

# Evolveum

MidPoint 4.8

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## MidPoint 4.8 “Currie”

- > Planned for October 17<sup>th</sup> 2023
  - > Feature Freeze – September 5<sup>th</sup>
  - > Release Candidate 1 – September 20<sup>th</sup>
  - > Release Candidate 2 – October 4<sup>th</sup>
- > 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.resolveReferencelfExists(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


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 Configuration  Disable  Reset


 **Valid to**


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 Enable


 **Valid from**


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 Enabling


 **Existence** Not compatible


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 Enable




 **Delayed delete**





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 Enable

 **Delete on unassign** Error

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 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 main content area is divided into several sections:

- Accounts:** A table listing accounts with columns for Object name, Identifier, Situation, Intent, Owner, and Pending operations. The table shows three accounts: Michael Scott (empnum: 1), Pam Beesly (empnum: 2), and Jim Halpert (empnum: 3). All are in a 'Linked' 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).
- Account tasks:** A table listing tasks with columns for Task name, Category, Last run, Errors, and Status. It shows tasks like 'HR Import', 'HR Resource #1', and 'HR Resource #2'.

The interface also includes a sidebar with navigation options like 'Details', 'Resource objects', 'MidPoint objects', 'Configuration', 'Schema handling', and 'Defined tasks'.

# Thank you for your time

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

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