

MidPoint 3.3.1

Practical open-source Identity Management

MidPoint is an open-source implementation of one of the most important parts of any identity and access management (IAM) deployment: provisioning system. MidPoint integrates and aligns identity information in various databases, directories and applications. The design of midPoint focuses on efficient deployment and easy operation of the system, resulting in a low TCO of a complete identity management solution.

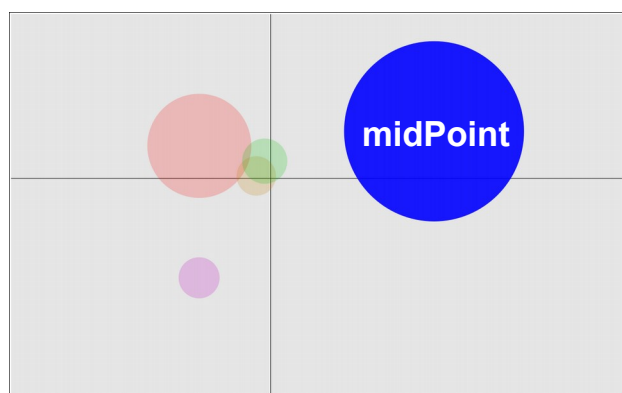
Next generation: midPoint is a second-generation IDM product. The first-generation products of 2000s were cumbersome and very expensive. MidPoint is different. It is built on state-of-the-art technology. But midPoint is more than just technology. MidPoint is designed to be practical, efficient and affordable. It is built to support incremental and iterative IAM programs.

Open system: midPoint is open in all aspects. It is completely developed in the public sight. The source code, documentation and all other aspects of product development is public. Only open protocols and platforms are used. But, most importantly, midPoint is *open to use by anyone and for any purpose* at no charge (as long as it complies with Apache license).

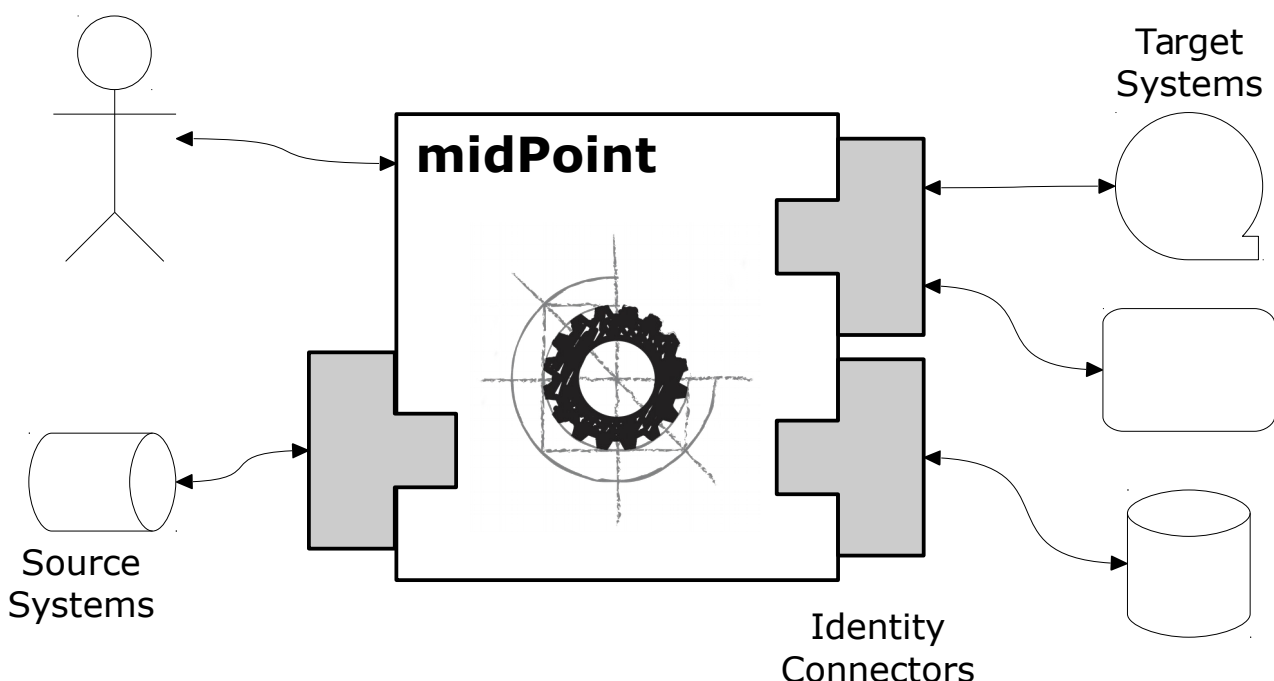
Efficient common case: midPoint supports common scenarios as efficiently as possible. Setup of common configurations is a matter of minutes or hours. It usually requires just a few clicks and expressions, not coding. This approach allows engineer to focus on specifics of a deployment instead of re-doing the same thing again and again for each deployment.

Extensible as needed: The less common scenarios can be supported by extending the system using a code. This may be Groovy or JavaScript, Java code, executing a process, calling external web services and so on.

Best-of-the-breed: midPoint is the number one in open source identity management. It has the richest feature set and it is also the largest project among all the competitors. MidPoint has more source code lines than its two other competitors combined.



Beyond Traditional Identity Management: midPoint can manage the identities of employees, contractors, partners, temporary workers, students, customers, volunteers, citizens and actually any other type of identity. It can also manage and synchronize organizational structure. But midPoint goes even further. It can dynamically manage and synchronize also identity-related objects such projects, ad-hoc teams, groups and so on.





Features

- Common identity data model
- Provisioning of accounts, groups, organizational units, projects, roles, etc.
- Almost-real-time synchronization
- Reconciliation
- Advanced Role-Based Access Control (RBAC)
- Hierarchical and parametric roles
- Meta-roles
- Entitlement provisioning
- Scripting support (Groovy, JavaScript, Python)
- Fine-grained authorization
- Delegated administration
- Custom schema extensibility
- Object templates used to implement flexible policies (e.g. RB-RBAC)
- Time constraints (temporary privilege assignments)
- Flexible attribute mapping
- Fine control over account activation (enable/disable)
- Seamless support for time-based mappings
- Password policies
- Scripting hooks
- IDM libraries for scripting languages
- Bulk actions
- Dynamic user interface
- Customizable look and feel
- Localization support
- Optimized logging and error reporting
- Provisioning consistency
- Provisioning dependencies
- Provisioning iterations
- Account protection
- Lookup table support
- Partial multi-tenancy support
- Segregation of Duties
- Auditing
- Reporting
- Workflow
- Password recovery
- Notifications
- Web service API (SOAP/WSDL)
- REST API
- Documentation
- High availability
- Scalability

Technical Specification

Version	MidPoint 3.3.1
Platform	Java 7, Java 8
Supported containers	Apache Tomcat 6.x, 7.x, 8.x Sun/Oracle Glassfish 3.1 BEA/Oracle WebLogic 12c
Supported datastores	H2 (embedded) PostgreSQL MySQL Oracle 11g Microsoft SQL
Default workflow engine	Activiti
GUI Framework	Apache Wicket
External interfaces	SOAP/WSDL REST
Data representation	Prism Objects, reflected to XML
Connector framework	ConnId (Evolveum Polygon, OpenICF)
Application framework	Spring
Expression languages	Groovy Python JavaScript

Connectors

LDAP (OpenLDAP, OpenDJ, 389ds, ODSEE, eDirectory, AD, ...)	
Microsoft Active Directory and Exchange	
Database Table (Oracle, MySQL, PostgreSQL, DB2, ...)	
Scripted SQL	GitLab
DB2	SAP
MySQL	Office365
Oracle	FreeIPA
RACF	Google Apps
Solaris / Linux	SPML
LifeRay	CSV File
and any other Polygon, ConnId or OpenICF connector	

