Windows OS).
- Updated method for obtaining network adapter info (IP/MAC) on Windows.
- Fixed issue #114. Updated to check for SqlServer and WebAdministration modules if SQL or IIS STIGs are required. If the modules are not available, log a warning but continue processing.
- Fixed issue #120. Updated Windows Server OS scan modules to correct issue with LockoutDuration evaluation.
- Fixed issue #121. Updated Windows OS scan modules to correct issues with SeDenyRemoteInteractiveLogonRight user right evaluation.
- Fixed issues #122, #127, and #144. Updated Mozilla Firefox module to address several bugs.
- Fixed issue #125. Corrected problem in Windows 10 module that was creating a false positive.
- Fixed issue #126. Corrected problem in Windows 10 module that was creating a false positive on workgroup systems.
- Fixed issue #131. Updated Java JRE module. Reworked to dynamically get location of deployment.properties file from deployment.config. Deployment.config now selected in the following order 1) **<Windows Directory>\Sun\Java\Deployment**, 2) **<64-bit JRE Install Directory>\lib**, 3) **<32-bit JRE Install Directory>\lib**
- Fixed issue #132. Path updated for remote scanning.
- Fixed issue #142. Updated all IIS modules for correct camelCase of IIS elements to help prevent false positives in some configurations.
- Fixed issue #147. Updated to check ScanType and not DomainRole.

02-04-2021

IMPORTANT: Linux support requires PowerShell 7.1 be installed on Linux systems
https://docs.microsoft.com/en-us/powershell/scripting/install/installing-powershell-core-on-linux

What's New

- Added support for Adobe Acrobat Professional DC Continuous
- Added support for RHEL/CentOS 7
- Added support for Mozilla FireFox on Linux systems
- New options added:
  - **-ComputerName** : To scan a remote computer. This replaced -*RemoteComputer* option.
    - **-SmartCardCredential** : To pass a smart card credential to -*ComputerName*. Windows only.
    - **-UPCredential** : To pass a username/password credential to -*ComputerName* Windows only.
  - **-ComputerList** : To scan a batch of remote computers. Windows only.

Other Changes

- Updated for Oracle Java JRE8 STIG V2R1
- Updated for Canonical Ubuntu 18.04 STIG V2R2
- Updated for Microsoft .NET Framework 4.0 STIG V2R1
- Updated for Mozilla Firefox STIG V5R1
- Updated for Google Chrome Current Windows STIG V2R2
- Fixed issue #67 - Windows 10 V-220705 (AppLocker)
- Fixed issue #70 - Convert all uses of hexadecimal values to decimal values in all Windows Server modules
- Fixed issue #71 - Remove Confirm-SecureBootUEFI output from the console when unsupported in Windows Server modules
- Fixed issue #72 - Fix integer based Security Policy checks where values are evaluate as strings in Windows Server Modules
- Fixed issue #73 - Windows 10 V-220708 - Unformatted Disks and Empty USB Card Readers False Positive
- Fixed issue #74 - Add "BUILTIN\Remote Desktop Users" to SeRemoteInteractiveLogonright in Windows Server modules
- Fixed issue #80 - Server 2012 Member Server (V-225532)
- Fixed issue #81 - -Update option prompting for ESPath
- Fixed issue #82 - Server 2012 Modules: Typo of "Service" needs to be changed to "Service"
- Fixed issue #83 - Windows Server Modules - Convert checks to use newer Confirm-DefaultACL logic
- Fixed issue #84 - Windows Server Modules (2012 & 2016) - Edit Finding Details for clarity regarding PowerShell 7 limitations on some checks
- Fixed issue #85 - Windows Server Modules - Edit file system permission ACL checks to use Confirm-DefaultACL
- Fixed issue #86 - Windows Server Modules - Edit User Rights checks to allow for less than the specified accounts
- Fixed issue #87 - Windows 10 V-220972 - Finding Details Lists Incorrect URA Setting

- Fixed issue #88 - Firefox - Update checks to allow for no space between setting name and value
- Fixed issue #89 - Firefox V-102883 - Enclose setting value in quotes
- Fixed issue #90 - IIS Modules not Working in PS 7. Updated all checks to call PowerShell.exe if PowerShell session is 7.x.
- Fixed issue #91 - SQL Server - Exclude SQL Server Express 2014. Updated SQL Server detection to exclude SQL Server Express 2014. SQL Server Express 2016 and greater should have CKLs produced per DISA.
- Fixed issue #92 - Summary Report Displaying Unexpected Characters.
- Fixed issue #95 - Anti-Virus Listed as Open. Adjusted Windows Server modules to better detect antivirus products and status.
- Fixed issue #96 - Windows Server 2016 V-224898 and V-224899. Updated check to determine if VM before determining Status. If VM, Finding Details will include additional documentation.
- Fixed issue #97 - Windows Server 2012 DC V-226105 and V-226106. Updated check to determine if VM before determining Status. If VM, Finding Details will include additional documentation.
- Fixed issue #98 - Windows Server 2012 MS V-225290 and V-225291. Updated check to determine if VM before determining Status. If VM, Finding Details will include additional documentation.
- Fixed issue #99 - Windows Server 2019 V-205840 and V-205841. Updated check to determine if VM before determining Status. If VM, Finding Details will include additional documentation.
- Fixed issue #100 - Windows Server 2012 DC V-226263 - Should be NA for Classified Systems.
- Fixed issue #101 - Windows Server 2012 MS V-225443 - Should be NA for Classified Systems.
- Fixed issue #108 - Windows Server 2016 V-224829 - Missing "+" for adding to Finding Details.
- Fixed issue #109 - Windows Server 2012 MS V-225444 - Returning incorrect ACL.
- Fixed issue #110 - Windows Server 2012 MS V-225445 - Returning incorrect ACL.
- Fixed issue #111 - Windows Server 2012 MS V-225447 - Returning incorrect ACL.
- Fixed issue #112 - Windows Server 2012 DC V-226268 - Returning incorrect ACL.
- Fixed issue #113 - Windows Server 2012 DC V-226269 - Returning incorrect ACL.
- Fixed issue #117 - Windows Server 2016 V-224835 - HKLM:\SOFTWARE Permissions.
- Fixed issue #118 - Windows Server 2019 V-205737 - HKLM:\SOFTWARE Permissions.
- Removed *-RemoteComputer* option. This has been replaced by *-ComputerName*.
- Removed *-RunSYSTEM* option.
- Updated logic for detecting user profile to scan. Profiles that are domain accounts and where the last group policy update is less than 15 days ago will be preferred in selection.
- Updated user registry hive import code for better memory management.
- Updated IIS 8.5 Server check for V-214409 to better detect compliance.
- Updated IIS 10.0 Server check for V-218794 to better detect compliance.
- Updated SummaryReport.xml to include CKL timestamps.

12-10-2020

What's New

- Added support for Ubuntu 18.04 (requires PowerShell 7.1 be installed on Ubuntu systems) https://docs.microsoft.com/en-us/powershell/scripting/install/installing-powershell-core-on-linux

Other Changes

- Updated for Microsoft OneDrive STIG V2R1.
- Updated for Windows 10 STIG V2R1.
- Updated for Windows Defender Antivirus STIG V2R1.
- Updated for Windows Server 2012 R2 DC V3R1.
- Updated for Windows Server 2012 R2 MS V3R1.
- Updated for Windows Server 2016 V2R1.
- Updated for Windows Server 2019 V2R1.
- Updated to better handle ACLs where Windows splits a single 'This key and subkeys' rule into two rules - one for 'This key only' and another for 'Subkeys only'.
- Added functionality to verify 'WebAdministration' and/or 'SqlServer' module is available to PowerShell if required before proceeding.
- Fixed issue #48 - IIS 8.5 Site (V-214478) - If only ports 80 or 443 are used, status should be marked as Not A Finding
- Fixed issue #49 - IIS 10.0 Site (V-218766) - If only ports 80 or 443 are used, status should be marked as Not A Finding
- Fixed issue #54 - SQL 2016 Detection Code in STIGList.xml
- Fixed issue #58 - Remove Scan-WindowsServer2012R2_MS_and_DC_Checks Module
- Fixed issue #66 - Windows 10 V-220715 (V-63367): Non-Compliant Accounts Enabled Field

11-25-2020

IMPORTANT: STIG Viewer 2.10 or greater now required for opening output checklists

IMPORTANT: HKLM:\SOFTWARE\NSWC Crane\Application\Evaluate-STIG_Version registry deprecated. Replaced with -ApplyTattoo option. If you are deploying with a configuration management tool, you may need to update the deployment accordingly.

What's New

- New option *-ApplyTattoo* added to write optional tattoo info to asset:
  - Windows location: HKLM:\SOFTWARE\Evaluate-STIG
- New option *-Update* added to download updated Evaluate-STIG code from SPORK. Excludes AnswerFiles content.
- All scripts now digitally signed with a DoD issued code signing certificate. Recommend the included .cer file be imported to Trusted Publishers store(preferably for the machine) in order for PowerShell to properly trust.
- Added Prerequisite folder with scripts to assist in verifying prerequisites to Evaluate-STIG are met:
  - **Import-Certificates.bat**: For importing the certificates to trust the digital signature. Useful if PowerShell execution policy is RemoteSigned or AllSigned.

- - **Test-Prerequisites.bat**: For verifying that the digital signature certificate is in the proper certificate store and that current PowerShell execution policy is supported.
- Added initial support for Microsoft SQL Server Database 2014 STIG.
- Added initial support for Microsoft SQL Server Instance 2014 STIG.
- Added initial support for Microsoft SQL Server Database 2016 STIG. Will be used for SQL Server 2016 and greater.
- Added initial support for Microsoft SQL Server Instance 2016 STIG. Will be used for SQL Server 2016 and greater.

Removed

- Removed requirement for SCAP Compliance Checker tool. All checks are now performed as PowerShell code.
- Removed benchmarks for Windows Server OS STIGs.
- Removed code related to SCAP Compliance Checker command line (CSCC.exe) tool.
- Removed Config.ini

Other Changes

- Updated Evaluate-STIG documentation and Cost Avoidance Calculator.
- Updated for Google Chrome Current Windows STIG V2R1.
- Updated for Microsoft IIS 8.5 Server STIG V2R1.
- Updated for Microsoft IIS 8.5 Site STIG V2R1.
- Updated for Microsoft IIS 10.0 Server STIG V2R1.
- Updated for Microsoft IIS 10.0 Site STIG V2R1.
- Updated for Microsoft Outlook 2016 STIG V2R1.
- Updated Windows 10 scan module to include WMI fallback checks for Windows features.
- Updated STIGList.xml detection of Internet Explorer 11 to match SCAP detection. Evaluate-STIG will now check the existence and value of "svcVersion" under HKLM:\SOFTWARE\Microsoft\Internet Explorer.
- Updated Windows 10 V-63675 to be more flexible in detection when multiple white space exists.
- Updated Windows Server 2019 V-93147 to be more flexible in detection when multiple white space exists.
- Updated IIS 8.5 Server V-76771 to mark as NA if system is hosting SharePoint.
- Updated IIS 8.5 Site V-76865, V-76867, V-76869, and V-76871 to mark as NA if system is hosting SharePoint.
- Updated IIS 10.0 Site V-100263, V-100265, V-100267, V-100269, V-100271, V-100275, and V-100277 to mark as NA if system is hosting Sharepoint.
- Separated Windows Server 2012 R2 scan module into two separate modules - once for DC and the other for MS. Makes sustainment easier.
- Fixed issue #29 - Windows 10 (V-63359). Ignored accounts were not properly being ignored. Also updated check to ensure built-in SIDs identified in the STIG Check Text are disabled.
- Fixed issue #32 - IIS 8.5 Server (V-76771) & IIS 10.0 Server (V-100185). Per conversation with DISA, if ASP.NET is not enabled, this should be NA. "Administrators" role is compliant. "Administrator" user will never be valid since OS STIG has us rename the built-in "Administrator" account".
- Fixed issue #33 - IIS 10.0 Server (V-100189). Updated code to mark as Not A Finding if the Windows Server 2016 version is not 1709 or greater. HTST support start with version 1709.
- Fixed issue #34 - Windows 10 (V-63871, V-63873, V-63875, V-63877, V-63879). Updated to better support configurations where multiple domains or bastion forests exist.
- Fixed issue #35 - IIS 10.0 Server (V-100177). Corrected bad paths to TLS 1.0, TLS 1.1, SSL 2.0, and SSL 3.0 settings.
- Fixed issue #36 - Required Legal Notice: Windows Server 1012 (V-1089)/Windows Server 2016 (V-73647). Updated to be more flexible in detection when multiple white space exists.
- Fixed issue #37 - Windows Server 2016 (V-90357). Changed to get firmware type from Get-ComputerInfo.
- Fixed issue #39 - IIS 8.5 Server (V-76759). Corrected registry paths and value.
- Fixed issue #40 - IIS 8.5 Server and IIS 10.0 Server incorrectly flagging folders with ".java" in the name as a finding.
- Fixed issue #41 - Get-UserToEval updated to look in both the user's profile and the ProgramData folder for NTUser.pol.

08-12-2020

- Changed versioning format from YYYYMMDD to YYYY.MM.DD for easier reading. Those deploying Evaluate-STIG as a SCCM Application, update your detection method to check the registry value as a File Version.
- Updated for Google Chrome Current Windows V1R19 STIG.
- Updated for Microsoft Internet Explorer 11 V1R19 STIG.
- Updated for Microsoft IIS 8.5 Server V1R11 STIG.
- Updated for Microsoft IIS 8.5 Site V1R11 STIG.
- Updated for Microsoft IIS 10.0 Server V1R2 STIG.
- Updated for Microsoft IIS 10.0 Site V1R2 STIG.
- Updated for Microsoft Windows 10 V1R23 STIG.
- Updated for Microsoft Windows Server 2012 R2 DC V2R22 STIG.
- Updated for Microsoft Windows Server 2012 R2 MS V2R19 STIG.
- Updated for Microsoft Windows Server 2016 V1R12 STIG.
- Updated for Microsoft Windows Server 2019 V1R5 STIG.
- Updated for Mozilla Firefox V4R29 STIG.
- -RemoteComputer will now fallback to SMB/WMI connectivity if WinRM fails.
- Fixed issue 20 - Windows 10 V-63589. Check Text from STIG was missing a space in Issuer. Check Text states "O=U.S.Government" when actual Issuer is "O=U.S. Government"
- Fixed issue 22 - Windows 10 V-63349, V-63659, V-63699, V-63701, V-63709, V-63713, V-74417, V-74699, and V-82139. Checks now properly test for LTSB/LTSC editions of Windows 10.
- Fixed issue 23 - Windows 10 V-63577. Check now properly marks status as NA if not a domain member.
- Fixed issue 24 - Windows 10 V-63591. Check now properly marks status as NA if Windows 10 version is 1803 or greater.
- Fixed issue 25 - Windows 10 V-77083. Check will now start the WinRM service before running Get-ComputerInfo.
- Fixed issue 26 - Windows Server 2016 V-90355. Check will now start the WinRM service before running Get-ComputerInfo.
- Fixed issue 27 - Windows Server 2019 V-93229. Check will now start the WinRM service before running Get-ComputerInfo.

- Fixed issue 28 - Windows 10 V-63681. Check now records proper policy setting name and allows for values "DoD Notice and Consent Banner" and "US Department of Defense Warning Statement" as compliant values.
- Modified check code for V-76771 in the IIS 8.5 Server module to check if URL Authorization feature is enabled. Cannot enumerate rules without this. Also changed query to /system.web/authorization.
- Modified check code for V-100185 in the IIS 10.0 Server module to check if URL Authorization feature is enabled. Cannot enumerate rules without this.
- Added check code for V-1089 and V-26359 in the Windows Server 2012 R2 module.
- Added check code for V-73647 and V-73649 in the Windows Server 2016 module.
- Added check code for V-93147 and V-93149 in the Windows Server 2019 module.

06-16-2020

- Updated for Microsoft Windows 10 V1R22 STIG.
- Updated for Microsoft Windows Defender Antivirus V1R9 STIG.
- Updated for Microsoft Windows Server 2012 R2 DC V1R20 STIG.
- Updated for Microsoft Windows Server 2012 R2 MS V1R18 STIG.
- Updated for Microsoft Windows Server 2016 V1R11 STIG.
- Updated for Microsoft Windows Server 2019 V1R4 STIG.
- Updated Evaluate-STIG_Savings_Calculator_and_CKL_Metrics.xlsx with current CKL metrics.
- Fixed issue 17 - Microsoft PowerPoint 2016 v-70669. Check was only validating that the registry value name did not exist and not a proper value if exists.
- Fixed issue 18 - Microsoft Word 2016 V-71083. Check was only validating that the registry value name did not exist and not a proper value if exists. Also check was not validating secondary registry value.

05-12-2020

- Added new option "-RemoteComputer". This will copy the Evaluate-STIG content to the remote computer and execute the scan as the SYSTEM account. Requires WinRM and admin rights on remote system.
- Added support for McAFee VirusScan 8.8 Local Client STIG.
- Added support for Windows Server 2019 STIG. This requires SCC for now. Thanks to Leith Tussing for providing the scan module.
- Added support for Microsoft IIS 10.0 Server and Site STIGs. Thanks to Leith Tussing for providing the scan modules.
- Added Test-XmlValidation function to validate xml against xsd. Created .xsd files for STIGList.xml and answer files. Evaluate-STIG will pre-validate these files before running.
- Updated STIGList.xml by replacing **<Name>** element with "Name" attribute for each STIG. This was required to properly validate it against the defined schema.
- Updated STIGList.xml by replacing "True" with "true" in the Enabled attribute for each STIG. Lower case "true"/"false" is required to validate a boolean value in the .xsd standard.
- Updated for One Drive for Business 2016 V1R3
- Updated for Windows 10 V1R21
- Updated for IIS 8.5 Server V1R10
- Updated for IIS 8.5 Site V1R10
- Updated for Windows Defender Antivirus V1R8
- Fixed issue in IIS 8.5 Server V-76689 where Evaluate-STIG was incorrectly looking for a custom field named "User-Agent".
- Fixed issue in IIS 8.5 Server V-76765 where if PasswordLastSet is null, the check would fail.
- Fixed issue in IIS 8.5 Site V-76791 where the log format was not being documented in Finding Details.
- Fixed issue in IIS 8.5 Site V-76801 where file extensions were not being properly enumerated.
- Fixed issue in IIS 8.5 Site V-76849 where Evaluate-STIG would not find the certificate if it was not in the machine's Personal store.
- Fixed issue in IIS 8.5 Site V-76885, V-76887, and V-76889 where the check would fail if the virtual folder still existed but the physical path did not.
- Fixed issue in Mozilla Firefox V-15772 not parsing the configured setting correctly.
- Fixed issue in Windows Server 2016 V-73249 where status may not be properly set.
- Fixed issue in Windows Server 2016 V-73251 where status may not be properly set.
- Fixed issue in Windows Server 2016 V-73253 where status may not be properly set.
- Updated all scripts to support PowerShell 7. Note that PowerShell 6 is not supported.
- Updated to remove Evaluate-STIG modules from memory after completion.
- Updated .NET 4 V-7055 to look for the existence of any values instead of keys. This is how SCAP is checking it.
- Updated IIS 8.5 Server V-76755 to mark as Open if any one of the values is not configured.
- Updated IIS 8.5 Site V-76885, V-76887, and V-76889 to only check the web site being scanned instead of enumerating all web sites.
- Updated Windows 10 V-63353 to only evaluate drive types of "2" (removable disk) and "3" (local disk).
- Updated Windows 10 V-63373 by reverting back to icacls for permission check. This is how the STIG has us check and is consistent with similar checks in Server 2016 and Server 2019.
- Updated Windows 10 V-63399 to consider Windows Defender Firewall profile states if no 3rd-party firewall is registered.
- Updated Windows 10 V-63533, V-63537, and V-63541 to get event log path from Get-WinEvent and better detect location of the log files.
- Updated Windows 10 V-77083 to include the -NoProfile option to prevent the user profile from being loaded.
- Updated Windows 10 Exploit Protection checks (V-77091 through V-77269) to mark as NA if scantype is not "Unclassified".
- Updated Windows 10 V-94719 to properly check both registry values identified in the STIG.
- Updated Windows 10 V-99555 to mark as Open if PasswordLastSet is empty meaning it has never been set and to check all enabled local accounts that are in the Administrators group.
- Updated Windows Server 2016 V-73241 to consider Windows Defender Antivirus as a valid antivirus solution.
- Updated Windows Server 2016 V-90355 to include the -NoProfile option to prevent the user profile from being loaded.
- Updated to pass $UserSID variable to Get-CorporateComment. You can instruct Answer Files to validate registry values for the user profile being scanned by using "HKLM:\SOFTWARE\Evaluate-STIG_UserHive$($UserSID)" as the beginning of the registry path. "$UserSID" can also be included in the ApprovedComment and Evaluate-STIG will convert that to the SID of the profile that was scanned.
- Updated user registry import process to hopefully better perform on larger registry files.
- Updated Internet Explorer 11 detection code in STIGList.xml to look for the existence of iexplore.exe instead of the registry. Removing Internet Explorer 11 from Windows Server 2016 using DISM removes the file but the registry value remains causing Evaluate-STIG from falsely detecting IE11 STIG as required.
- Changed working directory from %windir%\temp to %windir%\temp\Evaluate-STIG. Note that the Evaluate-STIG log for troubleshooting will be found here now.

- Created workaround for issue where -DeleteExpiredTaskAfter is not removing the scheduled task on Windows Server 2016. The "Evaluate-STIG (As SYSTEM)" task will now be removed directly after script completion instead of 9 hours after task creation. Appears to be a bug in Server 2016 - https://github.com/dahall/TaskScheduler/issues/840
- Reformatted code to Stroustrup style and removed unnecessary whitespace.
- Renamed "Send-CheckResults" to "Send-CheckResult"
- Renamed "New-CKL" to "Write-CKL"
- Updated aliases to full command names ('Where-Object' instead of 'Where', etc.)
- Removed unused variables
- Replaced 'Get-WmiObject' with 'Get-CimInstance'

03-12-2020

IMPORTANT: Answer File format and usage has changed:

- ScanType no longer drives answer file decisions and has been replaced with [AnswerKey].
- [AnswerKey Name="abc123"] is a user defined name to allow Comments to be segregated to specific environments. Multiple [AnswerKey] elements can be specified for each Vuln ID to allow for single answer files to be used across multiple environments (e.g. RDT&E, COI, SDREN, etc.)
- A new switch, "-AnswerKey", can be used to instruct Evaluate-STIG which AnswerKey to use during its scan. If not specified, "DEFAULT" will be used.
- You can create an AnswerKey named "DEFAULT" within an answer file that Evaluate-STIG will fall back to in the event that there is not another matching AnswerKey for the Vuln ID. This is good for global Comments that may apply to all of your environments.
- In the event that an answer file has a Vuln ID where both a named answer key and a "DEFAULT" key exist, the named answer key will be the winner.
- [STIGComments Name] must match the [Name] element for the STIG in STIGList.xml. Evaluate-STIG will automatically use the answer file that matches the STIG name. Configuring the AnswerFile file name in STIGList.xml is no longer needed.

IMPORTANT: STIGList.xml changes:

- [STIG Enabled] added to globally enabled/disable a STIG. Set to TRUE/FALSE. STIGs are no longer disabled by Config.ini. Typically all STIGs should be Enabled="TRUE" and let Evaluate-STIG detect applicability. Only set to "FALSE" if you never want a checklist for the STIG.
- [AnswerFile] element removed. Answer file will be automatically selected if the [Name] in STIGList.xml matches [STIGComment Name] in an answer file.

Other Changes

- Updated for Windows 10 V1R20 (NOTE: Exploit Protection Mitigation "check text" were all updated in the STIG except for V-77245. But, the DOD_EP_V3.xml file included with the Windows 10 v1r20 STIG is configuring the setting similar to the updated checks. Evaluate-STIG assumes the text for V-77245 not being updated was an error on DISA and views the setting that DOD_EP_V3.xml configures as compliant.)
- Removed Crane's Answer Files from the archive. Only those with "DEFAULT" answer keys are included now. Crane's will be moved to a separate Sample Answer Files folder on the SPORK page.
- Removed Documentation folder from the archive. Documentation will be moved to a separate Documentation folder on the SPORK page.
- Removed SCCM folder from the archive. SCCM folder will be moved to a separate Deployment folder on the SPORK page.
- Removed SCCM section from Evaluate-STIG_Documentation.pdf. This is being rewritten and will be uploaded as a separate document in the future.
- Updated to support SCC 5.3 for SCAP scans.
- Changed -ScanType switch to only accept "Classified" or "Unclassified". Unclassified is the default if not specified.
- Added comment based help to Evaluate-STIG.ps1. To view, run "Get-Help .\Evaluate-STIG.ps1 -Full"
- Added -OutputPath switch to set where Evaluate-STIG saves results.
- Added function Get-GroupMembership. Get-LocalGroupMember has a bug where it can fail on domain systems not currently connected to the network.
- Changed default output path to be "C:\Users\Public\Documents\STIG_Compliance" to help better retain Comments when multiple admins are responsible for a system.
- Updated prerequisite check to only require SCC if an applicable STIG has the Benchmark element configured in STIGList.xml.
- Updated AppLocker policy export process to continue if the AppLocker module is not available. Some editions of Windows do not support configuring AppLocker with group policy and the PowerShell module is not available.
- Updated Evaluate-STIG documentation to identify SCC as a requirement for Windows Server OS only.
- Updated Evaluate-STIG documentation to identify STIG Viewer 2.9.1 or greater as a requirement for opening resultant checklist files.
- Updated Evaluate-STIG documentation to identify PowerShell 5.1 only. Evaluate-STIG will eventually be updated to support PowerShell 7.
- Updated Evaluate-STIG documentation to reflect core usage changes.
- Updated to include Standalone Workstation (0) and Standalone Server (2) as valid domain roles when writing to Evaluate-STIG.log.
- Updated Java JRE 8 V-66959 to better support exception.sites path formats.
- Updated Windows 10 V-63405. When Account Lockout Duration is configured to 0, SecEdit.exe reports it as "-1". Updated this check to replace "-1" with 0 so that the status will be reported correctly.
- Updated Windows 10 V-72765 and V-72767 to temporarily enable and start the "bthserv" service so that radio state can be determined. Service will be returned to previous state after the check is complete.
- Updated Windows 10 V-72769 to check HKCU\SOFTWARE\Microsoft\BluetoothAuthenticationAgent\AcceptIncomingRequests. A value of '0' means the option is not checked and would be a finding. Any other value or if the valuename does not exist means the option is checked and not a finding.
- Updated Windows 10 checks that used Get-LocalGroupMember to use Get-GroupMembership instead.
- Updated Server 2016 checks that used Get-LocalGroupMember to use Get-GroupMembership instead.
- Fixed issue where a space in the user profile being scanned would cause multiple failures.
- Fixed Windows 10 V-63581. Was checking for a value of '0' instead of '1'.
- Fixed Server 2016 V-73227 to mark as NA if Backup Operators has no members.
- Fixed Server 2016 V-73235 to mark as NA if ScanType is not "Unclassified".
- Fixed Server 2016 V-73237 to mark servers that are not domain systems (domain role 3, 4, or 5) as NA.
- Fixed Server 2016 V-73513 to mark servers that are not domain systems (domain role 3, 4, or 5) as NA.
- Fixed Server 2016 V-73515 to mark servers that are not domain Member Server (domain role 3) as NA.
- Removed Version from Config.ini. Version is coded in Evaluate-STIG.ps1
- Removed [STIGsToEval] section from Config.ini. STIGs are now enabled/disabled through STIGList.xml.
- Removed Divisions feature from Evaluate-STIG.
- Removed ResultsPath from Config.ini. Use -OutputPath switch to set output path.

- Consolidated [xxxxScanOptions] in Config.ini to [UnclassifiedScanOptions] and [ClassifiedScanOptions].

02-03-2020

- Updated for Google Chrome V1R18
- Updated for Windows Defender Antivirus V1R7
- Updated for Windows Server 2012 and 2012 R2 DC V2R19
- Updated benchmark for Windows Server 2012 and 2012 R2 MS V2R18
- Updated for Windows Server 2016 MS DC V1R10
- Updated for Mozilla Firefox V4R28
- Added check to ensure only one instance of Evaluate-STIG is running at a time.
- Added support for Mozilla Firefox V-15770. Will check pluginreg.dat of the user profile being processed.
- Added support for Mozilla Firefox V-15773. Will check pluginreg.dat of the user profile being processed.
- Added Scan-WindowsFirewall_Checks module which includes all Windows Firewall SCAP checks.
- Added Scan-Scan-WindowsDefenderAntivirus_Checks module which includes all Windows Defender Antivirus SCAP checks.
- Added limited support for Windows Firewall V-36440. If system is not a domain workstation, finding will be marked as NA per the STIG.
- Added sample answer file for Mozilla Firefox.
- Added function Confirm-DefaultAcl to compare current file system and registry ACLs to expected defaults.
- Added Rule ID to all Scan Module checks. This is for internal use to assist in future updates for STIG releases.
- Updated how manual check functions are detected which greatly reduces scan times.
- Updated documentation to include step-by-step instructions on creating and updating Evaluate-STIG as a Microsoft SCCM Application for a NetworkUnclass ScanType deployment.
- Updated STIGList.xml to perform registry checks for Office 2016 detection.
- Updated STIGList.xml to better target systems where Windows Defender Antivirus could be installed (Windows 10 or Server 2016 and greater).
- Updated all checks that use Get-RegistryResult function to display both hex and decimal values for DWORD items in Finding Details.
- Updated Scan-MozillaFirefox_Checks module to include Mozilla Firefox SCAP checks.
- Updated Scan-GoogleChrome_Checks module to include Google Chrome SCAP checks.
- Updated Scan-IE11_Checks module to include Internet Explorer 11 SCAP checks.
- Updated Scan-Windows10_Checks module to include Windows 10 SCAP checks.
- Updated Internet Explorer 11 V-46477 to mark as NA if classified ScanType.
- Updated Java JRE 8 V-66965 to list all Java 8 JRE's installed in Finding Details and mark as Open if more than one DisplayVersion is found.
- Updated Windows 10 V-63323 to mark as NA if system is not domain joined.
- Updated Windows 10 V-63337 to include additional BitLocker detail.
- Updated Windows 10 V-63367 to include account Enabled flag.
- Updated Windows 10 V-63373 to use Confirm-DefaultAcl. Validated default file permissions against non-modified/non-STIG'd instances of Windows 10 version 1709-1909.
- Updated Windows 10 V-63593 to use Confirm-DefaultAcl. Validated default registry permissions against non-modified/non-STIG'd instances of Windows 10 version 1709-1909. Note that HKLM:\SOFTWARE, OS seems to override GPO settings for CREATOR OWNER and once "SubKeys only" is set, it doesn't appear possible to revert back to "This key and subkeys". Because of this, either will be considered compliant for this finding.
- Updated Windows 10 V-63599 to mark as NA if system is not domain joined.
- Updated Windows Server 2012 V-3245 to allow for share type of "3221225472". These are system created shares for clustered disks.
- Updated Windows Server 2016 V-73267 to allow for share type of "3221225472". These are system created shares for clustered disks.
- Updated Scan-Access2016_Checks module to include setting sub-state in Finding Details where applicable.
- Updated Scan-Excel2016_Checks module to include setting sub-state in Finding Details where applicable.
- Updated Scan-OfficeSystem2016_Checks module to include setting sub-state in Finding Details where applicable.
- Updated Scan-OneDriveForBusiness2016_Checks module to include setting sub-state in Finding Details where applicable.
- Updated Scan-OneNote2016_Checks module to include setting sub-state in Finding Details where applicable.
- Updated Scan-Outlook2016_Checks module to include setting sub-state in Finding Details where applicable.
- Updated Scan-PowerPoint2016_Checks module to include setting sub-state in Finding Details where applicable.
- Updated Scan-Project2016_Checks module to include setting sub-state in Finding Details where applicable.
- Updated Scan-Publisher2016_Checks module to include setting sub-state in Finding Details where applicable.
- Updated Scan-Visio2016_Checks module to include setting sub-state in Finding Details where applicable.
- Updated Scan-Word2016_Checks module to include setting sub-state in Finding Details where applicable.
- Fixed IE 11 V-46815 was not checking for "FormSuggest PW Ask" registry value.
- Fixed spelling errors in answer files.
- Fixed issue when passing Answer File paths that contain spaces.
- Fixed issue where standard comments were being incorrectly preserved as administrator comments on SCAP-based items marked as Open.
- Fixed progress bar calculation issue.
- Fixed issue in Get-InstalledSoftware function where a corrupt registry value causes Get-ItemProperty failures.
- Removed benchmark content for Internet Explorer 11. All checks performed as code now.
- Removed benchmark content for Google Chrome. All checks performed as code now.
- Removed benchmark content for Mozilla Firefox. All checks performed as code now.
- Removed benchmark content for Windows 10. All checks performed as code now.
- Removed benchmark content for Windows Defender Antivirus. All checks performed as code now.
- Removed benchmark content for Windows Firewall. All checks performed as code now.

12-11-2019

- Fixed issue where STIG detection was not working correctly on some configurations.

12-09-2019

- PowerShell 5.1 or greater now required for Evaluate-STIG.
- Included a time/cost saving spreadsheet to calculate estimated annual savings.

- Begin to remove SCAP dependency from Evaluate-STIG. This will be an ongoing process as Evaluate-STIG moves to pure code-based checks.
- Added step to generate a list of the machine.config and *.exe.config files under %WINDIR%\Temp\Evaluate-STIG_Net4FileList.txt. All .NET 4 checks will reference this list for files to process which should reduce scan times.
- Added standard comment for all checks determined as Not A Finding or Not Applicable by either benchmark or scan module. Note that any comment configured in an Answer File will overwrite this standard comment.
- Changed $FindingResults variable to $FindingDetails in all scripts to match the field name in the checklist.
- Updated Scan-AdobeReaderDC_Checks module to include Adobe Reader DC SCAP checks and removed the benchmark content.
- Updated Scan-NETFramework4_Checks module to include .NET Framework 4 SCAP checks and removed the benchmark content.
- Updated .NET Framework 4 V-7067 to set to NA if only the operating system (COTS) default StrongName keys are configured.
- Updated Java JRE 8 V-66723 to mark as NA if classified ScanType.
- Updated Java JRE 8 V-66949 to mark as NA if classified ScanType.
- Updated Java JRE 8 V-66951 to mark as NA if classified ScanType.
- Updated Java JRE 8 V-66953 to mark as NA if classified ScanType.
- Updated Java JRE 8 V-66959 to mark as NA if classified ScanType.
- Updated Java JRE 8 V-66961 to mark as NA if classified ScanType.
- Updated IIS 8.5 Server V-76701 to use Get-InstalledSoftware function for software list.
- Updated IIS 8.5 Server V-76751 to use Get-InstalledSoftware function for software list.
- Updated Windows 10 V-63359 to get LAPS account name from registry and add it to ignore list.
- Updated Windows 10 V-63365 to detect common 3rd-party hypervisors. If any are found, they will be listed and the status marked as Not_Reviewed
- Updated Windows 10 V-63367 to view any local user account that is a member of local Administrators as a compliant account.
- Updated Windows 10 V-77083 to get BIOS mode from Get-ComputerInfo. SCCM client no longer required for this check.
- Updated Windows 10 V-77085 to get Secure Boot from Confirm-SecureBootUEFI. SCCM client no longer required for this check.
- Updated Windows Server 2016 V-73227 to use Get-ADGroupMember on domain controllers.
- Updated Windows Server 2016 V-90355 to get BIOS mode from Get-ComputerInfo. SCCM client no longer required for this check.
- Updated Windows Server 2016 V-90357 to get Secure Boot from Confirm-SecureBootUEFI. SCCM client no longer required for this check.
- Fixed issue where STIG items not supported by benchmark and scan module were not verifying ExpectedStatus in Answer File against status in checklist before applying Comment.
- Fixed .NET Framework 4 V-7070 looking for incorrect file data.
- Fixed .NET Framework 4 V-30926 looking for incorrect file data.
- Fixed .NET Framework 4 V-30935 not looking for both registry values on 64-bit systems.
- Fixed .NET Framework 4 V-30937 looking for incorrect file data.
- Fixed .NET Framework 4 V-30968 looking for incorrect file data.
- Fixed .NET Framework 4 V-30972 looking for incorrect file data.
- Fixed .NET Framework 4 V-31026 looking for incorrect file data.
- Fixed .NET Framework 4 V-32025 looking for incorrect file data.
- Fixed IIS 8.5 Site V-76789 looking for incorrect Custom Fields.
- Fixed IIS 8.5 Site V-76791 looking for incorrect Custom Fields.
- Fixed IIS 8.5 Site V-76885 not being set to NotAFinding when no script files are found.
- Removed .NET Framework 4 V-7069 custom check. Moved to a sample Answer File.
- Removed .NET Framework 4 V-30986 custom check. Moved to Answer File and will set to Open as no feasible process has been identified to meet the STIG requirement.

11-07-2019

- Updated for Google Chrome V1R13
- Updated for Microsoft .NET Framework 4 V1R9
- Updated for Microsoft IIS 8.5 Server V1R9
- Updated for Microsoft IIS 8.5 Site V1R9
- Updated for Microsoft Internet Explorer 11 V1R18
- Updated for Windows 10 V1R19
- Updated for Windows Server 2012 R2 DC V2R18
- Updated for Windows Server 2012 R2 MS V2R17
- Updated for Mozilla FireFox Windows V4R27
- Added -RunSYSTEM switch to run Evaluate-STIG as a Scheduled Task under the SYSTEM account. This is a workaround for some SPAWAR hosted systems not being able to properly run cscc.exe. Scheduled task will be automatically deleted 9 hours after creation.
- Replaced Config_STIGtoTemplateMap.xml with STIGList.xml STIGList.xml is now the master file for linking all of the components to each STIG. See documentation for details.
- Improved code to detect which STIGs are applicable to the system before running. This way, benchmarks for non-applicable STIGs will no longer be installed/scanned.
- Removed Generate-Ckl.psm1 as it is no longer required.
- Added [STIGsToEval] section in Config.ini to allow for selectively disabling STIGs that environments may not require (e.g. Windows Firewall).
- Code improvements and consolidation.
- STIGs are now processed from start to finish before moving to the next * benchmark (if available), then importing the SCAP results, then running check code for each Not Reviewed finding.
- Improved logging.
- Updated all functions to conform to PowerShell's Verb-Noun formatting.
- Benchmark name and release info now added to Finding Details for SCAP checked items.
- Added XML load and parse check step during initialization to identify any malformed XML content before continuing.

09-26-2019

- Changed benchmark installation process to hopefully get around SCC install failures

09-24-2019

- Added progress bars while script is running to provide user feedback when ran interactively.
- Changed several checks that relied on root\cimv2\SMS WMI calls. This class is only available with the Microsoft SCCM client is installed. This change should allow more checks to happen on systems without SCCM.
- Updated user detection to prefer profile that processed GPO, then profile last used, then as last resort use the .DEFAULT profile. .DEFAULT will most likely result in a lot of opens.
- Cleaned up some output to the console that was confusing.
- Updated documentation to include special notes about certain checks.
- Improved error handling.
- Fixed issue with answer files not detecting the vuln ID/scantype properly.

08-08-2019

- Updated for Adobe Acrobat Reader DC Continuous V1R6
- Updated for Google Chrome V1R16
- Updated for Mozilla FireFox V4R26
- Updated for .NET Framework 4 V1R8
- Updated for Internet Explorer 11 V1R17
- Updated for IIS 8.5 Server V1R8
- Updated for IIS 8.5 Site V1R8
- Updated for Windows 10 V1R18
- Updated for Windows Server 2012 R2 DC V2R17
- Updated for Windows Server 2012 R2 MS V2R16
- Updated for Windows Server 2016 V1R9
- Updated for Windows Defender Antivirus V1R6

08-05-2019

- Tool now requires SCAP Compliance Checker (SCC) 5.2.
- Changed how registry permissions are read. Get-Acl does not work when run as user on a properly configured HKLM:\SECURITY.
- Improved code for Windows 10 V-63393 to validate detected files are actually certificate files.
- Improved code for Windows 10 V-63357 to better detect system-created shares.
- Improved code for Windows 10 V-72765 to better detect NA status.
- Improved code for Windows Server 2012 V-3245 to better detect system-created shares.
- Improved code for Windows Server 2016 V-73267 to better detect system-created shares.
- Added checks for Windows 10:
    - V-72767, V-72769
- Added checks for Windows Server 2012:
    - V-42420, V-57637
- Added checks for Windows Server 2016:
    - V-73279
- Added checks for Mozilla Firefox
    - V-6318 (if configured in .cfg file)
- Added ability to inject standardized comments through answer files.
- Added answer files for:
    - Adobe Acrobat Reader DC Continuous Track
    - Google Chrome Current Windows
    - IIS 8.5 Server
    - Oracle JRE 8
    - Windows 10
    - Windows 2012 DC
    - Windows 2012 MS
    - Windows Server 2016
- Added manual check modules for Office 2016 products. DISA pulled the benchmarks and some of the old benchmarks crash SCC 5.2.
- Changed how users settings are evaluated as RSoP was showing inconsistencies in testing. User's hive will now be exported and imported to HKLM:\SOFTWARE\Evaluate-STIG_UserHive and evaluation performed there.

06-12-2019

- Re-created all checklist templates with STIG Viewer 2.9
- Added checks for Adobe Reader DC Continuos:
    - V-65673, V-65675, V-65679
- Added checks for Internet Explorer 11:
    - V-46477, V-46807, V-46815
- Added checks for Windows 10:
    - V-63345, V-63365, V-63839, V-63841, V-82137
- Added checks for Windows Server 2012/2012R2:
    - V-3481, V-14268, V-14269, V-14270, V-15727, V-16021, V-16048, V-36656, V-36657, V-36776, V-36777
- Added checks for Windows Server 2016:
    - V-73235, V-73727
- Added support for Mozilla FireFox Windows V4R25.
- Fixed issue with Windows 10 V-63359 incorrectly detecting disabled accounts as enabled.
- Updated for Microsoft Windows Server 2016 MS DC V1R8.
- Updated for Microsoft Windows Server 2012 and 2012 R2 DC V1R16.

- Updated for Microsoft Windows Server 2012 and 2012 R2 MS V1R15.
- Updated for Microsoft IIS 8.5 Server V1R7.
- Updated for Microsoft IIS 8.5 Site V1R7.
- Updated for Microsoft Internet Explorer V1R17.
- Updated for Microsoft .NET Framework 4 V1R7.
- Updated for Microsoft Windows 10 v1r17.
- Updated for Microsoft Windows Defender Antivirus V1R5.
- Benchmarks are now processed/scanned individually as a workaround for some scans terminating unexpectedly.
- Tool will force a group policy refresh before starting scan to ensure GPO is applying successfully.
- Tool can support user-based checks by parsing RSoP.
- Tool now identifies user with most recent NTUSER.pol file for user checks.
- Tool generates GPResult reports for detection of user checks and as A&A artifact.
- Tool generates AppLocker policy XML report for Windows 10/Server 2016 checks and as A&A artifact.
- SCC options are now set individually.
- Tool will now only preserve one set of previous scan history to prevent disk bloat.
- Files not created during the scan process will be moved to the Previous folder. E.g. .ckl files no longer applicable.
- Checklists are now worked in %WINDIR%\Temp until complete then moved to final destination.
- Script options moved to Config.ini to reduce modifications to PowerShell code.
- Increased timeouts for some processes.

03-21-2019

- Added exit codes...
  - [10009995] - A timeout occurred. Check %WINDIR%\Temp\Evaluate-STIG.log
  - [10009996] - Results destination path not found.
  - [10010000] - CSCC.exe encountered an error. Check %WINDIR%\Temp\Evaluate-STIG.log
  - [10010001] - An error occurred. Check %WINDIR%\Temp\Evaluate-STIG.log
- Fixed issue where some checks could cause a System.OutOfMemoryException error.

03-01-2019

- Updated exit codes for easier troubleshooting...
  - [10009990] - Unable to connect to domain (RDTE/SRDTE scans only).
  - [10009991] - Active Directory craneLabOU attribute does not contain valid data.
  - [10009992] - Powershell version is not supported.
  - [10009993] - SCAP Compliance Checker not installed.
  - [10009994] - SCAP Compliance Checker version not supported.

02-01-2019

- Fixed issue in detecting IIS version if InetMgr.exe does not exist. Changed to registry check instead.

01-30-2019

- Fixed issue with StandAloneUnclass switch
- Updated for Google Chrome STIG V1R15
- Updated for Microsoft IIS 8.5 Server STIG V1R6
- Updated for Microsoft IIS 8.5 Site STIG V1R6
- Updated for Microsoft Windows 10 V1R16
- Updated for Microsoft Windows 2012 and 2012 R2 DC STIG V2R15
- Updated for Microsoft Windows Server 2016 MS DC V1R7

01-09-2019

- Added checklist template for IIS 8.5 Server
- Added checklist template for IIS 8.5 Site
- Added Scan-IIS85_Server_ManualChecks.psm1 for IIS 8.5 Server STIG V1R5
- Added Scan-IIS85_Site_ManualChecks.psm1 for IIS 8.5 Site STIG V1R5
- Added ability to run scan for StandAlone, RDTE, or SRDTE. Run the script with the -ScanType parameter:

12-17-2018

- Added benchmark and checklist template for Google Chrome
- Added Scan-GoogleChrome_ManualChecks.psm1 for Google Chrome STIG V1R14
- Updated benchmark content for 2018_11 STIGs
- Updated Scan-Windows10_ManualChecks.psm1 for Windows 10 STIG V1R15

11-01-2018

- Fixed issue with CKL output files truncating part of the STIG version
- Updated benchmark content for 2018_10 STIGs
- Updated CKL templates recreated with STIG Viewer 2.8
- Updated Scan-NETFramework4_ManualChecks.psm1 for .NET Framework 4 STIG V1R6

- Updated Scan-WindowsServer2016_ManualChecks.psm1 for Windows Server 2016 STIG V1R6

09-10-2018

- Initial release

- Updated Scan-WindowsServer2016_ManualChecks.psm1 for Windows Server 2016 STIG V1R6

09-10-2018

- Initial release