

Evolveum

MidPoint 4.8

Katarína Bolemant
Development Team Leader

MidPoint 4.8 “Currie”

- > Planned for October 17th 2023
 - > Feature Freeze – September 5th
 - > Release Candidate 1 – September 20th
 - > Release Candidate 2 – October 4th
- > LTS release with a 3 year support
- > Repository
 - > Native implementation – PostgreSQL recommended
 - > Deprecated support for generic DB – Oracle, Microsoft SQL
 - > Removed support for generic DB - PostgreSQL



A Plan for 4.8 “Currie”

- > Streamline upgrades
- > Security improvements
 - > Improvements for performance related to authorizations
 - > Improvements for authorizations for work items, certifications,...
 - > Auto-scanning for vulnerabilities in dependencies
 - > Expression profiles, script pre-authorizations
- > Role mining
- > First steps
- > Dependencies upgrades



Streamline Upgrades 1/2

- > Objective
 - > Provide a tool for streamline upgrades for small to medium organizations
- > Object validation with running midPoint
- > Schema changes reporting
 - > E.g. deprecations, removals, renames, ...
- > Migration suggestions for schema changes
 - > E.g. element will be renamed, element will be removed, ...
- > Report of all expected migrations



Streamline Upgrades 2/2

- > Automatic data migration
- > Improved progress reporting
 - > Detailed result what was done, status of operation, success/error rate
 - > Provide information about what happened, what's happening, why it's happening
- > Automatic detection for changes in initial objects
- > Automatic connector upgrades
- > DB Schema upgrade
- > > > Only for native repository implementation

Security Improvements

- > Improvements for performance related to authorizations
 - > Improves performance for scripts, reports...
 - > e.g. `midpoint.resolveReferenceIfExists(ref)`, `midpoint.getObjects(oid)`



Security Improvements

- > Improvements for authorizations for work items, certifications, ...
 - > A user can see or complete case work items assigned to him
 - > A user can only see other users' assignments to the roles he is an owner or approver of
 - > A user can only see other user's delegations' assignments
 - > A user can see certification cases related to roles he is an owner or approver of

Security Improvements

- > Auto-scanning for vulnerabilities in dependencies
 - > Maven plugin
 - > Publicly available list of reviewed vulnerabilities
- > Expression profiles, script pre-authorizations
 - > Which scripts can be used in scripts?
 - > Exceptions for scripts when insufficient authorizations
 - > E.g. custom defined actions in GUI, scripts in task template,...



Role Mining

- > Entitlement analysis
 - > How many users are members of a group?
 - > Which groups can be used to define a role?
- > Mining based on application roles
 - > Jaccard index
- > Suggestion of new business role
- > Anonymized export of data for testing the algorithm
 - > Back-ported to ninja to all supported versions



First Steps


- > GUI Improvements aligned with the First Steps Methodology
- > Mainly GUI Improvements regarding resource wizard
- > Possibility to configure mappings in a simple way
- > Support for common use cases, e.g. delayed delete, disable instead of delete

Resource name / Object types / Default account / Activation




Activation configuration


The term activation is used in midPoint to denote a set of properties that describe whether the user is active, therefore please create and configure desired scenarios for activation

Inbound activation ⓘ Outbound activation ⓘ


 **Administrative status** Enabled


Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc ultrices diam non dui efficitur rhoncus. Praesent ut luctus ligula.

 Configuration  Disable  Reset


 **Valid to**


Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc ultrices diam non dui efficitur rhoncus. Praesent ut luctus ligula.

 Enable


 **Valid from**


Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc ultrices diam non dui efficitur rhoncus. Praesent ut luctus ligula.

 Enabling


 **Existence** Not compatible


Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc ultrices diam non dui efficitur rhoncus. Praesent ut luctus ligula.

 Enable




 **Delayed delete**





Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc ultrices diam non dui efficitur rhoncus. Praesent ut luctus ligula.

 Enable

 **Delete on unassign** Error

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc ultrices diam non dui efficitur rhoncus. Praesent ut luctus ligula.

 Configuration  Disable  Reset

 Back  Previous 1 2 3 Next   Save activation

First Steps

- > GUI Improvements aligned with the First Steps Methodology
- > Modernized look and feel of resource details
 - > Listing of accounts
 - > Accounts statistics
 - > Configuration for concrete types of accounts

The screenshot displays the 'Edit resource' interface for 'Confluence #1'. The top navigation bar includes 'Back', 'Edit resource', 'Resource operations', 'Edit raw', 'Delete object', 'Preview changes', and 'Save resource'. The left sidebar shows a navigation menu with 'Details', 'Resource objects', 'MidPoint objects', 'Configuration', 'Schema handling', and 'Defined tasks'. The main content area is divided into several sections:

- Accounts:** A section with a 'Default account' dropdown and a 'Configure' button.
- List of accounts:** A table with columns: Object name, Identifier, Situation, Intent, Owner, and Pending operations. It lists three accounts: Michael Scott (empnum: 1), Pam Beesly (empnum: 2), and Jim Halpert (empnum: 3). Each account is marked as 'Linked' and has a 'Default' situation.
- Statistics:** A donut chart showing the distribution of account statuses: 244 Linked (green), 58 Deleted (red), 2 Unmatched (yellow), 3 Unlinked (orange), 2 Disputed (blue), and 7 Nothing (grey). A 'Metric selection' dropdown is located below the chart.
- Account tasks:** A table with columns: Task name, Category, Last run, Errors, and Status. It lists three tasks: 'HR Import' (Import category, last run 4/20/23, 12:01:48 AM, 0 errors, status green), 'HR Resource #1' (Live-sync category, last run -, 0 errors, status blue), and 'HR Resource #2' (Live-sync category, last run -, 0 errors, status blue).

Thank you for your time

Do you have any **questions**? Feel free to ask!

Follow us on social media or **join us** at GitHub or Gitter!

