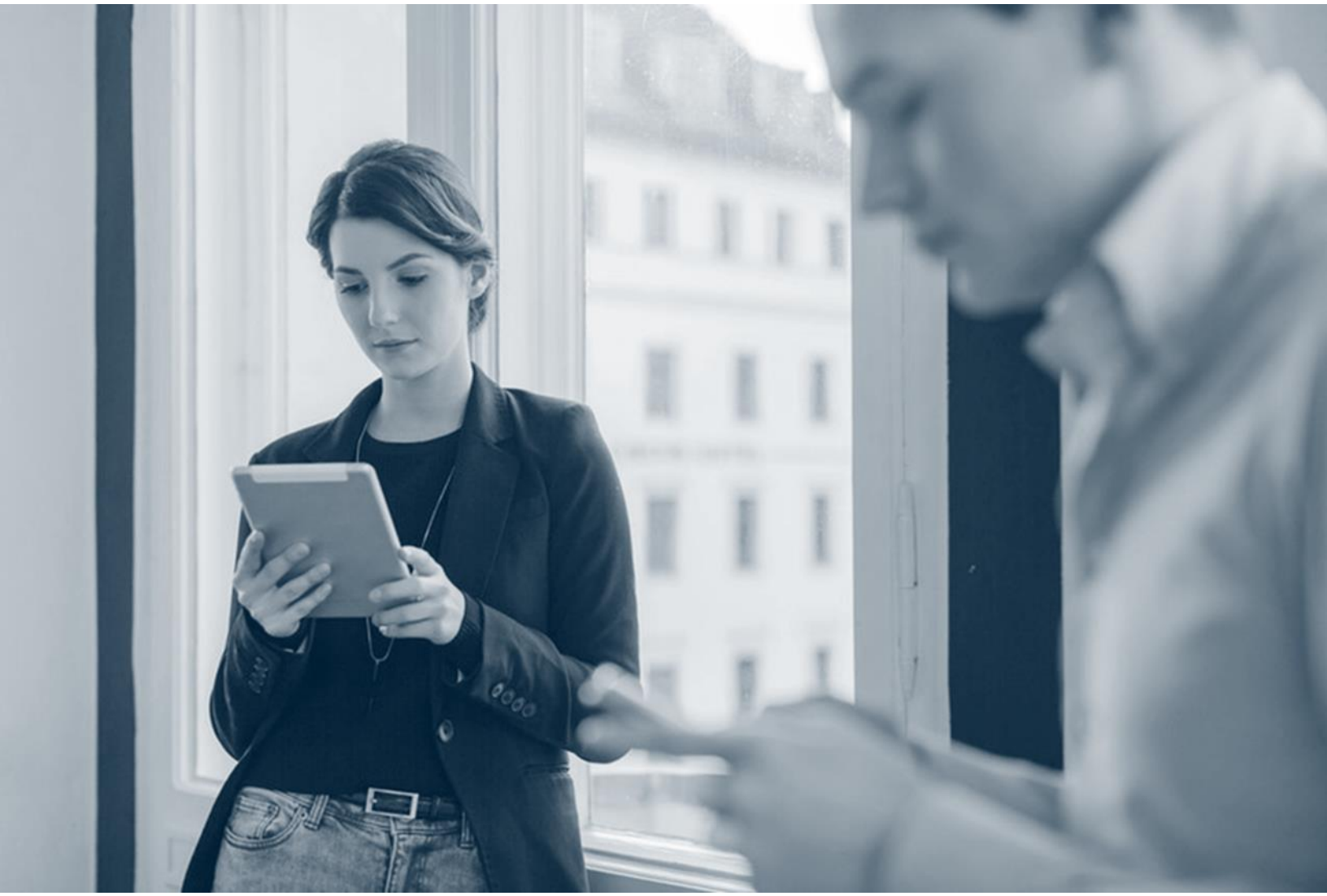




Commvault Compliance with CIS Level 1 Security Controls

Apache Tomcat 9 Benchmark v1.0.0

Friday, March 27, 2020



Commvault Compliance with the Level 1 Controls

The **Security Configuration Benchmark for Apache Tomcat 9.0** provides prescriptive guidance for establishing a secure configuration posture for Apache Tomcat versions 9.0 running on Linux. The benchmark includes several security controls with both Level 1 and Level 2 configuration profiles.

The security controls in Level 1 provide a clear security benefit. The controls in Level 2 extend the Level 1 and are intended for environments or use cases where security is paramount. The following table presents the compliance of the Commvault software with the Level 1 controls. We intend to extend our support for the Level 2 controls in the future versions of our software.

Level 1 Control		Support for the Control	Comments, if not supported
2	Limit Server Platform Information Leaks		
2.5	Disable client facing Stack Traces	No	This control is not applicable to the Commvault software. The error pages in our software are overridden using the web.xml file.
2.6	1.4.6 Turn off TRACE	Yes	
3	Protect the Shutdown Port		
3.1	Set a nondeterministic Shutdown command value	Yes	
4	Protect Tomcat Configurations		
4.1	Restrict access to \$CATALINA_HOME	Yes	
4.2	Restrict access to \$CATALINA_BASE	Yes	
4.3	Restrict access to Tomcat configuration directory	Yes	
4.4	Restrict access to Tomcat logs directory	Yes	
4.5	Restrict access to Tomcat temp directory	Yes	
4.6	Restrict access to Tomcat binaries directory	Yes	
4.7	Restrict access to Tomcat web	Yes	

Level 1 Control	Support for the Control	Comments, if not supported
	application directory	
4.8	Restrict access to Tomcat catalina.policy	Yes
4.9	Restrict access to Tomcat catalina.properties	Yes
4.10	Restrict access to Tomcat context.xml	Yes
4.11	Restrict access to Tomcat logging.properties	Yes
4.12	Restrict access to Tomcat server.xml	Yes
4.13	Restrict access to Tomcat tomcat-users.xml	Yes
4.14	Restrict access to Tomcat web.xml	Yes
6	Connector Security	
6.3	Ensure scheme is set accurately	Yes
6.4	Ensure secure is set to true only for SSL-enabled Connectors	Yes
6.5	Ensure SSL Protocol is set to TLS for Secure Connectors	Yes
7	Establish and Protect Logging Facilities	
7.2	Specify file handler in logging.properties files	No This control is not applicable to the Commvault software. Our software uses logback feature

Level 1 Control		Support for the Control	Comments, if not supported
			instead.
9	Application Deployment		
9.1	Starting Tomcat with Security Manager	No	We do not support this control currently as this requirement needs a custom Security Manager.
10	Miscellaneous Configuration Settings		
10.4	Force SSL when accessing the manager application	Yes	
10.6	Enable strict servlet Compliance	No	We do not support this control currently as this control can lead to significant regression issues or render Commvault applications unusable by some browsers.
10.7	Turn off session façade recycling	Yes	
10.12	Do not allow symbolic linking	Yes	
10.13	Do not run applications as privileged	Yes	
10.14	Do not allow cross context requests	Yes	

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