

Reference Card for Healthcare

Healthcare providers are incredibly dependent on real-time patient data, which means healthcare data is a goldmine for cyber attackers. Any data that becomes compromised could prove legitimately life-threatening. Sophos offers advanced and comprehensive protection that secures organizations from the top healthcare data security and infrastructure threats like ransomware, phishing, data loss, and more. Sophos solutions also help you meet the compliance requirements of stringent regulations such as HIPAA, PCI DSS, and other requirements.

CHALLENGE	SOPHOS PRODUCT	HOW IT HELPS
Loss of PHI	 Sophos UTM/Firewall  Sophos Endpoint Advanced  Sophos Endpoint on Central	Data Leakage Prevention (DLP) capabilities in Sophos products can detect sensitive data and prevent leaks of PHI details via email, uploads, and local copying.
	 Sophos Email Appliance  Sophos UTM/Firewall	SPX encryption dynamically encapsulates email content and attachments into a secure encrypted PDF to help ensure compliance.
	 Sophos Mobile	Delivers mobile data protection when integrated with SafeGuard Enterprise to enable access to encrypted healthcare data on mobile devices. The secure Sophos Container for email, documents, and content makes sure that protected PII and PHI stays separated from personal data and can be locked down or wiped in case of a lost or stolen device.
	 Sophos Intercept X  Sophos Intercept X for Server	Data loss prevention policies prevent misuse and distribution of predefined data sets. For more information visit HIPAA compliance .
Control Access to PHI	 Sophos UTM/Firewall	User awareness across all areas of our firewall governs all firewall policies and reporting, enabling next-gen control over applications, web surfing, bandwidth quotas, and other healthcare network resources by user/group.
	 SafeGuard Enterprise	Authenticates users for access to specific protected devices, files, and/or folders with the use of user- or group-specific keys. Supports multi-factor authentication, tokens, and smart cards for user authentication.
	 Sophos Central	Protects privileged and administrator accounts with advanced two-factor authentication. Keeps access lists and user privileges information up to date. Provides procedures to ensure that access rights are revoked if healthcare workers in your organization no longer meet the conditions to receive access (e.g., because they change position or leave the organization).

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	 Sophos Mobile	Sophos Secure Email and Sophos Secure Workspace in Sophos Mobile store content on mobile devices securely with AES-256 encryption. Access to the content in the apps can be restricted based on device health, compliance rules, time, Wi-Fi, or geolocation.
Secure Sharing of PHI Data	 SafeGuard Encryption	Encrypts information at rest and in transit on Mac, Windows, and mobile devices. SafeGuard manages BitLocker and FileVault full disk encryption, as well as always-on file encryption for information stored on hard disks, USB sticks, cloud storage, file shares, memory cards, and CDs/DVDs. All data encrypted with SafeGuard remains encrypted as files move across the network.
	 Sophos Email Appliance  Sophos UTM/Firewall	Sophos SPX encryption provides encryption in transit and at rest. SPX encryption is able to dynamically encapsulate email content and attachments into a secure encrypted PDF to ensure compliance.
	 Sophos UTM/Firewall	Allows for policy-based encryption for VPN tunnels, protecting PHI in transit.
	 Sophos Mobile Sophos Secure Workspace	Encrypts documents within a secure container on a mobile device managed with Sophos Mobile. Sophos Secure Workspace can dynamically encrypt content sent to cloud-based storage services and applications. It enforces device encryption and monitors compliance relative to encryption policy.
Continuous Availability of PHI	 Sophos XG Firewall	High availability with active-active load balancing or active-passive fail-over and WAN link balancing lets you easily double your performance when you need it.
Security Beyond Main Facility	 Sophos Firewall/UTM	Facilitates two-factor authentication for VPN connections, with granular RADIUS/TACACS integration. Sophos RED (Remote Ethernet Device) extends a secure network to a remote location easily by establishing a secure, dedicated VPN tunnel.
	 SafeGuard Encryption	Authenticates users for access to specific files/folders with the use of user- or group-specific keys for SafeGuard encryption.

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Secure Distributed Medical Devices	 Sophos XG Firewall	Prevents attackers from moving through your healthcare servers and applications by compromising mission critical medical devices on the network. Segments your network, so you can strengthen your network security, creating separate levels of trust on your network, making lateral movement difficult.
	 Sophos Mobile	Delivers Unified Endpoint Management (UEM) and security management for mobile devices, helping ensure sensitive data is safe, devices are protected, and users are secure. Sophos Mobile Security for Android provides leading antivirus, ransomware, and unwanted app protection for Android devices.
Wireless Security	 Sophos Wireless	Secures the growing number of mobile devices in healthcare environment with granular visibility into the health of your wireless networks. Identify potential threats to your healthcare network and prevent infiltration attempts via Wi-Fi. With Synchronized Security, monitor the health status of Sophos Central-managed endpoint or mobile devices and automatically restrict web access on non-trusted Wi-Fi networks.
Proactive Security	 Sophos Synchronized Security	Allows next-generation endpoint and network security to continuously share meaningful information about suspicious events across extended healthcare IT ecosystem; detects compromised / unauthorized endpoint devices; allows automated and near instantaneous isolation of this endpoint, preventing it from leaking confidential data to a C2 server; drastically improves incident response time.
Ransomware and Other Malware Attacks	 Sophos Intercept X	Integrates innovative technology like deep learning, anti-exploit, and anti-adversary technology into malicious traffic detection with real-time threat intelligence to help prevent, detect, and remediate threats with ease.
	 Sophos Intercept X for Server	
	 Sophos Email Appliance	Uses real-time threat intelligence to detect and block unwanted email at the gateway. Our anti-spam engine catches the rest, including the latest phishing attacks, malicious attachments, and snowshoe spam.
	 Sophos XG Firewall	Includes IPS, APT, antivirus, sandboxing with deep learning, and web protection to monitor and block malicious, anomalous, and exploitive traffic from inbound or outbound access. Sophos Sandstorm, our optional cloud-sandbox technology, inspects and blocks executables and documents containing executable content before the file is delivered to the user's device.

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	 Sophos Endpoint Protection	Anti-malware file scanning, Live Protection, pre-execution behavior analysis, malicious traffic detection, ransomware file protection, disk and boot record protection, and automated malware removal keep your end user devices secure against advanced malware.
	 Sophos Mobile	Delivers Unified Endpoint Management (UEM) and security management for mobile devices, helping ensure sensitive data is safe, devices are protected, and users are secure. Sophos Mobile Security for Android provides leading antivirus, ransomware, and unwanted app protection for Android devices.
Phishing Protection	 Sophos Email Appliance	Pre-Delivery: Email authentication uses a combination of authentication techniques (SPF, DKIM, DMARC) to ensure only legitimate emails from trusted sources enter your inbox.
	 Intercept X	Post-Delivery: If students/teachers click on a malicious link, rootcause analysis tells you which files, processes, and registry keys were hit by malware. Synchronized Security automatically isolates infected endpoints; and Sophos Clean cleans up malware.
User Education	 Phish Treat	Enables you to simulate realistic and challenging phishing attacks and send phish threat emails to employees to test their threat awareness levels and take remedial action if needed.

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