

# The Gluu Server

for Mission Critical Authorization & Authentication



## Overview

The Gluu Server is a free and open source access management tool written primarily in java and python. The Gluu Server combines best-of-breed open source identity and access management software with easy administration, and is engineered to support robust enterprise requirements for uptime and availability.

The Gluu Server is like a router for authentication and authorization. It speaks multiple dialects of single sign-on (SSO), and can help an organization manage both inbound and outbound authentication and authorization requirements.

## Open Source

When we started Gluu, our mission was to create an open source access management utility that enabled more organizations to deliver a better authentication and authorization service. The Gluu Server can include multiple open source components. Each fulfills a different requirement, and can be deployed as needed based on an organization's unique requirements.

## Single Sign-On (SSO)

The Gluu Server stack includes both a SAML and OpenID Connect Identity Provider which can be configured for single sign-on to any SAML 2.0 or OpenID Connect protected application.

## Strong Authentication

Through the use of custom interception scripts, your organization can easily incorporate complicated logic into the authentication process such as location, time of day, and network, to not only secure applications, but configure organization wide policies that ensure a more secure user experience during login.

Often times the device and context of the authentication drive the type of strong authentication that is needed. Gluu's flexible authentication architecture allows your organization to simultaneously implement any home-grown or third-party authentication solution with correlating policy to implement each mechanism as appropriate for the specified situation.

## Quick Facts

- Fully certified OpenID Connect implementation
- Industry leading UMA implementation, a new profile of OAuth 2.0 for access management.
- Compliant with all major regulatory restrictions.
- 100% open source software

## Trusted by security conscious organizations worldwide



## Access Management

Using UMA, a new profile of OAuth 2.0, your organization can secure access to APIs and other web resources in a standardized, inter-operable way. Previous access management solutions were based on proprietary software and processes. UMA defines RESTful, JSON-based, standardized flows and constructs for coordinating the protection of any API or web resource.

## Identity Management

To keep the Gluu Server up-to-date with the latest user information (a.k.a. attributes or claims), your organization can either "push" or "pull" identity data. In the "pull" mode, called Cache Refresh, the Gluu Server uses an existing LDAP identity source like Microsoft Active Directory as the authoritative source of identity information. If you "push" identities to the Gluu Server, you can use the JSON/REST SCIM 1.1 or 2.0 API. Local user management can also be performed inside the Gluu Server management interface.

## Hosting

The Gluu Server should be deployed on a physical server or virtual machine with sufficient memory and CPU to accomplish the required average load and peak demand. At a minimum, this should be 6GB of RAM, 2 CPU units and 30GB of disk space.

## Support

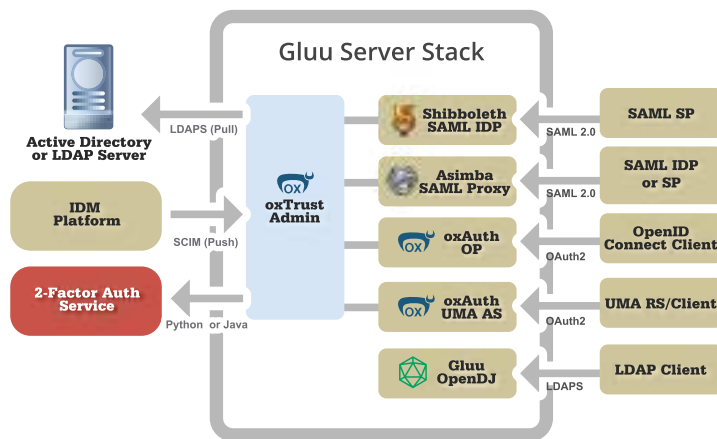
Gluu provides community and enterprise support on its open source stack of software. Gluu can be engaged for small, tactical projects related to the server, but most often a certified partner is referred to handle all custom services, such as application integrations, design customizations, and deployment services. Gluu will help assess project requirements and can make a partner referral based on the services needed and location of the client.



## High Availability

For organizations with critical uptime needs, multiple instances of the Gluu Server can be clustered to deliver a highly available authentication and authorization service. Clustered deployments are more complicated and typically require an integration partner.

## Gluu Server Stack



Each component of the Server fulfills a different requirement, and can be included or excluded in an individual deployment based on an organization's unique requirements.

- **Shibboleth** is one of the most dependable open source SAML single sign-on servers available.
- **Asimba SAML Proxy** enables an organization to consolidate inbound SAML authentication from the IDPs of partners to a website or app.
- **oxAuth** is Gluu's inter-op leading OpenID Connect IDP and industry leading UMA Authorization Server (AS).
- **Gluu OpenDJ LDAP** is our compiled and supported version of OpenDJ that provides persistence for the Gluu Server.
- **oxTrust** is the server administration application. In oxTrust, SAML & OpenID Connect single sign-on can be configured and policies can be scripted to enforce custom workflows relating to your access management service.