Omada Identity Spotlight: Connectivity Framework

Rethinking Connectivity for
Modern Identity Governance

The widespread adoption of cloud-based SaaS applications is reshaping IT, posing new challenges in user access management, security, and compliance. According to recent reports, the average enterprise now utilizes 130 or more SaaS applications 1, increasing the risk of identity-related attacks. To effectively address these issues, a modern Identity Governance and Administration (IGA) solution including a comprehensive connectivity framework is essential as reported in our recent State of Identity Governance report.

130 The number of SaaS applications in the average enterprise *

95% Of senior IT and security leaders report grave concerns about identity-related threats **

Traditional IGA approaches face significant challenges in adapting to the ever-changing SaaS ecosystem, often relying on customized code development to establish connectivity. This evolving environment underscores the necessity for a more modern approach, necessitating the adoption of a comprehensive connectivity framework that integrates security, risk management, auditing, and compliance tools.

Flexible and Futureproof Identity Governance

To effectively address these challenges, organizations require a versatile, modern IGA solution that is equipped with a comprehensive connectivity framework. This framework empowers organizations to easily integrate with a wide variety of applications, regardless of where they are deployed. This flexibility ensures that businesses can readily adapt their IT infrastructure to evolving business needs.

The Omada Configurable Connectivity Framework

Recognizing the growing demand for effortless SaaS integration, Omada created the Omada Configurable Connectivity Framework. Our framework, built on a modern IGA architecture, facilitates template-driven connectivity, eliminating the need for custom development. Our extensive library of templates offers integrations with hundreds of applications and services, enabling rapid implementation and seamless integration with the tools that drive the business. Lastly, our configurable framework is the backbone for establishing connectivity and governance across the identity fabric making it possible to have a best-of-breed solution that fully interoperates across IAM infrastructure.

We've categorized integrations into four key areas:

- **Connectivity Method:** The protocol used to exchange data with the target system.
- **Authentication:** The authentication method used to securely connect to the target system.
- **Data Mapping:** How data structures are aligned between your target system and Omada Identity Cloud.
- **Data Flow:** Whether information is sent one-way or synced bi-directionally.

This modular approach has allowed us to develop a template-based solution. This means new connections can be configured without custom coding. Omada's codeless connector templates enable rapid configuration and deployment by you, your partners, or Omada consultants. Clear, step-by-step guides ensure a smooth setup process in both Omada Identity Cloud and your target system.

| Select connectivity template | → | Specify connection details | → | Data model mapping | → | Account matching | → | Provisioning |

By selecting the appropriate Omada Connectivity template, users can effortlessly connect to any target application. This eliminates the need for custom coding, saving time and resources. Simply choose the right template and Omada Identity Cloud takes care of the rest. This process enables a smooth integration with your chosen application.

Connectivity Templates

Omada offers a comprehensive suite of connectivity template options, including pre-built templates for widely used protocols and APIs such as SCIM, REST, OData, GraphQL, LDAP, PowerShell, CSV, .NET, SQL, and SOAP. These templates play a pivotal role in streamlining the IGA connectivity process, eliminating the need for manual coding and customizations specific to each system. Once a template is selected for your target system, mapping the data becomes a simple process. Omada's data model ensures consistent data flexibility across different applications. Furthermore, Omada's expression queries empower you to define exactly what data you want to import. This granular control ensures you only bring in the specific data points required for user provisioning and access management, streamlining the onboarding process and reducing storage requirements. To further ensure accuracy, Omada allows you to preview the results of each query before finalizing the import. With these features working together, Omada dramatically expedites the onboarding process, allowing you to onboard apps and systems within minutes without writing a single line of code.

OData and GraphQL APIs built-in

Our OData API support empowers customers to effortlessly read and update identity data, while our GraphQL API seamlessly integrates Omada into existing business processes and workflows, automating manual tasks and boosting efficiency. By eliminating the need for custom code, they not only save valuable time and effort but also enhance the accuracy and consistency of IGA configurations.
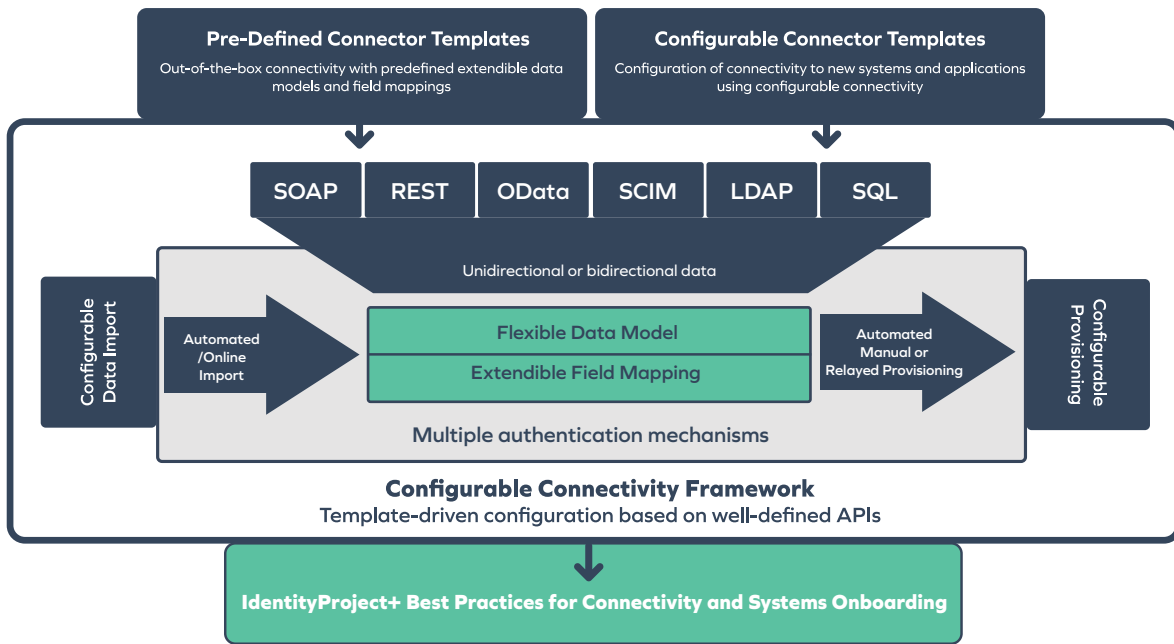
Legacy support

For legacy or proprietary enterprise systems that lack standard API interfaces, Omada provides the Omada SDK, a powerful tool that enables seamless integration with these systems. This flexibility ensures that organizations can connect to their entire IT ecosystem, irrespective of the underlying technology, fostering a truly integrated and efficient identity management approach.

Connectivity directory

The Omada connectivity page classifies connectors by application type (HR, LMS, CSM, etc.) and validation level (Omada Certified or Omada Ready). Omada Certified connectors have a configuration package that has been tested and validated by our product team. Omada Ready connectors require a configuration package to be defined but the application and its API are ready for one to be easily created. Our connector directory includes easy search and filtering options to help administrators quickly locate connectors that suit the needs of the business.

Our strategic partnerships with other industry leaders ensure that our connector portfolio remains aligned with the evolving needs of our customers. A sample of these partnerships is included in the connectivity framework diagram.
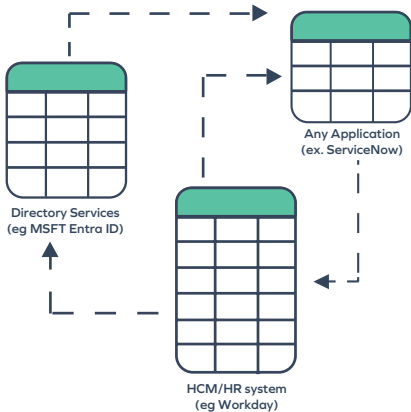
Pre-Defined Connector Templates
Out-of-the-box connectivity with predefined extendible data models and field mappings

Configurable Connector Templates
Configuration of connectivity to new systems and applications using configurable connectivity

| SOAP | REST | OData | SCIM | LDAP | SQL |

Unidirectional or bidirectional data

Configurable Data Import

Automated /Online Import

Flexible Data Model

Extendible Field Mapping

Automated Manual or Relayed Provisioning

Configurable Provisioning

Multiple authentication mechanisms

Configurable Connectivity Framework
Template-driven configuration based on well-defined APIs

IdentityProject+ Best Practices for Connectivity and Systems Onboarding

Agile Identity Management with Omada's Flexible Data Model

As businesses grow, managing the complexities of user roles, application attributes, and connectivity can become a daunting task. Traditional data models struggle to accommodate these changes, leading to siloed data, hindered communication, and a lack of agility. Omada's flexible data model breaks down these barriers, enabling organizations to rapidly integrate new applications and manage user roles with ease. Using this model, multiple attributes can be combined, either fully or partially, to construct values for new attributes that align with specific business processes. This goes beyond simply mapping field data, enabling the ability to tailor identity governance to unique business requirements. Our innovative approach ensures that onboarded applications remain functional and up-to-date, eliminating the need for costly and time-consuming data migrations.

Directory Services
(eg MSFT Entra ID)

Any Application
(ex. ServiceNow)

HCM/HR system
(eg Workday)

Omada's Configurable Connectivity Framework empowers organizations to effortlessly integrate with hundreds of applications, ensuring seamless and secure user provisioning, monitoring, and maintenance. With Omada, organizations can confidently manage their identities in the ever-evolving cloud landscape, ensuring secure and compliant access to critical business applications.

With Omada's flexible data model, a compositive identity is created using multiple systems, which empowers organizations to have multiple accounts per identity across target systems.

Omada