

Privileged Account Appliance

Security for the solutions that safeguard your privileged accounts

When your organization deploys solutions to manage access credentials; monitor access to high-value assets; and provision access for specific programs, tasks and commands, it is also critical to control access to those solutions themselves. Dell Software's Privileged Account Appliance delivers the security and trust businesses need when deploying Privileged Password Manager (PPM) and Privileged Session Manager (PSM) solutions. As a client-less, agent-less appliance designed specifically to host PPM and PSM applications, the Privileged Account Appliance is hardened out of the box to ensure the highest levels of protection for your organization's most vital assets.

Features

Secure, role-based access—With no console port or console-level interface, the appliance can be accessed only via a secure, role-based web interface. This provides protection from host admin attacks, as well as OS, database or other system-level modifications. **Internal firewall**—An internal firewall protects against external network based attacks and provides additional auditing capabilities.

Stored password encryption—AES-256 bit encryption ensures that all stored passwords are properly secured.

Full hard drive encryption—the appliance's hard drive is encrypted using BitLocker™ Drive Encryption.

Secure communication—All user connections are secured via HTTPS/ SSLv3. The initial certificate is signed by Dell Software and can be replaced with a customer-specific certificate. User proxy connections are secured via SSH. Target sessions proxies are via the most secure native protocol; in most cases, this will be SSH. Programmatic (CLI/API) communication is secured via SSH2, using DSS asymmetric keys for authentication.

Database security—Communication between the role-based web application and the underlying database is protected by prohibiting direct access to any database objects or data. Only stored procedures are allowed to be called from the application; no ad-hoc SQL is allowed.

Application security—Separation of duties (SoD) is enforced through role based access control (RBAC), which is built into the application.

Benefits:

- Installs easily
- Protects against external, network-based attacks with embedded firewall
- Eliminates concerns about securing base hardware—the appliance is hardened out of the box and secures stored passwords and data with full-disk encryption
- Scales to meet future performance needs
- Maximizes availability with disaster recovery and business continuity options
- Supports redundant hardware options

Privileged account appliance hardware

Component	Standard Appliance	Enterprise Appliance
Model Name	Dell R330	Dell R430
Processor	E3-1220 Intel® Xeon® processor family	E5-2600 Intel® Xeon® processor family
# Processors	1	2
# Cores Per Processor	Quad	Quad
L2/L3 Cache	10 MB	10 MB
Chipset	Intel® C236	Intel® C610 series
DIMMs	DDR4 R-DIMM	DDR4 R-DIMM
RAM	8 GB Min	32 GB Min
HD Bays	4 x 3.5 Hot Plug	4 x 3.5 Hot Plug
HD Types	SATA/SAS	SAS add-in controller
Internal HD Controller	PERC H310 integrated RAID controller	PERC H710P integrated RAID controller, 1 GB NV cache
Disk	500 GB SATA	4 x 300 15KRPM GB SAS
Availability	ECC Memory-swap HDD, redundant PSU, TPM	Hot-swap HDD; Redundant PSU; Memory mirroring, TPM
I/O Slots	2 x PCIe 3.0	2 x PCIe x16; half height, half length
RAID	RAID 1 mirrored	RAID10
NIC/LOM	2x GbE LOM	2x GbE LOM
DRAC	iDRAC8 Enterprise	iDRAC8 Enterprise
USB	2 front/2 rear/2 internal	2 front/2 rear/2 internal
Power Supplies / Power details	Redundant, 350W, Auto Ranging (100V~240V) , ACPI compatible	Redundant, 550W, Auto Ranging (100V~240V), ACPI compliant
Fans	3 Non-redundant, non-hot swappable	4 Non-redundant, non-hot-swappable
Chassis	1U rack	1U Rack
Dimension	42.8 x 434.0 x 625.0 (mm) (w/o bezel) (1.68 x 17.08 x 24.6 in.)	42.8 x 434.0 x 607.0 (mm) (w/o ear, w/o bezel) (1.68 x 17.08 x 23.9 in.)
Weight	Max. 30.42 lbs (13.8 Kg)	Max: 43.87lbs (19.9Kg)
Misc.	Intrusion switch detects when cover is opened, hyper-threading (8 threads), 128 x 120 LCD status LCD panel	Intrusion switch detects when cover is opened, simultaneous multi-threading, status LCD module
Operating Temp	10° to 35°C	10° to 35°C
Regulatory Certifications	Class A:	Class A:
Additional country certification information available upon request.	Australia /N. Z. – AMCA or C-Tick Canada – SCC, ICES European Union - CE Germany –TUV United States – FCC, NRT	Australia /N. Z. – AMCA or C-Tick Canada – SCC, ICES European Union - CE Germany -TUV United States – FCC, NRT

This table shows the current hardware platform for each Privileged Account Appliance configuration. The components listed are those in the units shipping at the time of publication of this document but are subject to change without notification, due to component obsolescence, unavailability or defect notification.