

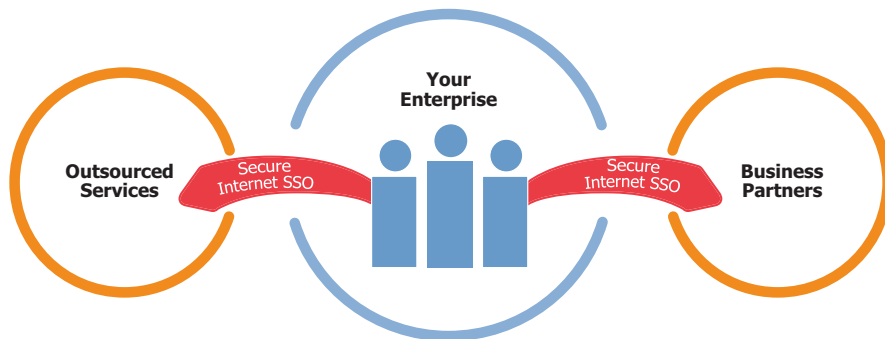
PingFederate

The World's First Rapidly Deployable Secure Internet Single Sign-On Software

PingFederate provides secure Internet single sign-on (SSO) for all of your external partner connections including Software-as-a-Service (SaaS) and Business Process Outsourcing (BPO) providers, managed services, trading partners, affiliates, acquisitions and customers. Your organization can have secure Internet SSO in days with point and click connection configuration, out-of-the-box integration kits, multi-protocol support, and user provisioning. That's why over 300 enterprises and service providers use PingFederate to directly connect their users to external mission-critical applications over the Internet. As the market leading federated identity management product, organizations across the globe use PingFederate to make external applications easier to use, reduce IT costs and strengthen security.

Comprehensive Standalone Federated Identity Management

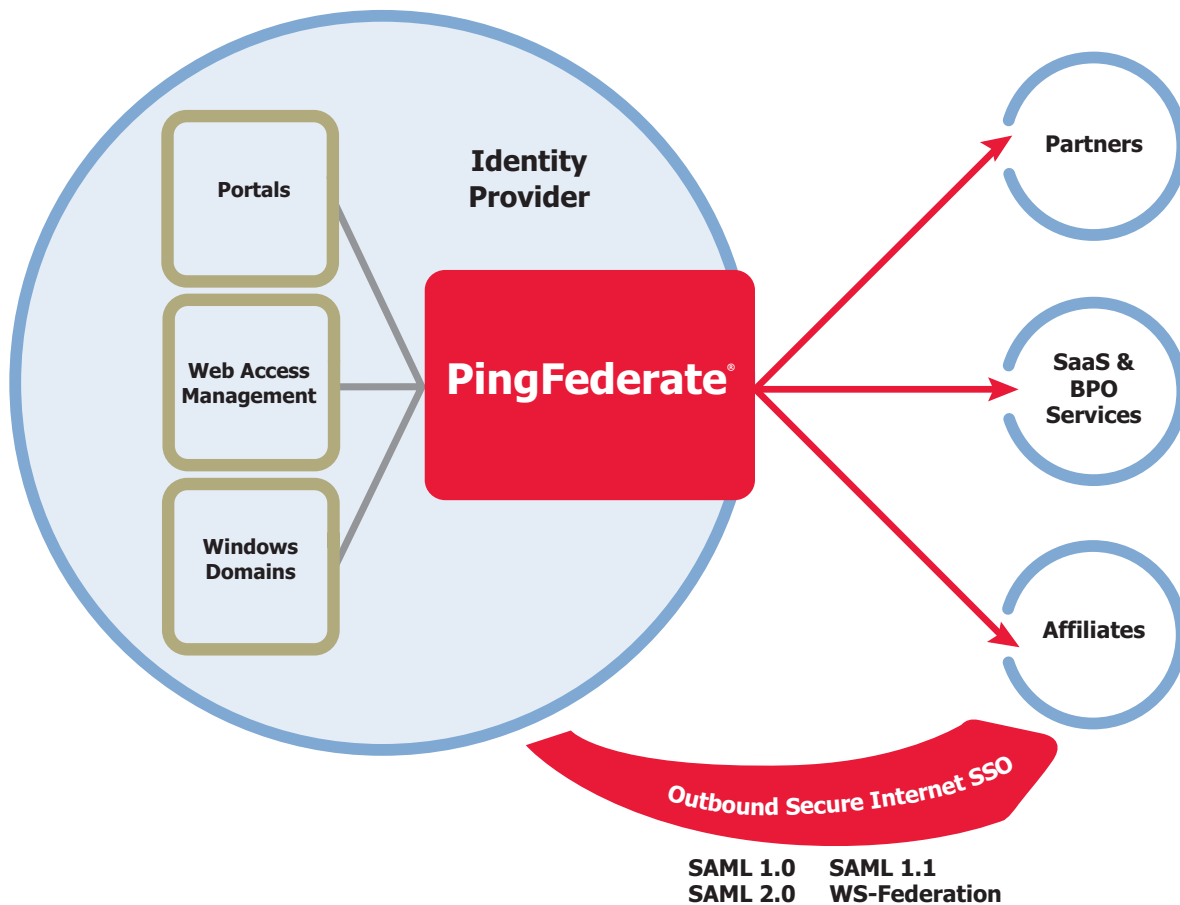
PingFederate is the only standalone federated identity management software to deliver secure Internet SSO for all external partner connections while working with your existing identity infrastructure. It gives your organization's users safe access to Internet applications without the need to login again. Through standards based identity federation, PingFederate eliminates the need for multiple identity credentials in redundant directories, manual user provisioning and time-consuming proprietary SSO implementations that previously burdened organizations tasked with supporting external applications.



PingFederate gives your users direct access to Internet-based applications without requiring them to login again.

"With PingFederate, we can provide expanded information sharing and collaboration while allowing our partners to keep their current infrastructure investments intact."

Larry Maloney
 Senior Project Manager
 RISS Trusted Credential Project



PingFederate provides everything you need to get your federated identity connections for secure Internet SSO up and running quickly. Off-the-shelf integration kits and multi-protocol support ensure PingFederate can meet your Internet SSO requirements.

- **Success for IT.** While federated identity projects have a reputation for being lengthy, PingFederate customers often go live in 30 days or less. Once they are up and running, they add additional partner connections in just a few days. Few other products offer IT such a rapid and highly visible win with their end users.
- **Secure for the Organization.** Since organizations are no longer isolated, external connections must be secure to protect users, the enterprise and service providers. PingFederate centralizes security credentials and identity traffic while reducing sharing and reuse of usernames and passwords. Unlike proprietary SSO implementations that offer questionable security, PingFederate utilizes industry standard federated identity protocols designed by leading security experts.
- **Loved by Users.** Users are demanding direct access to external resources; they do not want the hassle of maintaining numerous usernames and passwords. With PingFederate, users can have direct access to all of their external resources without the need to login again. Consequently, they maximize their productivity while eliminating helpdesk password reset requests.

PingFederate Features: The Details

Federated Identity System Configuration. From PingFederate's centralized administration console, administrators can create and manage multiple partner connections that deliver identity provider and service provider initiated SSO, as well as single logout. Unlike with other approaches, there is no need to bring in a developer to build custom code for each connection.

Multi-Protocol Support. PingFederate includes support for an array of standards including SAML 1.0, SAML 1.1, SAML 2.0 and WS-Federation. As a result, you avoid the problem of having to force all your external partners to use the same federated identity protocol.

First-Mile Integration. For identity providers (IdPs), PingFederate provides out-of-the box integration kits for your existing identity management infrastructure and authentication mechanism. GUI-based integration configuration tools require little knowledge of identity federation and work with access management systems including CA SiteMinder and Oracle Access Manager; custom applications written in Java, .Net and PHP; IWA and LDAP-based authentication; and portals including SharePoint and SAP NetWeaver. PingFederate can also be integrated with strong authentication mechanisms such as two-factor authentication, one-time passwords, USB keys, smartcards, X.509 certificates and biometric devices.

Last-Mile Integration. For integration with a service provider's (SP's) target applications, PingFederate provides configurable integration kits for access management systems including CA SiteMinder and Oracle Access Manager; application servers such as BEA WebLogic and IBM WebSphere; portals including SAP NetWeaver and Microsoft SharePoint; Web servers including Apache and Microsoft IIS; and commercial applications such as Citrix Presentation Server. For custom applications, integration kits are available for Java, .Net and PHP.

External Data Look-up. When a SP requires multiple user attributes to establish an Internet SSO session, PingFederate provides external data look-up capabilities from JDBC, LDAP and other resources for inclusion within SAML assertions and attribute queries.

External Partner Connections. With PingFederate, building external partner connections for Internet SSO involves a few steps within the GUI-based administration console. By following the prompts and screens to configure SSO, the connection can be live in just a few hours even for administrators new to identity federation. Or to save extra time, new partner connections can be configured in minutes by replicating and migrating existing connections. IT engineers can copy connection configurations between servers and move configurations from test to production environments without the need to recreate them from scratch.

SaaS Provisioning. PingFederate's SaaS Provisioning completely eliminates manual provisioning of user accounts at SaaS providers such as Salesforce.com and Google Apps. It works with your existing identity infrastructure, replicating account creations, changes and deletions to your SaaS providers' directories as your administrator makes those account changes in your corporate directory.

Express Provisioning. PingFederate's Express Provisioning creates accounts for users when they first attempt SAML-based SSO into a service provider's application. It creates accounts on-the-fly in the SP's

"Ping Identity's latest product helps IT navigate the minefield of federation management and multiple standards."

Sally Hudson, Allan Carey and
Rose Ryan
IDC

directory by using attributes contained in the SAML assertion. As a result, it eliminates the need to implement a separate process to pre-provision users at the SP.

SaaS Connectors. With the growth of SaaS, PingFederate offers SaaS connectors for leading SaaS providers including Salesforce.com and Google Apps. These Connectors include Quick Connection templates to simplify connection setup with pre-populated connection settings, user/account provisioning parameters, and SSO endpoint parameters. They also implement SaaS Provisioning to eliminate manual account setup for these applications. Finally, they allow PingFederate to SSO-enable the numerous means your users employ to access their SaaS applications: desktop browsers, mobile device browsers, and even rich client applications such as Outlook email plug-ins.

Auto-Connect™. Auto-Connect automatically creates a trusted SAML connection without manual administrative configuration and testing. Controlled by a white listing mechanism, Auto-Connect within a SP automatically discovers a user's identity provider when they attempt to gain access to an application, exchanges the necessary metadata with the user's IdP to create a working SAML connection, and immediately gives the user SSO access.

Certificate Management. PingFederate eliminates manual PKI certificate management with command-line utilities by incorporating a full-featured, GUI-based certificate management capability. In addition, PingFederate provides automatic notifications to the administrator when certificates are about to expire.

Web Services. PingFederate's Web Services module allows organizations wanting to extend their browser-based Internet SSO architecture to incorporate Web services and Service-Oriented Architectures (SOAs). It acts as a WS-Trust Security Token Service (STS), creating and validating security tokens that get bound into SOAP messages to carry user identity information in a standards-based manner.

Data Center Readiness and Management. PingFederate provides self-contained clustering that delivers failover and performance scalability, even for geographically distributed data centers. Runtime reporting provides integration with data center management tools via SNMP and Java Management Extensions (JMX) for up-to-the-second monitoring of system performance. And if FIPS 140-2 compliance is a requirement, PingFederate can be configured to interact with the SafeNet Luna SA Hardware Security Module (HSM) for key generation, storage, and operation.

PingEnable. As good as PingFederate is, it only represents half of a complete Internet SSO solution. The other half is PingEnable, Ping Identity's family of federated identity implementation services, support services, expert methodologies and training. Whether you are implementing your first SAML proof-of-concept or your 100th connection, PingEnable can reduce your project risk and make you more successful.

About Ping Identity

Ping Identity's dedication to delivering secure Internet single sign-on software and services for over 300 customers worldwide has earned us recognition as the market leader in federated identity management. PingFederate®, the world's first rapidly deployable identity federation software, provides an organization's users safe access to Internet applications without the need to login again. Try PingFederate for free at www.pingidentity.com. For more information, dial toll-free 877.898.2905 or + 1.303.468.2882, or email sales@pingidentity.com.

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Standards & Platforms

Supported Standards:

- SAML 1.0
- SAML 1.1
- SAML 2.0
- WS-Federation

Supported Platforms:

- Red Hat Enterprise Linux
- SUSE Linux Enterprise
- Solaris 10
- Windows 2003 Server*
- Windows 2008 Server
- Windows XP Professional*
- *Supports VMWare

Supported Browsers:

- Internet Explorer v7.0
- Firefox v2.0

Minimum System Requirements:

- Intel Pentium 4, 1.8 GHz processor
- 1 GB RAM
- 250 MB free hard drive space