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# **RED HAT ENTERPRISE LINUX (RHEL) 8 STIG REVISION HISTORY**

**Version 1, Release 9**

**26 January 2023**

**Developed by DISA for the DOD**

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<b>REVISION HISTORY</b>			
<b>Revision Number</b>	<b>Document Revised</b>	<b>Description of Change</b>	<b>Release Date</b>
V1R9	- Red Hat Enterprise Linux 8 STIG, V1R8	<ul style="list-style-type: none"> <li>- Rule numbers updated throughout due to changes in content management system.</li> <li>- RHEL-08-010130, RHEL-08-030650, RHEL-08-040310 - Replaced "egrep" with "grep -E" in check text.</li> <li>- RHEL-08-010359 - Updated check and fix text to include AIDE initialization steps.</li> <li>- RHEL-08-010360 - Removed lines from check text for checking if AIDE is installed, updated check and fix text to correct mail spool location, and changed IAM to ISSM in vulnerability discussion.</li> <li>- RHEL-08-010370, RHEL-08-010383 - Replaced "egrep" with "grep -E" in check text. Updated formatting in the fix text.</li> <li>- RHEL-08-010490 - Updated rule to reflect revised SSH key permissions guidance from vendor. Updated formatting in the fix text.</li> <li>- RHEL-08-010510 - Deleted rule as it is not applicable to RHEL 8.</li> <li>- RHEL-08-010740 - Replaced smart quotes in check text. Updated formatting in the fix text.</li> <li>- RHEL-08-020040 - Added manual locking for TMUX to check and fix text.</li> <li>- RHEL-08-020041 - Updated check and fix text TMUX configuration.</li> <li>- RHEL-08-040342 - Created new rule for SSH key exchange algorithms configuration.</li> </ul>	26 January 2023
V1R8	- Red Hat Enterprise Linux 8 STIG, V1R7	<ul style="list-style-type: none"> <li>- RHEL-08-010000 - Updated check text and Vulnerability Discussion.</li> <li>- RHEL-08-010040, RHEL-08-010201, RHEL-08-010510, RHEL-08-010520, RHEL-08-010521, RHEL-08-010522, RHEL-08-010550, RHEL-08-010830, RHEL-08-020330, RHEL-08-040161, RHEL-08-040340, RHEL-08-040341 - Updated check text to include sshd_config.d directories.</li> <li>- RHEL-08-010090, RHEL-08-010400, RHEL-08-020090 - Updated check text and added NA statement.</li> <li>- RHEL-08-010200, RHEL-08-010500 - Updated check text to include sshd_config.d</li> </ul>	27 October 2022

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Revision Number	Document Revised	Description of Change	Release Date
		<p>directories and updated check and fix ClientAliveCountMax value to 1.</p> <ul style="list-style-type: none"> <li>- RHEL-08-010360 - Fixed check text typo.</li> <li>RHEL-08-010372, RHEL-08-010373, RHEL-08-010374, RHEL-08-010375, RHEL-08-010376, RHEL-08-010383, RHEL-08-010384, RHEL-08-010430, RHEL-08-010671, RHEL-08-020110, RHEL-08-020120, RHEL-08-020130, RHEL-08-020140, RHEL-08-020150, RHEL-08-020160, RHEL-08-020170, RHEL-08-020230, RHEL-08-020280, RHEL-08-020300, RHEL-08-040209, RHEL-08-040210, RHEL-08-040220, RHEL-08-040230, RHEL-08-040239, RHEL-08-040240, RHEL-08-040249, RHEL-08-040250, RHEL-08-040259, RHEL-08-040260, RHEL-08-040261, RHEL-08-040262, RHEL-08-040270, RHEL-08-040279, RHEL-08-040280, RHEL-08-040281, RHEL-08-040282, RHEL-08-040283, RHEL-08-040284, RHEL-08-040285, RHEL-08-040286 - Updated fix text.</li> <li>- RHEL-08-020104, RHEL-08-040137 - Updated check and fix text.</li> <li>- RHEL-08-020190 - Fixed typo in the Rule Title.</li> <li>- RHEL-08-020221 - Fixed typo in check text.</li> <li>- RHEL-08-020340 - Updated CCI.</li> <li>- RHEL-08-020350 - Updated check text to include sshd_config.d directories and updated CCI.</li> <li>- RHEL-08-020352 - Updated check text command to eliminate false positives.</li> <li>- RHEL-08-040400 - Added requirement for SELinux user mapping.</li> </ul>	
V1R7	- Red Hat Enterprise Linux 8 STIG, V1R6	<ul style="list-style-type: none"> <li>- RHEL-08-010380, RHEL-08-010672, RHEL-08-040111 - Updated Check and Fix text.</li> <li>- RHEL-08-010372, RHEL-08-010373, RHEL-08-010374, RHEL-08-010375, RHEL-08-010376, RHEL-08-010379, RHEL-08-010383, RHEL-08-010384, RHEL-08-010430, RHEL-08-010671, RHEL-08-020104, RHEL-08-</li> </ul>	27 July 2022

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<b>Revision Number</b>	<b>Document Revised</b>	<b>Description of Change</b>	<b>Release Date</b>
		020110, RHEL-08-020120, RHEL-08-020130, RHEL-08-020140, RHEL-08-020150, RHEL-08-020160, RHEL-08-020170, RHEL-08-020230, RHEL-08-020280, RHEL-08-020300, RHEL-08-040209, RHEL-08-040210, RHEL-08-040220, RHEL-08-040230, RHEL-08-040239, RHEL-08-040240, RHEL-08-040249, RHEL-08-040250, RHEL-08-040259, RHEL-08-040260, RHEL-08-040261, RHEL-08-040262, RHEL-08-040270, RHEL-08-040279, RHEL-08-040280, RHEL-08-040281, RHEL-08-040282, RHEL-08-040283, RHEL-08-040284, RHEL-08-040285, RHEL-08-040286 - Updated Check text. - RHEL-08-020041 - Updated Check text command and corrected typos in Check and Fix. - RHEL-08-030650 - Updated Check text command. - RHEL-08-040170 - Updated Fix text.	
V1R6	- Red Hat Enterprise Linux 8 STIG, V1R5	- RHEL-08-040004, RHEL-08-030181 - Fixed typo in check text. - RHEL-08-020090 - Fixed typo in fix text. - RHEL-08-030710 - Fixed typo in the finding statement. - RHEL-08-010372, RHEL-08-010373, RHEL-08-010374, RHEL-08-010375, RHEL-08-010376, RHEL-08-010430, RHEL-08-010671, RHEL-08-040209, RHEL-08-040210, RHEL-08-040220, RHEL-08-040230, RHEL-08-040239, RHEL-08-040240, RHEL-08-040249, RHEL-08-040250, RHEL-08-040259, RHEL-08-040260, RHEL-08-040261, RHEL-08-040262, RHEL-08-040270, RHEL-08-040279, RHEL-08-040280, RHEL-08-040281, RHEL-08-040282, RHEL-08-040283, RHEL-08-040284, RHEL-08-040285, RHEL-08-040286 - Updated the discussion, check, and fix text.	27 April 2022
V1R5	- Red Hat Enterprise Linux 8	- RHEL-08-010030, RHEL-08-010400, RHEL-08-020140 - Updated check content.	27 January 2022

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Revision Number	Document Revised	Description of Change	Release Date
	STIG, V1R4	<ul style="list-style-type: none"> <li>- RHEL-08-010090, RHEL-08-040080, RHEL-08-040090 - Updated fix content.</li> <li>- RHEL-08-010121 - Added requirement to not allow accounts configured with blank or null passwords.</li> <li>- RHEL-08-010130, RHEL-08-020220 - Updated rule title, check, and fix content.</li> <li>- RHEL-08-010131 - Combined requirement with RHEL-08-010130.</li> <li>- RHEL-08-010159, RHEL-08-010160, RHEL-08-010287, RHEL-08-010294, RHEL-08-020041, RHEL-08-040020, RHEL-08-040137 - Updated check and fix content.</li> <li>- RHEL-08-010331 - Added requirement to set library directories to a mode of 755 or less permissive.</li> <li>- RHEL-08-010341, RHEL-08-010351 - Added requirement to have library directories group-owned by root.</li> <li>- RHEL-08-010359 - Added requirement for file integrity tool to be installed.</li> <li>- RHEL-08-010379 - Added requirement to specify the default "include" directory for the /etc/sudoers file.</li> <li>- RHEL-08-010383, RHEL-08-010384 - Updated the finding statement.</li> <li>- RHEL-08-010385 - Added requirement to explicitly prevent the bypass of password requirements for privilege escalation.</li> <li>- RHEL-08-010560 - Removed requirement. Requirement is satisfied by RHEL-08-030181.</li> <li>- RHEL-08-010572 - Updated check command output.</li> <li>- RHEL-08-020100 - Updated CCI, rule title, check, and fix content.</li> <li>- RHEL-08-020101 - Added requirement to ensure the password complexity module is enabled in the system-auth file.</li> <li>- RHEL-08-020102 - Added requirement for systems below version 8.4 to ensure the</li> </ul>	

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		<p>password complexity module in the system-auth file is configured for three retries or less.</p> <ul style="list-style-type: none"> <li>- RHEL-08-020103 - Added requirement for systems below version 8.4 to ensure the password complexity module in the password-auth file is configured for three retries or less.</li> <li>- RHEL-08-020104 - Added requirement for systems version 8.4 and above to ensure the password complexity module is configured for three retries or less.</li> <li>- RHEL-08-020221 - Added requirement to set password reuse minimum in the system-auth file.</li> <li>- RHEL-08-030050 - Removed requirement. CCI is satisfied by RHEL-08-030060.</li> <li>- RHEL-08-030200, RHEL-08-030360, RHEL-08-030361, RHEL-08-030420, RHEL-08-030480, RHEL-08-030490 - Grouped like syscalls into this requirement.</li> <li>- RHEL-08-030210, RHEL-08-030220, RHEL-08-030230, RHEL-08-030240, RHEL-08-030270 - Combined requirement with RHEL-08-030200.</li> <li>- RHEL-08-030362, RHEL-08-030363, RHEL-08-030364, RHEL-08-030365 - Combined requirement with RHEL-08-030361.</li> <li>- RHEL-08-030380 - Combined requirement with RHEL-08-030360.</li> <li>- RHEL-08-030430, RHEL-08-030440, RHEL-08-030450, RHEL-08-030460, RHEL-08-030470 - Combined requirement with RHEL-08-030420.</li> <li>- RHEL-08-030500, RHEL-08-030510, RHEL-08-030520 - Combined requirement with RHEL-08-030480.</li> <li>- RHEL-08-030530, RHEL-08-030540 - Combined requirement with RHEL-08-030490.</li> <li>- RHEL-08-030660 - Updated check command syntax.</li> <li>- RHEL-08-040320 - Updated to split out multi-user.target into a separate requirement.</li> </ul>	

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		- RHEL-08-040321 - Added requirement for multi-user.target.	
V1R4	- Red Hat Enterprise Linux 8 STIG, V1R3	<ul style="list-style-type: none"> <li>- RHEL-08-010020, RHEL-08-010690, RHEL-08-040025, RHEL-08-040026 - Updated check command syntax.</li> <li>- RHEL-08-010180 - Removed requirement. This is covered in RHEL-08-010700.</li> <li>- RHEL-08-010141, RHEL-08-010149 - Updated the discussion and check text with clarifying verbiage.</li> <li>- RHEL-08-010190, RHEL-08-010295, RHEL-08-010384 - Fixed typo in check text.</li> <li>- RHEL-08-010300, RHEL-08-010330 - Fixed typos throughout.</li> <li>- RHEL-08-010320 - Updated check text and finding statement.</li> <li>- RHEL-08-010372, RHEL-08-010373, RHEL-08-010374, RHEL-08-010375, RHEL-08-010376, RHEL-08-010430, RHEL-08-01067, RHEL-08-040209, RHEL-08-040210, RHEL-08-040220, RHEL-08-040230, RHEL-08-040239, RHEL-08-040240, RHEL-08-040249, RHEL-08-040250 - Updated the discussion, check, and fix text.</li> <li>- RHEL-08-010421, RHEL-08-010422, RHEL-08-010423, RHEL-08-030601, RHEL-08-030602, RHEL-08-040004 - Fixed typo in command syntax.</li> <li>- RHEL-08-020027, RHEL-08-020028 - Added requirement to modify SELinux context for a non-default faillock tally directory for versions 8.2 and newer.</li> <li>- RHEL-08-020050 - Updated the discussion text and added an N/A statement to the check text.</li> <li>- RHEL-08-020353, RHEL-08-040021, RHEL-08-040022, RHEL-08-040023, RHEL-08-040024 - Updated check and fix text.</li> <li>- RHEL-08-040132, RHEL-08-040133, RHEL-08-040134 - Fixed typo in check and fix text.</li> </ul>	27 October 2021

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<b>Revision Number</b>	<b>Document Revised</b>	<b>Description of Change</b>	<b>Release Date</b>
		<ul style="list-style-type: none"> <li>- RHEL-08-040259 - Separated IPv4 requirement from RHEL-08-040260.</li> <li>- RHEL-08-040260, RHEL-08-040261, RHEL-08-040262, RHEL-08-040270, RHEL-08-040279, RHEL-08-040280, RHEL-08-040281, RHEL-08-040282, RHEL-08-040283, RHEL-08-040284, RHEL-08-040285, RHEL-08-040286 - Updated the rule title, discussion, check, and fix text.</li> </ul>	
V1R3	- Red Hat Enterprise Linux 8 STIG, V1R2	<ul style="list-style-type: none"> <li>- RHEL-08-010000 - Updated the Vulnerability Discussion and Check content.</li> <li>- RHEL-08-010001 - Added ESS requirement.</li> <li>- RHEL-08-010049 - Added requirement to display a banner for system access via a graphical user logon.</li> <li>- RHEL-08-010050 - Updated requirement to move the database and gnome configuration portion to a unique STIG ID.</li> <li>- RHEL-08-010130 - Updated Rule Title and moved the system-auth requirements to a unique STIG ID.</li> <li>- RHEL-08-010131 - Added requirement to configure the password hashing rounds in the system-auth file.</li> <li>- RHEL-08-010140 - Updated the Rule Title, Check, and Fix to move the superuser requirement for UEFI to a unique STIG ID.</li> <li>- RHEL-08-010141 - Added a requirement to set a unique superuser account for UEFI systems.</li> <li>- RHEL-08-010149 - Added a requirement to set a unique superuser account for BIOS systems.</li> <li>- RHEL-08-010150 - Updated the requirement to move the superuser requirement for BIOS to a unique STIG ID.</li> <li>- RHEL-08-010151 - Updated requirement to move the emergency mode requirement to a unique STIG ID.</li> </ul>	23 July 2021



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		<ul style="list-style-type: none"> <li>- RHEL-08-010152 - Added a requirement to require authentication upon booting into emergency mode.</li> <li>- RHEL-08-010159 - Added a requirement to configure the pam_unix.so module in the system-auth file to use FIPS algorithms.</li> <li>- RHEL-08-010160 - Updated requirement to move the system-auth portion to a unique STIG ID.</li> <li>- RHEL-08-010200 - Updated requirement to move the ClientAliveInterval to a unique STIG ID.</li> <li>- RHEL-08-010201 - Added a requirement to configure a timeout interval for SSH.</li> <li>- RHEL-08-010287 - Added a requirement to configure SSH to use system-wide crypto policies.</li> <li>- RHEL-08-010290 - Updated requirement to move configuration of SSH to use system-wide crypto policies to a unique STIG ID and updated statement in Discussion.</li> <li>- RHEL-08-010291 - Updated the Vulnerability Discussion, Check, and Fix.</li> <li>- RHEL-08-010390 - Updated Check and Fix content by removing extraneous packages.</li> <li>- RHEL-08-010400 - Updated command and finding statement in the Check Content.</li> <li>- RHEL-08-010422 - Updated the requirement with a containers-based statement in the Vulnerability Discussion and added a mission requirement statement in the finding statement.</li> <li>- RHEL-08-010472 - Added requirement to install packages required by random number generator entropy gatherer service.</li> <li>- RHEL-08-010490, RHEL-08-030630 - Fixed typo in the Check content.</li> <li>- RHEL-08-010510 - Updated Check and Fix content.</li> <li>- RHEL-08-010521 - Updated requirement to move the GSSAPI portion to a unique STIG ID.</li> </ul>	

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		<ul style="list-style-type: none"> <li>- RHEL-08-010522 - Added a requirement to not allow GSSAPI authentication via SSH unless to fulfill mission requirements.</li> <li>- RHEL-08-010544 - Added requirement to have /var/tmp on a separate file system.</li> <li>- RHEL-08-010571 - Updated Check Content with an N/A statement.</li> <li>- RHEL-08-010572 - Added requirement for "nosuid" bit set on the /boot/efi directory.</li> <li>- RHEL-08-010700 - Updated Rule Title and Vulnerability Discussion.</li> <li>- RHEL-08-010710 - Updated Vulnerability Discussion.</li> <li>- RHEL-08-010731 - Added a requirement to set the permission mode of the local interactive users home directory files.</li> <li>- RHEL-08-010740 - Updated command in Check content.</li> <li>- RHEL-08-010741 - Added a requirement to set the group-owner of all local user home directory sub-directories and files.</li> <li>- RHEL-08-020011, RHEL-08-020013, RHEL-08-020015, RHEL-08-020017, RHEL-08-020019, RHEL-08-020021, RHEL-08-020023, RHEL-08-020330 - Updated the requirement to move the system-auth and password-auth portions to unique STIG IDs.</li> <li>- RHEL-08-020025, RHEL-08-020026 - Added a requirement to configure the use of the pam_faillock.so module in the system-auth file.</li> <li>- RHEL-08-020031 - Added a requirement to initiate a session lock for graphical user interfaces when the screensaver is activated.</li> <li>- RHEL-08-020032 - Added a requirement to disable the user list at logon for graphical user interfaces.</li> <li>- RHEL-08-020039 - Added a requirement to install the tmux package.</li> <li>- RHEL-08-020040 - Updated the requirement to move the install of the tmux package to a unique STIG ID.</li> </ul>	

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		<ul style="list-style-type: none"> <li>- RHEL-08-020080 - Updated the requirement to move the idle-delay and screensaver lock-enabled settings to a unique STIG ID.</li> <li>- RHEL-08-020081 - Added a requirement to prevent a user from overriding the session idle-delay setting.</li> <li>- RHEL-08-020082 - Added a requirement to prevent a user from overriding the screensaver lock-enabled setting.</li> <li>- RHEL-08-020331, RHEL-08-020332 - Added a requirement to not allow blank or null passwords in the system-auth file.</li> <li>- RHEL-08-030010 - Fixed typo in Check and Fix, and added a restart daemon statement to the Fix text.</li> <li>- RHEL-08-030050 - Updated configuration file entry in Fix Text.</li> <li>- RHEL-08-030180 - Updated the Rule Title and Check content.</li> <li>- RHEL-08-030181 - Added a requirement to start and enable the auditd.service.</li> <li>- RHEL-08-030320, RHEL-08-030603 - Fixed typo in Fix text.</li> <li>- RHEL-08-030602 - Fixed typo in the finding statement.</li> <li>- RHEL-08-030680 - Updated package name throughout requirement.</li> <li>- RHEL-08-030730 - Updated the requirement to move the space_left_action to a unique STIG ID.</li> <li>- RHEL-08-030731 - Added a requirement to notify the SA and ISSO when the audit storage reaches 75 percent capacity.</li> <li>- RHEL-08-040023 - Fixed typos throughout.</li> <li>- RHEL-08-040100 - Updated the requirement to move the enable firewall portion to a unique STIG ID.</li> <li>- RHEL-08-040101 - Added a requirement to enable the firewall.</li> <li>- RHEL-08-040135 - Updated the requirement to move the "enable fapolicy" and "configure a</li> </ul>	

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		<p>deny-all, permit-by-exception policy" portions to unique STIG IDs.</p> <ul style="list-style-type: none"> <li>- RHEL-08-040136 - Added requirement for the fapolicy module to be enabled.</li> <li>- RHEL-08-040137 - Added requirement for the fapolicy module to be configured with a deny-all, permit-by-exception policy.</li> <li>- RHEL-08-040139 - Added requirement to have the USBGuard installed.</li> <li>- RHEL-08-040140 - Updated requirement to move installation and enablement of USBGuard to unique STIG IDs.</li> <li>- RHEL-08-040141 - Added requirement to enable the USBGuard.</li> <li>- RHEL-08-040150 - Updated Check and Fix content by removing extraneous services.</li> <li>- RHEL-08-040159 - Added requirement to have SSH installed.</li> <li>- RHEL-08-040160 - Updated requirement to move the installation of SSH to a unique STIG ID.</li> <li>- RHEL-08-040162 - Removed requirement for the client configuration of SSH.</li> <li>- RHEL-08-040209 - Added requirement to prevent IPv4 ICMP redirect messages from being accepted.</li> <li>- RHEL-08-040210, RHEL-08-040240, RHEL-08-040250, RHEL-08-040280 - Updated requirement to move the IPv4 portion to a unique STIG ID.</li> <li>- RHEL-08-040220, RHEL-08-040230, RHEL-08-040270 - Updated the "not applicable" statement.</li> <li>- RHEL-08-040239 - Added requirement to prevent IPv4 source-routed packets from being forwarded.</li> <li>- RHEL-08-040249 - Added requirement to prevent IPv4 source-routed packets from being forwarded by default.</li> <li>- RHEL-08-040279 - Added requirement to ignore IPv4 ICMP redirect messages.</li> </ul>	

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		- RHEL-08-040286 - Added requirement to harden the BPF JIT.	
V1R2	- Red Hat Enterprise Linux 8 STIG, V1R1	<ul style="list-style-type: none"> <li>- RHEL-08-040060 - Removed this requirement as the version of openssh that ships with RHEL 8 does not support SSHv1.</li> <li>- RHEL-08-040003 - Merged with RHEL-08-040370.</li> <li>- RHEL-08-040370 - Updated CCI mapping.</li> <li>- RHEL-08-010830 - Updated Rule Title and Vulnerability Discussion.</li> <li>- RHEL-08-010384 - Added requirement to require re-authentication when using sudo.</li> <li>- RHEL-08-010383 - Added requirement to invoke the user's password when using sudo.</li> <li>- RHEL-08-010382 - Added requirement to restrict privilege elevation to authorized personnel.</li> <li>- RHEL-08-040320 - Updated Fix content.</li> <li>-RHEL-08-010162, RHEL-08-040171 - Updated Check content with a Not Applicable statement.</li> <li>- RHEL-08-010163 - Added requirement to remove older versions of the krb5-server package.</li> <li>- RHEL-08-020020, RHEL-08-020022, RHEL-08-020060 - Updated Vulnerability Discussion and Check content.</li> <li>- RHEL-08-010290, RHEL-08-010291, RHEL-08-010161 - Updated Check content.</li> <li>- RHEL-08-030180 - Updated Check and Fix content.</li> <li>- RHEL-08-020200 - Fixed typo in Check content.</li> </ul>	23 April 2021
V1R1	- N/A	- Initial Release.	20 November 2020