

# Protect your business against ransomware with Chrome OS

With the global shift to remote and hybrid work, ransomware crimes have skyrocketed. Ransomware encrypts data, making it inaccessible to users and posing costly threats to organizations across industries.



In 2020, ransomware attacks **increased 150%**<sup>1</sup>



The average cost of a ransomware attack is **over \$700,000**<sup>2</sup>



Globally, the cost of ransomware attacks is expected to exceed **\$20 billion in 2021**<sup>3</sup>

Chrome OS is a cloud-first platform that provides protection against ransomware by default. **In fact, there have been no reported ransomware attacks ever on any business, education, or consumer Chrome OS device.**

## Chrome OS has built-in and proactive security features to fight ransomware

**Data and files are automatically backed up to the cloud and recoverable:** Chrome OS is a cloud-first platform, which significantly limits the amount of data stored on the device that is susceptible to ransomware. All user data is backed up to the cloud. If ransomware bypasses Chrome OS security measures, your user data and files can be easily restored almost instantly.

**Executables are blocked:** Executable files, which can harbor ransomware, cannot run on Chrome OS. Chrome OS only runs curated apps from the Google Play store that have been scanned for malware.

**Read-only OS:** System files are kept in a separate partition to ensure the OS cannot be modified by apps or extensions and is thereby inaccessible to ransomware.

**Google Safe Browsing:** Google Safe Browsing is a proactive measure that warns users before attempting to navigate to dangerous sites or before downloading dangerous files.

**Automatic updates:** Chrome OS updates regularly and automatically in the background, providing continuous protection from threats.

**Verified boot:** If an attack does prevail, Verified boot confirms the OS has not been tampered with, and if it has, it reverts to a previous version of the OS.

<sup>1</sup> Group-IB, 2021; <sup>2</sup> Sophos, 2021; <sup>3</sup> Cybersecurity Ventures, 2020