

## Streamline application and desktop delivery with the first purpose-built virtual workspace appliance

HPE Edgeline EL4000 Intelligent Edge Workspace combines Citrix Cloud and Atlantis USX software-defined storage into a single, 1U appliance that provides a way for customers with 350 to 5,000 employees to securely deliver virtual desktops to any device with less cost, complexity, and IT overhead.

In today's fast-paced, hypercompetitive business environment agility, innovation, and time-to-market are key. Rapidly evolving technologies, changing customer demands, and an explosion of data create a need for high-performance apps and workplace flexibility. With more and more employees using multiple devices, IT organizations struggle to manage apps, data, and security.

Digital transformation gives companies the tools to rapidly adapt to changing marketplace conditions, as well as the power to innovate quickly and keep pace with customer demands. For mid-sized businesses, it also simplifies IT and puts enterprise-level computing power in their hands. In addition, digital transformation allows companies to use technologies like social, mobility, analytics, and cloud to compete head-to-head with larger companies.

But, businesses with a few hundred or thousand desktops face challenges when embracing digital transformation. These challenges can include:

- Complex virtual and cloud infrastructures
- High cost of new infrastructure
- Limited IT staff and skill sets
- Difficult remote infrastructure support

Virtual workspaces can help companies transform more easily and compete more successfully by:

- Enabling IT and business agility
- Increasing productivity and efficiency
- Improving service delivery
- Strengthening and extending security

- Optimizing network and cloud performance
- Reducing costs (CapEx and OpEx)

Mid-sized businesses implementing virtual workspaces are often faced with a build versus buy decision. Do it yourself (DIY) architecture planning and implementation can be complex and expensive. However, a solution specifically engineered for virtual workspace delivery that leverages hyperconverged infrastructure (HCI) to bring all of the components together in a single appliance makes the build versus buy decision an easy choice.

### Leapfrog the competition with HPE Edgeline EL4000 Intelligent Edge Workspace

Jointly developed by Citrix, HPE, and Atlantis, the HPE Edgeline EL4000 Intelligent Edge Workspace is the only purpose-built appliance available in the marketplace today, specifically engineered for mid-sized businesses. It seamlessly delivers secure virtual apps and desktops, as well as, provides an exceptional user experience, and reduces infrastructure cost and complexity. The virtual workspace solution includes Citrix cloud-based service lifecycle management, hardware, hypervisor, storage, networking and virtualization software that:

- Gives your employees the freedom to work from anywhere while cutting IT costs
- Securely deploys Windows, Linux, web, and SaaS apps plus full virtual desktops to any device
- Delivers easier to maintain workspaces at a fraction of the cost of PCs

## Appliance components

### Hewlett Packard Enterprise

HPE Edgeline EL4000 with HPE Proliant M510 server cartridges

- Four server cartridges/1U appliance
- Memory: up to 512 GB (16x32 GB DIMMs)
- Storage: up to 4 TB m.2 NVMe and 960 GB m.2 SATA
- Network: 4x dual 10 GbE NIC
- HA enabled with single host failure protection
- Remote office/branch office (ROBO) ready
- Compact size and footprint using four servers in 1U
- Rugged form factor designed to withstand increased shock, vibration, and broad temperature ranges

### Citrix

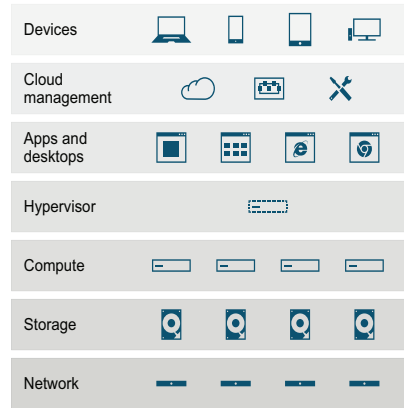
Citrix Cloud

- Citrix XenServer
- Citrix XenApp/XenDesktop
- Citrix Smart Tools

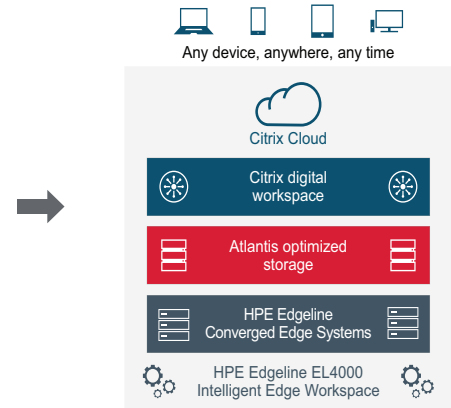
### Atlantis

Atlantis Virtual Workspace USX

## DO-IT-YOURSELF ARCHITECTURE



## INTEGRATED SOLUTION ARCHITECTURE



A logical view of the HPE Edgeline EL4000 Intelligent Edge Workspace Solution

The HPE Edgeline EL4000 Intelligent Edge Workspace includes built-in connectors to Citrix Cloud and Citrix Smart Tools to greatly simplify the lifecycle management of Citrix workloads and applications. It gives you a fast and easy way to manage and deliver apps and data in a hybrid cloud approach that keeps mission critical apps and desktops on your premises and leverages cloud resources for other infrastructure components. It's built on HPE's compute technology that provides industry-leading performance/density with up to 160 users packed into 1U. It also includes HPE Integrated Lights Out (iLO) remote manageability and the Atlantis Workspace Infrastructure Stack.

### Be more competitive

**Increase agility.** The HPE Edgeline EL4000 Intelligent Edge Workspace appliance is an integrated, flexible, cloud-managed solution based on best-in-class software and world-class support. It helps you grow your business by delivering a high-performance app and desktop experience to every user on any device regardless of physical location — vastly increasing employee productivity with mobility. End user experience and performance are improved by placing the appliance at the edge, closer to the end user.

**Scale economically.** The HPE Edgeline EL4000 Intelligent Edge Workspace appliance deploys virtual workspaces using a *pay-as-you-grow* operating expense (OpEx) model that delivers reduced capital expenses up front. So, apps and desktop deployment become predictable and convenient OpEx. Citrix XenServer eliminates the need for a separate hypervisor further reducing costs. This linearly scalable hybrid solution gives you a lot of power in a 1U form factor that supports up to 160 users without adding to your existing IT staff or skill sets — and it requires less cooling and power.

**Leverage cloud-enabled management.** The single pane management platform built into the HPE Edgeline EL4000 Intelligent Edge Workspace appliance simplifies provisioning, ongoing management, and monitoring of virtual infrastructure. It enables you to manage multiple sites or branches from a single location in the cloud with proactive alerting and one-click workspace infrastructure deployment — automated by Citrix Smart Tools Blueprints. In addition, because it's cloud-based, you automatically stay up-to-date with the latest features, freeing up IT staff for value-adding activities.

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## The right solution

- Simple, fast, and secure way to deploy and scale apps and desktops using virtual workspace appliances and Citrix Cloud
- HPE's industry-leading density packs up to 160 users into a 1U form factor
- High-performance user experience
- Up to 4 TB m.2 NVMe plus 960 GB m.2 SATA
- HPE Integrated Lights Out (iLO) remote manageability
- Virtual workplace appliance can be on-premises or in a private or public cloud with the app/desktop workloads managed from Citrix Cloud
- Auto-updates and health checks for Citrix XenApp and XenDesktop core software and components
- Automatic repairs/fixes for known issues

**Deliver a rich user experience.** The built-in Atlantis USX software delivers high performance and enterprise data services for virtual workspace environments with a rich, flexible desktop and application experience for every user. Compatible with both existing and legacy applications, Atlantis USX delivers:

- Up to 3x-12x faster disk performance than PCs with SSD
- Up to 92% faster launch time for large apps vs. traditional VDI
- Up to 92% faster login time vs. traditional VDI
- Easy migration to Windows 10

### Simplify IT with a purpose-built solution

**Deploy faster.** Pre-integrated and pre-tested, the HPE Edgeline EL4000 Intelligent Edge Workspace appliance provides zero-touch setup and management using Citrix Smart Tools. With a wizard-based environment set up that is up to 80% faster than DIY, you can easily deploy the solution where it makes the most sense — in the datacenter, or in a remote office, or branch office — and manage it through Citrix Cloud. Once the appliance is in place, you can securely deploy apps and desktops in hours, not weeks, using automated Citrix Smart Tools Blueprints.

**Simplify infrastructure.** The HPE Edgeline EL4000 Intelligent Edge Workspace appliance is a fully integrated HCI solution that provides the complete virtual workspace stack. You can quickly stand up secure digital workspaces that are scalable and easy to manage. The integrated solution reduces footprint and related costs by consolidating server, storage, and networking hardware into one high-performing HCI appliance.

**Streamline management.** The HPE Edgeline EL4000 Intelligent Edge Workspace appliance reduces cost and complexity by combining a virtual workspace appliance with the simplified lifecycle management of Citrix XenApp and XenDesktop through Citrix Cloud. It reduces TCO by up to 40% compared to DIY solutions. Citrix XenServer eliminates hypervisor cost, and you don't need to have specialized IT skill sets, or place the appliance in the datacenter. In addition, Citrix, HPE, and Atlantis provide a single source for support and maintenance.

**Manage and protect data more easily.** Citrix XenServer gives you highly secure enterprise-class data protection with dedupe-aware snapshot, replication, and resiliency. Many of the world's largest government agencies use Citrix technology because it's purpose-built for secure delivery.

### Transform your IT infrastructure today

The HPE Edgeline EL4000 Intelligent Edge Workspace is the simplest, fastest, and most secure way to deploy and scale virtual apps and desktops so you can digitally transform your business. Visit the links below to learn more about Citrix, HPE, and Atlantis' innovative HPE Edgeline EL4000 Intelligent Edge Workspace appliance.

- [citrix.com/hpe](https://citrix.com/hpe)
- [hpe.com/us/en/partners/citrix/hci\\_appliance.aspx](https://hpe.com/us/en/partners/citrix/hci_appliance.aspx)
- [atlantiscomputing.com/solutions/hpe-citrix-appliance](https://atlantiscomputing.com/solutions/hpe-citrix-appliance)



#### About Citrix

Citrix (NASDAQ:CTXS) aims to power a world where people, organizations and things are securely connected and accessible to make the extraordinary possible. Its technology makes the world's apps and data secure and easy to access, empowering people to work anywhere and at any time. Citrix provides a complete and integrated portfolio of Workspace-as-a-Service, application delivery, virtualization, mobility, network delivery and file sharing solutions that enables IT to ensure critical systems are securely available to users via the cloud or on-premise and across any device or platform. With annual revenue in 2015 of \$3.28 billion, Citrix solutions are in use by more than 400,000 organizations and over 100 million users globally. Learn more at [www.citrix.com](http://www.citrix.com).

#### About HPE

Hewlett Packard Enterprise (NYSE: HPE) makes IT environments more efficient, productive and secure, enabling fast, flexible responses to a rapidly changing competitive landscape. We have industry-leading positions in servers, storage, wired and wireless networking, converged systems, software, services and cloud that enable organizations to act quickly on ideas in today's marketplace of disruptive innovation. Our vast intellectual property portfolio and global research and development capabilities are part of an innovation roadmap designed to help organizations of all sizes – from global enterprises to local startups. And with the largest Citrix-installed base in the market, we are uniquely positioned to help customers succeed in today's marketplace of disruptive innovation. Learn more at [www.hpe.com](http://www.hpe.com)

#### About Atlantis

Atlantis Computing, winner of the Best of Citrix Synergy awards, offers the industry's most simple and agile virtual workspace platform. Atlantis delivers high performance, a dynamic user experience and low costs that are missing from traditional infrastructures. Atlantis provides the flexibility to optimize and extend the existing capacity of any mix of hardware, local and shared storage, or to transition to more efficient hyperconverged and public cloud storage. The Atlantis solutions effectively reduce costs by lowering data center infrastructure requirements, simplifying management, and eliminating the need to buy shared storage again. To date, Atlantis has deployed over 160 petabytes of storage for more than 900 customers, servicing 7 of the top 10 global banks, and over 1 million virtual workspaces including the largest virtualization deployments in the world. Learn more at [www.atlantiscomputing.com](http://www.atlantiscomputing.com)

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