



The complete picture ! Make sure you are in control of the lifecycle of your identities across your enterprise.

OpenIDM

As companies rely more heavily on computerized systems to run the business, companies are experiencing increased difficulty in efficiently managing user identities at each of these three stages of the identity life-cycle. "Identity Life-Cycle Management" is often referred to as on-board and off-boarding of employees; provision and de-provision identities on integrated resources instantly—and if needed automatically as a response to events in the user life-cycle triggered externally from an HR system or other source of authoritative information.

OpenIDM automates user identity life-cycle management in real time, including managing user accounts and access privileges in logical as well as physical applications, over the entire life-cycle. This helps to ensure company policies and regulatory requirements are enforced around the clock to support compliance.

OpenIDM is a fully Identity Management and compliance solution providing the necessary functionality to support provisioning use-cases, audit and reporting capabilities on historical, current and activity type of events.

Using OpenIDM will improve your productivity and security while at the same time lowering costs associated with managing users and their identities, attributes, and credentials. To accommodate this, OpenIDM supports the process of managing information about the identity of users

and control access to company assets, resources and applications, whether its to provide physical or digital access.

The identity life-cycle a user follows, consists of account creation, maintenance, and teardown. A process which typically is referred to as the on-boarding/off-boarding process of new identities.

Account creation consists of giving users the appropriate level of access to resources necessary to do their job as outlined in their job description. Account maintenance consists of keeping user identity information up-to-date and to appropriately adjust levels of access to resources needed to conduct business. Account teardown consists of deactivating the user account when the user is no longer affiliated with the company; which is critical to ensure compliance with regulatory legislations and to protect company information and integrity.

OpenIDM is a fully Open Source community project, built around a modern OSGi based architecture with a RESTful API integrating well with modern as well as legacy technologies. OpenIDM is designed to be flexible allowing customers to tailor the solution to fit their business needs and requirements using hooks where custom Java methods, JavaScripts or Workflow can be invoked. OpenIDM aims at being developer-friendly, lightweight, modular and easy to install yet cover all the enterprise needs.

Functionality

Information Storage and Extendable Data Model

OpenIDM provides a flexible object based model with an underlying storage in an embedded DBMS system, optimized to be scalable, lightweight, secure and transactional. There are no strict pre-defined objects and relations. Almost without any limit now type of objects, attributes and relations can be introduced making it unnecessary for external data management systems.

Embeddable Architecture

Significantly decrease the required implementation period and the unit testing of the framework increase the stability of the customized system.

Password management

OpenIDM provides the necessary capabilities to define and enforce password policies through-out the enterprise as well as intercepting and synchronizing passwords from Microsoft Active Directory and ForgeRock OpenDJ, but also provide reset and retrieval functionalities.

Account Discovery and Reconciliation

OpenIDM offers a scalable method of discovering new, changed or deleted accounts on integrated resources as well as provide the necessary information to offer critical information about orphan accounts etc.

Active and Static Synchronization

In near real time can OpenIDM detect changes in state to objects on resources. This means that a new user created on a resource can trigger an event inside OpenIDM to ensure he gets provisioned correctly with the proper access and entitlements - typically this allows enterprises to automatically drive provisioning activities from Human Resource systems or

other authoritative sources. The synchronization also allows to call out to custom Java methods, workflows or rules.

Flexible Rules with JavaScript

OpenIDM allows for powerful rules to be created using JavaScript. This gives the advantage of easily being able to map and transform identity data as it flows through OpenIDM to the integrated end resources and vice versa.

Audit and Reporting

OpenIDM ensures that proper logging is done on all activities happening inside OpenIDM and offers the capability to provide reports distilled on the specific needs for customers. OpenIDM also provides an Event Publisher which allows third party reporting tools to integrate easily with OpenIDM to extract the necessary reports in well known formats.

Workflow

Every action inside OpenIDM is tied to an event which can trigger custom actions whether they are call-outs to Java methods, JavaScripts or Workflows. External workflows can also trigger events inside OpenIDM using the RESTful API. OpenIDM leverages the full capabilities of BPMN 2.0 compliant workflow engines.

Resource Connectors

OpenIDM leverages the Open Source Identity Connector Framework providing a rich set of mature connectors to a number of systems such as databases, directories and operating systems. The framework is also easily extended with additional connectors to support custom integrations to third party applications. See the Resource connector table for a list of available connectors.

Core features

Features	Description
Account Administration	Basic provisioning against integrated resources. Create, Rename/Read, Update and Delete.
Account Discovery	Discover account states on integrated resources and detect e.g. orphan accounts.
Synchronization	Synchronize Identity data across a heterogeneous environment.
Password Management	Define and enforce password policies, propagate and synchronize password.
Workflow	Ability to interact with and define provisioning processes using BPMN 2.0 Workflow engine.
Logging, Audit and Reporting	Keep track of and provide the ability to extract valuable audit trails, reports and information.

Resource Connectors

Connector	Description
Active Directory	ADSI based connector for provisioning to Microsoft AD.
CA Unidesk	Provision users to CA Unidesk HelpDesk system.
Database Table	Provisioning to single database table or view.
DB2	Provision users in IBM DB2 databases.
Exchange	Manage mailboxes and users of Microsoft Exchange.
Flat File Active Sync	Detect changes in CSV files.
Google Apps	Account management in Google Apps.
LDAP	Manage users and resource objects in LDAPv3 compliant directories.
MS SQL User	Provision users in Microsoft SQL Server.
MySQLUser	Provision users in MySQL.
Oracle	Provision users in Oracle RDBMS.
RACF	Account administration with IBM RACF.
Scripted SQL	Generic and flexible scriptable connector for provisioning to databases.
Solaris	Account and group administration in Solaris
SPMLv2	Integrate and support provisioning with SPMLv2 complaint services and applications.
Tivoli Access Manager	Create and manage users in IBM Tivoli Access Manager.
VMS	Account Administration in HP OpenVMS.
Web TimeSheet	Account administration and provisioning with Web TimeSheet.
XML File	Integrate and support provisioning with XML based resource files.

History of OpenIDM

OpenIDM is a Open Source community project initiated and hosted by ForgeRock and built around a modern OSGi based architecture with a RESTful API integrating well with modern as well as legacy technologies. OpenIDM is designed to be flexible allowing customers to tailor the solution to fit their business needs and requirements using hooks where custom Java methods, JavaScripts or Workflow can be invoked. OpenIDM aims at being developer-friendly, lightweight, modular and easy to install yet cover all the enterprise needs.

About ForgeRock

A global company with bases in the UK, USA and Norway, ForgeRock is committed to continuity of innovation and service for the existing and new open source interaction, identity, and integration software found within the I3 platform. ForgeRock provides customers with enterprise-class subscriptions for the platform as well as training and access to an extensive partner community.

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