

COMMON SECURE SERVICES, PORTS, & PROTOCOLS



PCI DSS Requirement 1.1.6 v3.2.1: "Documentation of business justification and approval for use of all services, protocols, and ports allowed, including documentation of security features implemented for those protocols considered to the insecure."

PCI DSS Requirement 1.2.5 v4.0: "All services, protocols, and ports allowed are identified, approved, and have a defined business need."

This cheat sheet is designed to help you identify the common secure ports and protocols and the services that run on them. This is not an exhaustive list of every secure service, port, & protocol.

SECURE SERVICE	PROTOCOL	PORT
<p>HTTPS: This is the secure version of HTTP, used for secure web browsing and encrypted communication over the internet.</p>	TCP	443
<p>SSH: This protocol is used for secure remote access to servers and network devices.</p>	TCP	22
<p>FTPS: FTPS is an extension of FTP that adds support for SSL/TLS encryption.</p>	TCP	989 & 990
<p>SFTP: This protocol is used for secure file transfer over SSH.</p>	TCP	22
<p>SMTPS: SMTPS is a secure version of SMTP, used for secure email transmission.</p>	TCP	465
<p>IMAPS: IMAPS is a secure version of IMAP, used for encrypted email access.</p>	TCP	993

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SECURE SERVICE	PROTOCOL	PORT
<p>POP3S: POP3S is a secure version of POP3, used for encrypted email access.</p>	TCP	995
<p>LDAPS: This is a secure version of LDAP, used for encrypted directory services.</p>	TCP	636
<p>VPN: Virtual Private Network (VPN) protocols such as OpenVPN can be used to secure remote access to networks.</p>	TCP / UPD	1194

Be sure to download the Common Insecure Services, Protocols, and Ports. And remember, if your organization is using insecure services, you must ensure that you have security features implemented for them.