A Broadcom Company
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**Product Brief**

# Upgrading Layer7 Privileged Access Manager

## Key Benefits

- Improved hybrid enterprise support.
- Optimized user experience.
- Enhanced operational efficiencies and security.
- Increased integration flexibility.

## Key Features

- New clustering replication architecture.
- New target connector framework.
- Java-less PAM agent.
- Expanded integration support for Active Directory, Azure, and SailPoint.
- Exclusive privileged credential checkout.
- Retrospective break-glass approval workflow.

## Overview

CA Technologies is committed to enhancing and strengthening its privileged access management portfolio. Upgrading to the latest release of Layer7 Privileged Access Manager (formerly CA Privileged Access Manager, and herein referred to as Layer7 PAM) provides new and enhanced features, cumulative bug fixes, and security and operational efficiency improvements.

The key enhancements available in Layer7 PAM 3.3 include:

- **New clustering replication architecture**. Layer7 PAM now leverages the v8 group replication capabilities of Oracle MySQL, which provides enhanced stability and reduced maintenance downtime.
- **Target connector framework**. Layer7 PAM now enables customers to easily build custom connectors for remote targets that are not supported with out-of-the-box connectors.
- **Java-less PAM agent**. Layer7 PAM introduces the PAM access agent, which is a lightweight Java-less alternative to the existing PAM client.

The table below provides a simplified summary of the features and enhancements available for 3.3 and for previous versions. For more detail, review the product documentation.

## Features and Enhancements

| Features and Enhancements | 3.0* | 3.1* | 3.2* | 3.3 |
|---|---|---|---|---|
| **New clustering replication architecture**. Leverages Oracle MySQL v8 group replication capabilities, which provides enhanced stability and reduced downtime. | No | No | No | Yes |
| **Target connector framework.** Enables you to easily build custom connectors for remote targets that are not supported with out-of-the-box connectors. | No | No | No | Yes |
| **Java-less PAM agent.** Provides a lightweight Java-less alternative to the existing PAM client. | No | No | No | Yes |
| **Enhanced Microsoft Azure support.** Use the connector to update passwords for Azure AD accounts to manage cloud-only accounts. Also, now supports Azure.gov. | No | No | No | Yes |
| **Enhanced transparent login support.** Enables a transparent login for multiple accounts as part of a policy for optimized user experience. | No | No | No | Yes |
| **Enhanced PIV/CAC smart card support.** Enables you to map specific fields from PIV/CAC card to fields in an Active Directory for authentication. | No | No | No | Yes |
| **Enhanced break-glass approval process**. Configure policy to allow immediate break-glass access to account credentials with a retrospective approval option. | No | No | No | Yes |

| Features and Enhancements | 3.0* | 3.1* | 3.2* | 3.3 |
|---|---|---|---|---|
| **Exclusive checkout support**. Enables policies to guarantee that a user has exclusive rights to a credential when it is checked out. | No | No | No | Yes |
| **Enhanced SailPoint identity IQ integration**. Adds SCIM interface option for SailPoint IIQ integration. | No | No | No | Yes |
| **Updated cryptographic algorithms**. Adds new strong cryptography algorithms and extends forward-secrecy. | No | No | No | Yes |
| **Enhanced backup support**. Copy and compress database backup files in one step. | No | No | No | Yes |
| **Azure support and integration**. Discover and protect Azure privileged accounts. In addition, Layer7 PAM is available as an Azure Virtual Hard Disk (VHD) appliance. | No | No | Yes | Yes |
| **Mobile device support**. Check out and check in passwords from a mobile device. Also supports password policies. | No | No | Yes | Yes |
| **Certified SailPoint identity IQ integration**. Provision and de-provision Layer7 PAM users, process privileged access requests, define role inheritance, and certify privileged user access through SailPoint integration. | No | No | Yes | Yes |
| **Enhanced mainframe support**. Supports a mainframe proxy bring-your-own-client approach, auto-login and session recording for mainframe 3270 and 5250 systems. | No | Yes | Yes | Yes |
| **Windows proxy alternative**. Minimizes Layer7 PAM footprint by allowing the appliance, instead of an agent, to directly perform service, task, and credential management, and to perform discovery functions. | No | Yes | Yes | Yes |
| **Enhanced PIV/CAC authentication**. Kerberos with PIV/CAC card authentication now includes Windows RDP and Web portal access. Enhancements also include support for single and multiple smart card readers. | No | Yes | Yes | Yes |
| **Expanded Amazon Web Services (AWS) support**. Added support for protecting international AWS instances in: Frankfurt, Seoul, London, and US East (Ohio). | No | Yes | Yes | Yes |
| **Expanded Microsoft Support**. Enables the Layer7 PAM client to automatically trust certificates in the Windows trust store. Allows you to retain policies and rotate credentials as accounts move to different Active Directory operating units. Provides full support for Windows 2016 operating systems. | No | Yes | Yes | Yes |
| **Enhanced user interface**. A new graphical user interface to improve usability. | Yes | Yes | Yes | Yes |
| **Management console**. A new console for organizaations, such as MSPs, that administer large cluster deployments or multiple disparate sets of clusters. | Yes | Yes | Yes | Yes |
| **New NIST-approved encryption module**. Appliance ships with a new NIST-approved, FIPS 140-2 certified C-Security Kernel for cryptographic operations when in FIPS mode. | Yes | Yes | Yes | Yes |
| **External REST APIs**. New REST APIs: RADIUS and TACACS; configProperties; splunk; sessionRecordings; sessionRecordingConfiguration; and sysLogConfiguration. | Yes | Yes | Yes | Yes |
| **Enhanced localization.** Solution supports Japanese localization and use of international Japanese and Italian keyboards for RDP connections. | Yes | Yes | Yes | Yes |
| **Session recording enhancements**. You can now set up a secondary share to provide storage failover for session recording data. Also, session recordings are now encrypted using AES-256 cipher for increased security. | Yes | Yes | Yes | Yes |
| **Logging improvements**. The access and credential management components now return unified log messages that show the associated user, device name, and target account. | Yes | Yes | Yes | Yes |
| **TLS communication protocol flexibility**. By default, TLS 1.0, 1.1, and 1.2 communication protocols are enabled. These can now be disabled to enhance security for inbound communication. | Yes | Yes | Yes | Yes |
| **Network teaming**. You can set up Network Teaming, also known as NIC teaming, bonding, or aggregation, to combine multiple network cards together for enhanced performance or redundancy. | Yes | Yes | Yes | Yes |

* Some enhancements were introduced in service packs or controlled releases.




CS200-395278-0419 July 12, 2019