

Client

A leading provider of federated identity and Web single sign-on software

Industry

Computer Software

Business Challenge

A leader in Internet Identity Management technologies needed to develop a standalone application that implements a Security Token Service to extend Identity Management to web services.

To facilitate development and accelerate time-to-market the client sought a partner who could seamlessly integrate with its core development team and support standard processes based on the agile approach. The client was looking for a partner who would co-development the solution from step one.

Luxoft was chosen for its ability to provide a highly qualified team ready to work as an extension of the client's product development and testing teams.

Solution

Collaborating closely with the client, the Luxoft team helped architect, design and develop the standalone Security Token Server - PingTrust. The solution creates and validates security tokens that are bound into SOAP messages compatible with the Web Services Security (WSS) standard. The result brings standards-based, trusted, user identity to Web Services and Service-Oriented Architectures (SOAs).

PingTrust builds on two open security standards that set the stage for true interoperability and a solution that scales. OASIS Web Services Security 1.0 (formerly WS-Security) enables the embedding of security tokens in SOAP messages, while WS-Trust establishes a mechanism for obtaining and validating tokens

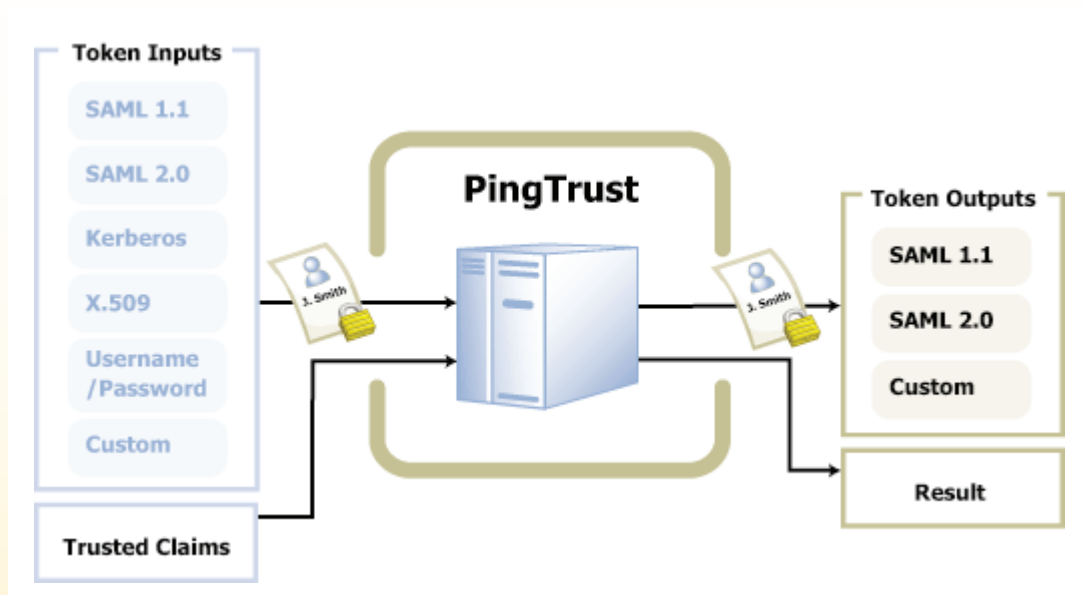
Project Facts:

- Functional area
Identity Management
- Business criticality
High
Domain skills
Java, .NET
SOAs
WS-Security
SAML 1.1 and SAML 2.0
Kerberos
- User profile
Enterprise
- System geography
Worldwide
- Number of users
N.A.
- Relationships status
Ongoing; new release
- Team size
Development team – 10
- Duration

from a Security Token Service (STS). PingTrust supports both .NET and Java applications, and Web-based and rich clients. PingTrust can operate on the Web Services Client-side, Provider-side, or on both sides of a Web Service transaction.

PingTrust is a lightweight, standalone, modular product that:

- Provides out-of-the-box support for several token types including SAML 1.1 and SAML 2.0, x.509, Kerberos and username/password, and is extensible to support custom tokens
- Provides a Web-based console for 100% GUI configuration
- Moves identity-related security and cryptography code out of applications by consolidating token security token processing into a centralized, shared server
- Aggregates trust management to dramatically simplify administration
- Does not require a heavyweight identity management system



Benefits

- By supporting WS-Trust, PingTrust provides a Security Token Service that can participate in the Identity Metasystem.
- PingTrust enables identity information to be exchanged using industry standard Web services regardless of the underlying platforms.

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