

# Advanced Learning Environment

Providing an experience like no other to access applications and a desktop experience on any device from anywhere for Higher Education.

## KEY HIGHLIGHTS

- Access desktops and applications securely from any device and any network.
- Reclaim valuable space occupied by computer labs.
- Create a virtual lab and leverage the distributed power of the internet.
- Collaborate with peers in real-time while using high-end engineering software.
- Reduce the amount of effort required to maintain academic desktops and applications.
- Reduce the time to deploy and deliver course specific applications.
- Improve security with enhanced capabilities to patch and protect from security vulnerabilities and zero-day exploits.

## Access applications anytime, anywhere, and on any device

When today's students arrive at college the vast majority of them are already technically equipped with the devices they prefer. Students expect secure online access to the applications they need for course work with little to no configuration on their favorite device.

Traditional computer labs are limited to the number of seats available, physical location and lack of mobility. Implementing an Advanced Learning Environment leveraging VMware software helps organizations extend beyond the physical walls of the computer lab to student owned devices over a common everyday internet connection.

## What is the Advanced Learning Environment?

The Advanced Learning Environment (ALE) provides students, faculty and staff with the capability to stream a Windows 10 Computer or Application to any Windows, Mac, iOS, Android or Chrome device. It allows students access applications whether they're on the go, in their dorm or away on break. ALE allows IT to quickly respond to application patches and security updates as well as add applications or computer configurations for new curriculum.

ALE also provides IT with the agility to setup secure physical computer classrooms in a matter of minutes by leveraging Thin Client devices available from a number of our hardware partners.

## The distributed power of the Internet

The Advanced Learning Environment (ALE) helps organizations deliver a native cloud like experience to access desktop applications over a common internet connection on any device. This increases the availability of applications typically found only in computer labs by making them securely available over the public internet.

With the ALE, students and faculty alike can remotely collaborate in real-time by leveraging VMware Horizon's Session Collaboration feature. Simply send the collaborator a link and start working.

## Personalize the user experience

VMware software enables organizations to deliver a personalized user experience tailored to the individual. IT can allow users to safely and securely personalize their environment and provide self-service remediation for common problems.

VMware Real Time Application Delivery technology allows IT to dynamically deploy applications to the entire user population or specific groups of the user population in real time. Enabling organizations to dramatically reduce the time it takes to patch applications, apply settings, and remediate problems to keep systems secure and operational turning days into minutes.

#### DEPLOY ANYWHERE

- Leverage existing on-premises data center
- Leverage VMware Hosted Infrastructure, VMware Cloud on AWS, or Microsoft Azure.

#### VMWARE PRODUCTS

- VMware Horizon and/or VMware Horizon Cloud
- VMware User Environment Manager
- VMware App Volumes\*\*
- VMware Identity Manager (Workspace ONE Portal)

#### Leverage existing Authentication and Authorization Systems

VMware helps maintain identity and presence by providing organizations the ability to integrate with existing identity management systems. The **VMware Workspace ONE** portal can integrate with existing Active Directory domains alongside any ADFS, SAML2 or Shibboleth Identity Providers.

#### Harness the scalability and flexibility of public and hybrid clouds

Most organizations have adopted the public cloud or have plans to move workloads to the cloud. VMware partnerships with Microsoft, Amazon and IBM allow users access to academic desktop applications from the public cloud of their choice. VMware Horizon Cloud helps organizations reduce public cloud charges by shutting down resources when not in use and elastically expanding resource pools when needed. Additionally on-prem customers can expand into the cloud to support additional workloads.

#### Summary

Universities are becoming more agile by adopting modern methods to access applications that allow them to scale and repurpose valuable space occupied by computer labs. With the proliferation of mobile devices the needs and demands of users are evolving and require more flexibility while maintaining secure access across systems.

The delivery of an agile, sustainable academic computing environment enables organizations to accommodate the ever-changing needs of faculty and students in a way that delights end-users by making it easy for IT to rapidly respond to almost any request. Bringing together a comprehensive classroom strategy that drives speed, security and compliance are the capabilities that VMware can deliver to the next generation Digital Learning Platform™.

For more information on the Digital Learning Platform™ and VMware Powered services, please contact your VMware representative.

\*\*VMware App Volumes not available in Microsoft Azure at this time.



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