

Evolveum

MidPoint 4.8

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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,...



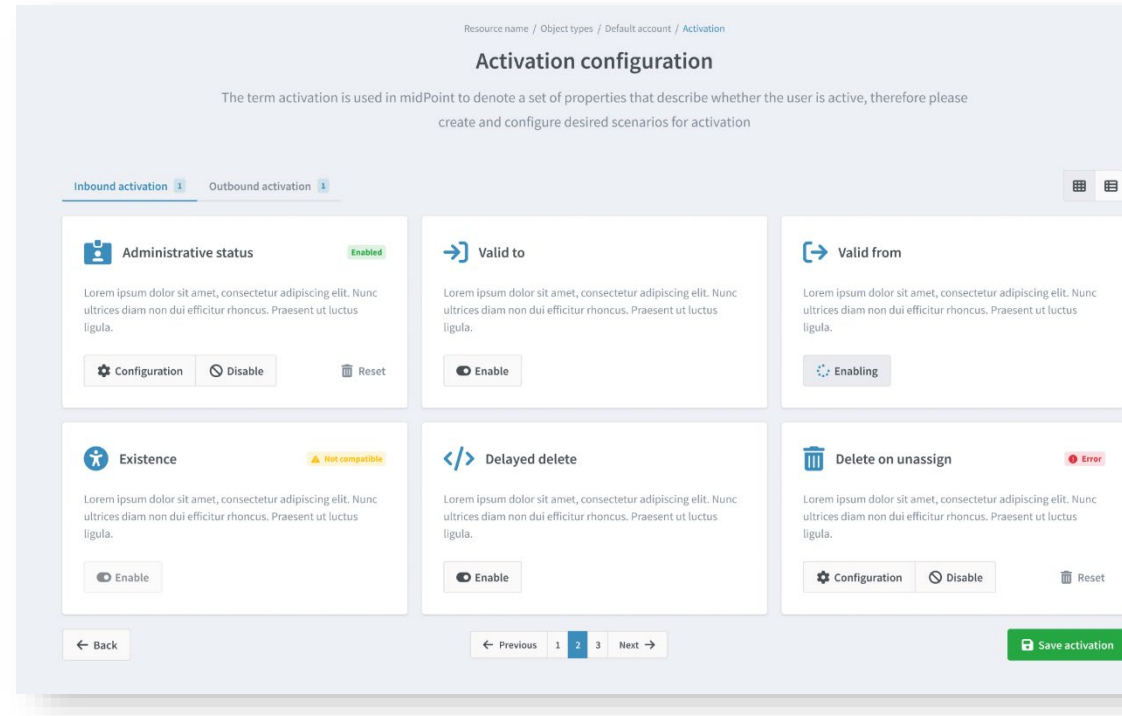
Role Mining

- > 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



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 interface is modern and organized, featuring a sidebar with navigation options: Details, Resource objects (selected), MidPoint objects, Configuration, Schema handling, and Defined tasks. 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 (purple), 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'.

At the top right, there are buttons for 'Delete object', 'Preview changes', and 'Save resource'. The interface also includes search and filter options for the accounts table.

Thank you for your time

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

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