

Designed for schools, Zynstra Cloud Managed Server Appliances support a complete range of IT for small and large schools, securely delivering core IT functions out of the box. Integration to common cloud applications, backup and disaster recovery are all provided, and of course all are cloud-managed by trusted local IT partners.

How it Works

For educational establishments with up to 1200 students per campus, Education IT Appliances are designed for schools that want a flexible method of refreshing existing IT servers, retaining control over systems and data, at a predictable and affordable cost.

Appliances are delivered as on-site servers that have been pre-staged with core IT services, a local private cloud for your applications, pre-integrated with services like Microsoft Office 365 and Azure cloud storage. Each includes virtualized compute capacity to host local applications such as Capita SIMs, a Virtual Learning Environment (VLE) like Frog, or other school specific applications, such as Protex education-specific web filtering.

Whether the requirement is for core school IT functions, legacy server consolidation, or off-site backup, a single appliance comprising security, storage, private cloud and network functions ensures users benefit from worry-free IT.

Schools can enjoy for the first time cloud managed, hyper-converged technology that makes possible new levels of savings on the costs associated with buying, running and maintaining IT.

Benefits at a Glance

Zynstra's Cloud Managed Server Appliances comprise a unique combination of hardware, software and services that offer a range of benefits unavailable from off-the-shelf servers or proprietary enterprise solutions.

Excellent service level commitments: Remotely monitored by experts dedicated to helping you, including next business day hardware fix if required.

Enhanced security: User access privileges, data protection, next generation firewall and the option of school-specific web filtering.

Reliable: A backed-up, resilient appliance with next business day repair services and the option of high-availability and cloud backup services.

Quick to deploy, quick to restore: Pre-staged by Zynstra and self-configuring once installed, your IT can be up-and-running in minutes, not days. If ever required, software and data can be restored rapidly from local backup or cloud backup, minimizing the risk of downtime.

Maintenance free IT: No manual patching or backup management required. A self-healing solution with break fix service included, reducing your server administration effort by 90%.

Keep current IT: Patched, updated and upgraded. No more big IT refresh projects.

Low cost of ownership: Realize up to 60% lower total cost of ownership compared to traditional on-premises server, software and network solutions.

Pay per month: Comprehensive support and monthly payments mean predictable IT costs.

Key Features

Zynstra Cloud Managed Server Appliances: Based on HPE ProLiant servers and Intel E3 and E5 processors. Everything a school requires for network, file sharing, virtualization and security. High-performance, reliable, always up-to-date hardware and software.

Safe and Secure: Enterprise-grade user security based on Active Directory, an ICSA-certified firewall and the option of a school-specific web filter featuring website categorization, age-based access privileges and dedicated staff profiles.

Zynstra Cloud Management Platform: Remote monitoring, management, and our unique Keep Current service for worry-free IT.

Cloud Backup and Disaster Recovery: Pre-integrated with popular cloud storage services for off-site backup, with a choice of data retention policies, and disaster recovery.

Education IT Appliance Feature List

Base Product

Cloud Managed	Worry-free IT. Configured, monitored and managed by Zynstra and our IT partners
	Monitoring Console. Optional access to multi-site monitoring from a single interface
	Local dashboard. User Control Console provides easy to understand per-appliance service status monitoring
Keep Current Service	Keep Current. IT and curated apps are patched and updated by Zynstra's automated processes
	Keep Secure. Secure, monitored and automatically able to identify both internal and external security threats
	Keep Integrated. Pre-integrated and updated to make use of cloud backup and Single sign-on to cloud apps
	Keep Running. Self-healing architecture and on-going performance monitoring and tuning
File & Printer Sharing	File Share. Individual file storage and group file shares on resilient high-performance disk arrays
	Printer Sharing. Straightforward access to local printers for all users
Compute Resources	IaaS Virtual Machines. Compute capacity to host on-premises apps. Allocate CPUs, RAM and storage to virtual machines for local applications
Network Functions	DNS and DHCP. Critical network services on-premises
	Firewall. ICSA certified firewall gateway to the Internet protects LAN-side applications, data and users
	IPsec. On the public Internet, securely connects multiple sites using IPsec and next generation firewall
	VPN. Secure remote access to services for users and IT administrators
User Management	User Control Console. Individual user and group administration via an easy-to-use web interface
	Active Directory. Industry-leading user credential management, installed on-premises
	SSO. Single sign-on to Microsoft Office 365 using AD in the Cloud
Reliable & Resilient	Local Backup. Appliances feature redundant disk arrays and local data backup
	Office 365 Backup. Backup your organization's Office 365 files from the cloud to your on-premises appliances
	High Availability. Combine two Zynstra appliances for dual-node clustering with automated failover
Support	System Care. Next business day repair of appliance hardware (subject to regional availability)
	Support. You and your IT partners are backed by Zynstra's DevOps team and modern IT support systems. Office hours support line and on-line

Cloud Backup and Disaster Recovery Product

IT Continuity	Cloud Backup. Nightly backup of the entire system to cloud storage with an option of data-retention periods, inclusive of all Cloud storage costs, for a predictable subscription price
	Disaster Recovery. Temporary access to users data in the cloud in the event of a major outage, followed by data restoration to your hardware

Gateway Product

Security and Control	Firewall. ICSA certified firewall gateway to the Internet protects LAN-side applications, data and users
	Web Filter. Enables blocking of inappropriate web content in real-time. The URL categorization engine makes it easy to block websites in over 140 categories
	Bandwidth Control. Control and visualization of network traffic at a fine-grained level
	Virus-Blocker. On-the wire anti-virus scanning automatically scans HTTP, FTP and SMTP traffic

School Web Filter Product

Safe Browsing	DfE Approved. E2BN Protex web filtering is a DfE-approved filtering service providing age-appropriate protection from inappropriate content and defense against student attempts to bypass the filter
	Website Categorization. Website URLs are categorized by subject type and age-appropriateness. Sites can be entirely blocked, open to certain age groups, or temporarily opened for specific class activities
	Automatic Categorization. Because new websites appear every day, E2BN Protex analyses new content and automatically determines its suitability for the user group

Windows Server Products

Windows Server	Single Instance for VMs. Windows Server 2012 and 2008 are supplied as a subscription price for deployment in to a Zynstra IaaS Virtual Machine or to support Microsoft curated applications
	Multiple Instances for VMs. Windows Server 2012 and 2008 Datacenter license available as a subscription price for unlimited Windows Server instances for deployment in to a Zynstra IaaS Virtual Machine or to support Microsoft curated applications

Note – For dual-server High Availability deployment, Windows licenses for IaaS VMs must be purchased for both servers.

Microsoft RDS Product

User Desktops	Remote Desktop. Microsoft RDS platform provided as a subscription service ready for your users' desktop applications. RDS services are fully monitored and kept-current by Zynstra. Desktop configuration and contents are managed by your IT team or IT partner
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Note – Two or more Windows Server licenses must also be purchased to host RDS services

Microsoft Exchange Product

Email	Email Server. Microsoft Exchange Standard Edition provided as a subscription service for an on-premises email server. Exchange services are fully monitored and kept-current by Zynstra. Application settings and contents are managed by your IT team or IT partner
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Note – A Windows Server license must also be purchased to host Microsoft Exchange

Hardware Products

Disk Packs	Storage Capacity. Appliances have flexible disk options for a variety of storage use cases. A Disk Pack comprizes two disks of the same size, mirrored for resiliency. Disk Packs are available as pairs of 1, 2, 3, 4, 6 or 8TB disks
RAM Packs	VM Memory Capacity. Appliances include a base RAM configuration, which can be upgraded to accommodate memory intensive Virtual Machines. RAM Packs are available in 16GB increments for the Z1620, and 32GB increments for Z1630 and Z1640 appliances

Cloud Manager Server Appliance Specifications

	Z1610	Z1620	Z1630	Z1640
Max Storage* (Disks/Capacity)	4 / 8TB	8 / 16TB	8 / 16TB	12 / 24TB
CPU (Cores/Threads)	4 / 4	4 / 8	8 / 16	12 / 24
RAM (Base/Max)	32GB / 32GB	32GB / 64GB	64GB / 128GB	64GB / 192GB
Network Interface	1Gb	1Gb	1Gb	1Gb
HPE ProLiant Server	ML30 Gen9	ML110 Gen9	DL180 Gen9	DL380 Gen9
Form Factor	Tower	Tower	2U Rack	2U Rack
Dimensions (Approx.)	TBC	44x20x48cm	8.8x44.5x61cm	8.8x44.5x73cm
Acoustic Noise (Approx.)	TBC	25 dBA	40 dBA	39 dBA

*Total Storage is useable capacity after disk mirroring. Storage capacity is allocated to core IT systems, local backup, temporary space and system work space, resulting in the storage available for allocation to the User File System and applications will be lower than the Total Storage value.

About Zynstra

Zynstra is a software company, committed to delivering highly affordable enterprise grade IT which is simple to buy, deploy and use. Our unique solution delivers hybrid IT as a service, enabling customers to choose the right blend of local and cloud IT to scale with their business, without the need for expensive future upgrades, all managed and kept up to date via the cloud. Zynstra are the winners of the 2015 IT Industry Awards for Infrastructure Innovation of the Year.

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