

Enabling ChromeOS for Education with VMware Workspace ONE

At a glance

VMware Workspace ONE® and VMware Horizon® provide a consumer-simple experience to deploy, manage and secure ChromeOS devices for students, faculty and IT.

Key benefits

- Ability to deploy apps and policies from a unified console alongside all other endpoints through the Workspace ONE integration with the Google Chrome Policy API.
- 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.
- Multi-layered security to protect classroom connections and keep user information safe.
- Virtual Windows apps and desktops served cost-effectively from the data center or cloud.

Unlock collaboration and learning with ChromeOS and Workspace ONE

Educational institutions face growing challenges when supporting the needs of students, faculty and staff. IT administrators must balance security, scalability and cost while ensuring efficient and secure user experiences across learning and collaboration. With their ease of use, quick startup time, and built-in security, Chromebooks are heavily adopted within education as devices of choice. Together with Workspace ONE, Chromebooks deliver users consumer-simple experiences with streamlined access to all apps and school resources, making them the ideal option across use cases including classroom instruction, remote virtual learning, computer labs, and more.

Manage Chrome devices alongside all form factors in a unified console

Workspace ONE is built on scalable, industry-leading VMware Unified Endpoint Management (UEM) technology to manage and secure all school devices from a single pane of glass. IT can manage Chrome devices alongside all other endpoints throughout the entire device lifecycle using the unified platform for streamlined deployment, remote troubleshooting and reporting. No more disparate, siloed tools are necessary. Admins can deploy policies using smart groups for granular assignment based on device, operating system, user role, classroom, and more. Workspace ONE supports multiple use cases, and admins can deploy Chromebooks as primary or shared devices with solutions such as managed guest sessions.

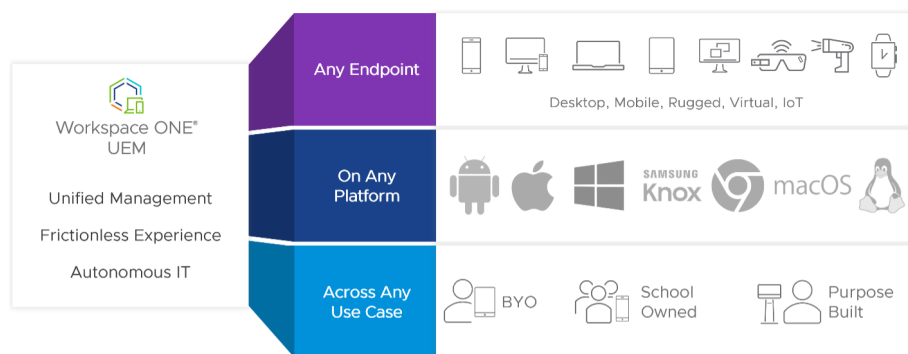


Figure 1: With UEM, simplify IT processes with one platform to manage and secure every operating system and form factor.

Flexible deployment options

Admins can deploy Chromebooks as primary or shared devices for students, faculty and staff. ChromeOS with Workspace ONE offers multiple shared device options:

- **Single-app kiosk mode** locks a device into a single app for public use.
- **Managed guest sessions** enable admins to allow configurable access to multiple apps and resources on shared devices.

Secure Chrome devices throughout the device lifecycle

Chrome devices come with built-in features that keep sensitive data protected from bootup to shutdown. The multilayered 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 repairs itself by reverting to a safe version. ChromeOS 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 policies and enabling remote actions. From the Workspace ONE UEM Console, admins can configure settings to prevent unauthorized users from logging in to the device and from accessing apps. Admins can also enable conditional app access, which enforces authentication strength and restricts access by network scope or other criteria. If a device is lost or stolen, the admin can remotely wipe the device to remove apps and data.

Get full certificate lifecycle management

The Workspace ONE UEM extension for ChromeOS enables a full-fledged certificate management solution for ChromeOS. With the extension, admins can provision unique user- and device-based certificates for Wi-Fi, VPN, web authentication, SSO and more. Coupled with Workspace ONE UEM's first-class 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.

Drive experience with Workspace ONE Intelligent Hub

IT can deliver Workspace ONE Intelligent Hub to Chromebooks through the Chrome browser. From Workspace ONE Intelligent Hub, users have simplified access to a customizable launcher of school applications, including all cloud, web, native and virtual applications from a centralized location. End users authenticate into the catalog using their assigned credentials. Simple authentication, plus the ability to integrate with identity providers for SSO, alleviates users having to remember multiple passwords and URLs. For additional security, admins can require two-factor authentication to access specific, critical applications. With Workspace ONE Intelligence, admins can measure user experience through key performance indicators, such as device health, OS stability, and app and network performance, and set up triggered automations based on measurements to remediate issues and return users back to productivity.

For more information on how to harness the speed, security and simplicity of ChromeOS for education, visit:

vmware.com/products/workspace-one/chrome-os-device-management and vmware.com/products/horizon.

For more information or to purchase VMware products

Call 877-4-VMWARE, visit vmware.com, or search online for an authorized reseller. For specifications and requirements, refer to the product documentation.

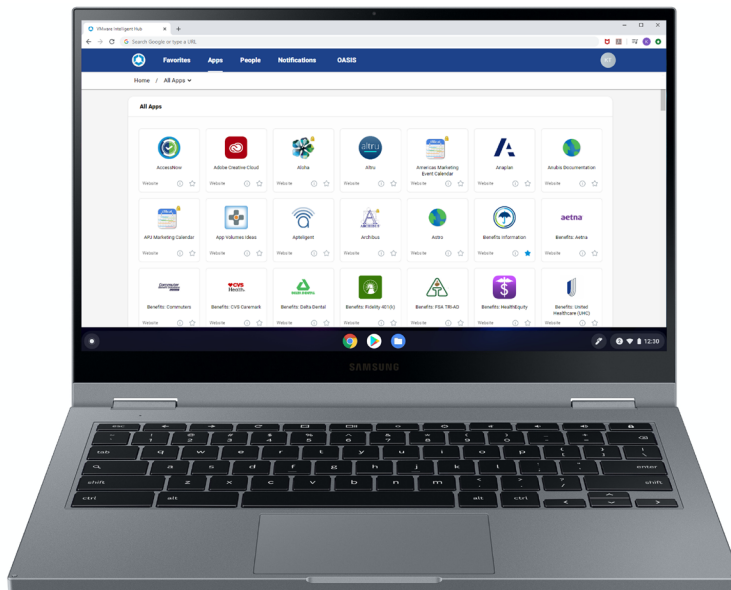


Figure 2: Workspace ONE delivers apps and virtual desktops to Chromebooks.

Enable end users with secure access to virtual desktops and apps

VMware Horizon enables Chromebook users to easily access virtual desktops and hosted applications with a choice of on-premises, public or hybrid cloud-based deployment models. With the VMware Horizon Client for ChromeOS, an end user can select a virtual application or full desktop on any OS and Horizon quickly delivers it to the user. The VMware Blast Extreme display protocol is fully optimized for ChromeOS and seamlessly delivers desktops and apps providing an exceptional remote user experience. Users get the responsiveness and high-fidelity display they are accustomed to, even in low-bandwidth environments, while reducing CPU and power consumption. 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.