Enabling Digital Transformation with Chrome Enterprise and Workspace ONE

Harness the speed, security, and simplicity of Chrome OS in the enterprise

AT A GLANCE

The combination of VMware Workspace ONE® and VMware Horizon® provides a consumer-simple experience to securely enable access to Chrome devices from a unified console.

KEY HIGHLIGHTS

• Workspace ONE, built on VMware Unified Endpoint Management (UEM) technology, enables IT to deploy apps and policies from a unified console alongside all other endpoints.

• Unified access to all apps including Chrome Apps and cloud, web, and virtual apps.

• Streamlined workflows and a customizable interface for easy access to applications.

• Enterprise-grade security with unique conditional access to apps and data based on device, network, identity, and more.

• Virtual Windows apps and desktops served cost-effectively from the data center or cloud.

A Digital Workspace to Empower Users on Chrome Devices

Consumerization in the enterprise has led to users expecting to have the choice of any device while having access to critical work apps and data. With their ease of use, quick startup time, and affordability, Chromebooks have seen increasing popularity in both the business and consumer markets. These benefits, combined with a consumer-simple digital workspace that streamlines access with single sign-on capabilities to all user work applications and data, make Chromebooks an ideal option for business productivity across many use cases. A digital workspace provides the framework to enable end users with access to any application—cloud, web, virtual, and native—without compromising security. VMware Workspace ONE and VMware Horizon provide a seamless experience to enable instant access to the apps that end users need to be successful on Chromebooks.

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"Providing more options to workers is key to the future of the digital workspace. With Chrome Enterprise and Workspace ONE, our customers can securely deploy and manage Chromebooks alongside all other endpoints from a single console, providing a frictionless employee experience regardless of the device. Through our partnership with Dell, the first Chrome Enterprise devices can now be managed by Workspace ONE right out of the box."

— SHANKAR IYER, SENIOR VICE PRESIDENT AND GENERAL MANAGER, END-USER COMPUTING, VMWARE

Manage Chrome devices alongside all form factors in a unified console

Workspace ONE is built on scalable, industry-leading VMware Unified Endpoint Management technology to manage and secure all enterprise devices from a single pane of glass. Chrome Enterprise can be managed alongside all other endpoints throughout the entire device lifecycle using the unified platform for streamlined deployment, remote troubleshooting, and reporting. Policies can be deployed to Chrome devices using smart groups for granular assignment based on device, operating system, user role, geography, department, and more. Workspace ONE supports multiple use cases and admins can deploy corporate devices and shared devices or configure Chrome devices to be used for kiosks or digital signage.
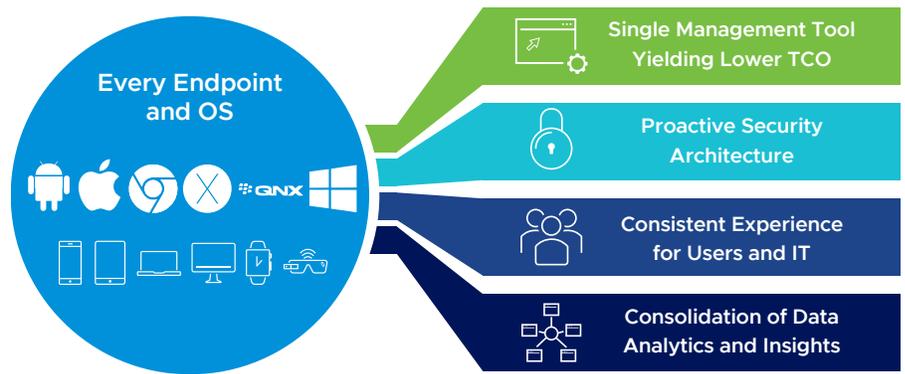

Figure 1: With UEM, simplify IT processes with one platform to manage and secure every operating system and form factor.

Secure Chrome devices throughout the device lifecycle

Chrome devices come with built-in features that keep corporate data protected from boot-up to shutdown. The multi-layered security ensures that if one layer is bypassed the others are still in effect to protect the device. Starting with device boot, the device checks if anything in the system has been tampered with and will repair itself to revert to a safe version. Chrome OS includes features such as sandboxing, automatic updates, and data encryption that keep work data isolated and secure.

Integration with Workspace ONE UEM further secures Chrome devices by delivering data loss prevention (DLP) policies and enabling remote actions. From the Workspace ONE UEM Console, admins can configure settings to prevent unauthorized users from logging into the device and from accessing apps. Conditional app access, which enforces authentication strength and restricts access by network scope or by other criteria set by the administrator, can be enabled. If a device is lost or stolen, the admin can remotely enterprise-wipe the device, which removes the corporate apps and data.

Full certificate lifecycle management

The Workspace ONE UEM Extension for Chrome OS enables the first-ever full-fledged certificate management solution for Chrome Enterprise. With the extension, administrators can provision unique user- and device-based certificates for Wi-Fi, VPN, web authentication, SSO, and more. Coupled with Workspace ONE UEM first-class enterprise integration, admins can automatically renew and revoke certificates before they expire. No user interaction is required to enjoy these benefits because the installation of the extension and certificates is silent.

Enable user productivity with any app and virtual desktop

Workspace ONE can be deployed to Chromebooks as an Android application on select devices or through the Chrome browser. From Workspace ONE, end users have access to a customizable launcher of work-critical applications. The launcher includes all cloud, web, native, and virtual applications and makes them accessible to the end user from one centralized location. End users authenticate into the catalog using their corporate credentials. Simple authentication plus the ability to integrate with identity providers (IdPs) for single sign-on (SSO) alleviates the difficulty of users having to remember multiple credentials and URLs. For additional security, administrators can require two-factor authentication to access specific, mission-critical applications.
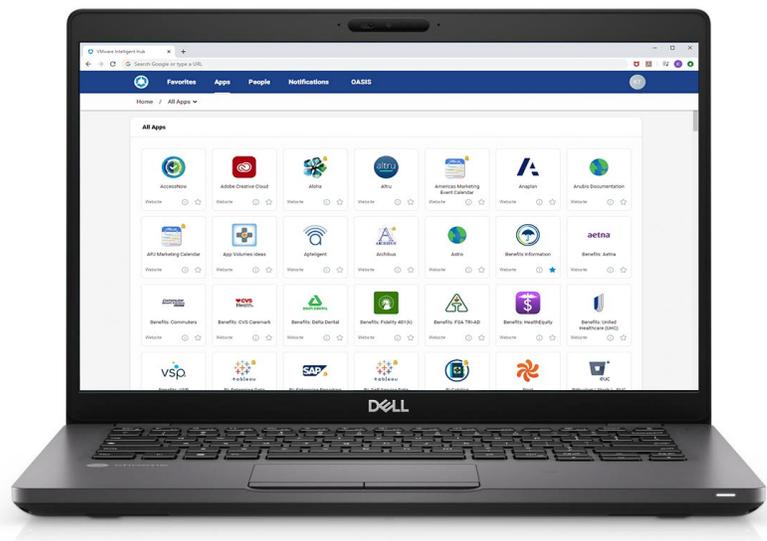

Figure 2: Workspace ONE delivers apps and virtual desktops to Chromebooks.

VMware Horizon enables Chromebook users to access virtual Windows desktops and hosted applications through on-premises, cloud-based, or hybrid deployment models to fit desired cost requirements. From the Workspace ONE launcher, an end user can select a virtual application or full Windows desktop and Horizon quickly delivers it to the user. VMware Blast Extreme display protocol is fully optimized for Chrome Enterprise and delivers the best remote user experience while reducing CPU and power consumption, even in low-bandwidth environments. The combination of Horizon with Chromebooks provides IT an efficient, secure, and cost-effective platform to deliver, manage, and monitor virtual desktops and hosted apps.