

PingAccess[®]

Version 3.0

Release Notes



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PingAccess

Version 3.0

July, 2014

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Release Notes

Release Notes

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Release Notes Introduction

Release Notes Introduction

PingAccess is a centralized point of security and access control for Web applications and APIs, serving applications and other resources to clients outside an organization while still protecting internal interfaces from unauthorized access. PingAccess sits in front of applications to protect them, enabling access control and identity-based auditing on incoming requests. Featuring a lightweight, highly scalable architecture, PingAccess complements PingFederate with centralized session management and URL-level authorization.

These release notes summarize the changes in current and previous product updates.

Installation and Configuration

Installation and Configuration

Refer to [Getting Started](#) in the PingAccess Online Documentation.

Enhancements for the 3.0 Release

Enhancements for the 3.0 Release

PingAccess Agents

PingAccess now offers additional architectural flexibility with an agent based deployment model. Featuring an open protocol, lightweight agents rely centrally on PingAccess to provide the same access control, Web session management and identity-based auditing features to the Web servers where they are installed without imposing network architecture changes.

In conjunction with this release, two supporting agents have been made available. Click on the links for specific documentation.

- [PingAccess Agent for IIS 8.5](#)
- [PingAccess Agent for Apache 2.2](#)

Session Management Enhancements

Web session management has been enhanced to offer additional security for end user-driven logout use cases.

Leveraging features from PingFederate 7.2 (and above), two new capabilities are introduced with this release to enable both the clean-up of all sessions across domains, as well as the checking of a centralized revocation list to prevent the reuse of previously logged out sessions. By following a revocation list approach to session checking, the system can offer a highly scalable model to support large active end user populations.

While these features may be used independently, by combining them a complete clean-up of issued session cookies and the prevention of session hijacking is ensured.

Add-on Java SDK

A new PingAccess add-on Java SDK has been introduced with this release. It offers developers the ability to extend and enhance the product by designing custom Rule and Site Authenticator implementations. The SDK features simple to use annotation based configuration UI builders as well as high-level user and HTTP request/response handling interfaces.

For more information, please consult the [SDK Developer's Guide](#).

TLS Server Name Indication (SNI) Support

HTTPS listener configuration has been extended to support the TLS Server Name Indication (SNI) extension. With SNI support, administrators can associate multiple certificates to the engine listening port and map them to named virtual hosts. This enables a simple certificate management model to add additional applications under varying host and domain names behind the PingAccess gateway, without imposing the use of wildcard or SAN certificates.

Note: Java 8 is required for SNI support.

Request/Response Time Auditing

Additional fields have been added to the engine audit logs for performance monitoring and capacity planning purposes - total request processing time and back-end proxy response time. Administrators can monitor and trend on these values to ensure the health of the system and adequacy of hardware infrastructure.

Administration Enhancements

Many enhancements have been made to improve the administration and modeling of configuration in PingAccess, including:

- **Applications** - offers a top-level view and configuration of collections of resources.
- **Identity Mapping** - a centralized mapping from API or Web session tokens to HTTP headers applied to applications.
- **Anonymous Resources** - allows authentication to be optional for resources. When the user is logged in, identity mapping configuration is applied to ensure that HTTP headers are set to enable personalization by the resource.
- **PingFederate Configuration** - leveraging the PingFederate 7.2 (and above) Administrative API's, the administration console pre-populates a number of drop-down fields to simplify the alignment of configuration across the system.
- **Configuration Backup** - a convenient mechanism to backup the PingAccess configuration into a single archive for system recovery or change control management.

Known Issues

Known Issues

- Internet Explorer and Firefox do not correctly support the HTML5 time tag. When using the Time Range rule, enter time in 24-hour format.
- PingFederate does not appear as an Access Validator in OAuth Rules unless it is configured as an OAuth Resource server to validate OAuth access tokens. See [PingFederate Settings](#).
- When installing PingAccess as a Windows service using Windows PowerShell and Java 8, the error message "Could not find or load main class" can be safely ignored.

Upgrading to PingAccess 3.0

Upgrading to PingAccess 3.0

Coming soon.

Complete Change List by Released Version

Complete Change List by Released Version

PingAccess 3.0 - July, 2014

- **PingAccess Agents** - added PingAccess Agents to provide additional architectural flexibility with an agent based deployment model.
- **Session Management enhancements** - Web session management has been enhanced to offer additional security for end user-driven logout use cases.
- **Add-on Java SDK** - new PingAccess add-on Java SDK has been introduced.
- **TLS Server Name Indication support** - HTTPS listener configuration has been extended to support the TLS Server Name Indication (SNI) extension.

- **Request/Response Time Auditing** - additional fields have been added to the engine audit logs for performance monitoring and capacity planning purposes - total request processing time and back-end proxy response time.
- **Administration enhancements** - many enhancements have been made to improve the administration and modeling of configuration in PingAccess.

Previous releases

- [PingAccess 2.1.4 - June 2014](#)
- [PingAccess 2.1.3 - May 2014](#)
- [PingAccess 2.1.2 - April 2014](#)
- [PingAccess 2.1.1 - March 2014](#)
- [PingAccess 2.1 - December 2013](#)
- [PingAccess 2.0.1 - October 2013](#)
- [PingAccess 2.0 - September 2013](#)
- [PingAccess 1.0 - April 2013](#)

PingAccess 2.1.4 - June 2014

PingAccess 2.1.4 – June 2014

- Resolved an issue with Resource Ordering in the Administrative Console.
- improved interoperability with backend applications introduced by URL filtering in PingAccess 2.1.3.

PingAccess 2.1.3 - May 2014

PingAccess 2.1.3 - May 2014

- Fix a potential security issue that affects deployments that have varying policy applied across a single virtual server.

PingAccess 2.1.2 - April 2014

PingAccess 2.1.2 – April 2014

- Allow for specifying the base path for PingFederate. Useful when PingFederate is behind a reverse proxy.

PingAccess 2.1.1 - March 2014

PingAccess 2.1.1 – March 2014

- Fix Identity Mediation back channel communication issue.
- Fix Web Session cookie attribute handling.

PingAccess 2.1 - December 2013

PingAccess 2.1 – December 2013

- Ability to encrypt the PA session token.
- Sites can have multiple Site Authenticators configured.
- Added Authentication Requirements policy to allow step-up authentication to a Resource.
- Ability to specify "Any" or "All" processing to policy rules within a rule set.
- Multiple Web Sessions can be configured to scope a PingAccess session for a specific set of Resources.
- Added OpenID Connect Basic Profile flow for obtaining claims from PingFederate.
- Enhanced Audit log options to database and Splunk.

PingAccess 2.0.1 - October 2013

PingAccess 2.0.1 – October 2013

- Fixed well-known HTTP/S port issue
- Fixed a potential security issue with the Web Session Header Site Authenticator

PingAccess 2.0 - September 2013

PingAccess 2.0 – September 2013
Initial General Availability (GA) release

PingAccess 1.0 - April 2013

PingAccess 1.0 - April 2013
Limited release