

What's New in MidPoint 4.7

Agenda

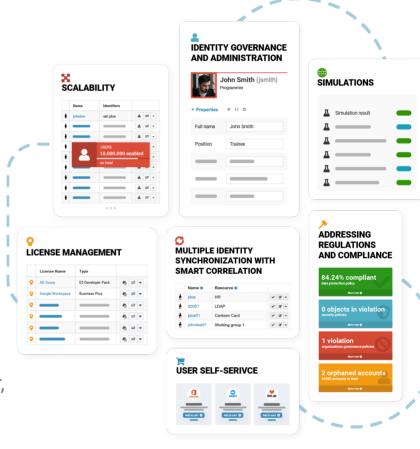
- What's new in 4.7
- Deprecations, Removals
- Platforms
- Plans for 4.8





MidPoint - News

- Feature release (1 year support)
- Major features
 - Simulations
 - Object Marks
 - IGA Reporting
 - Password Reset
- A lot of small features and improvements
 - Different UX Improvements, Role wizard, Delta viewer, Security policy merging...





Simulations

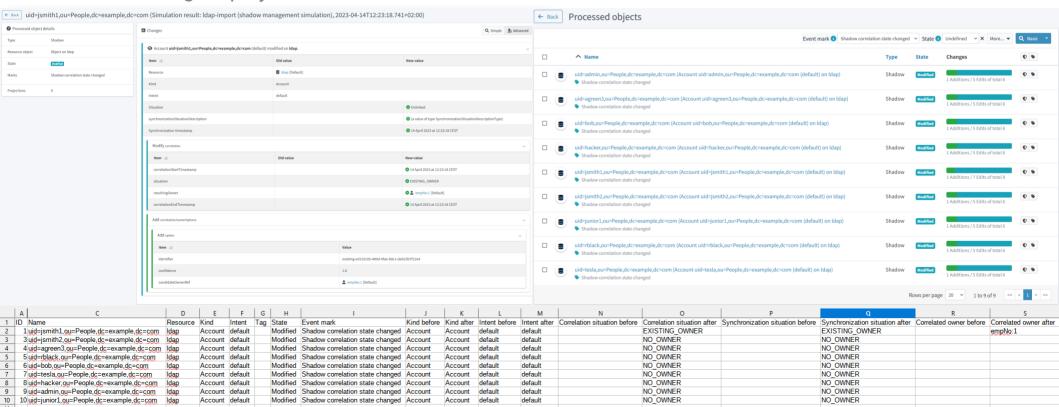
- Predict what would happen if ...
 - ... the full reconciliation run.
- Avoid unnecessary data corruption.
- Analyze quality of data.
- Understand processes better.
- See the impact of the single change.
- Build a trust with customer.





Simulating Correlation

- Simple correlation rule
 - using employee number



Simulating Correlation

Improving correlation

Resource Kind

Intent

Account default

Tag State

Modified

Modified

Modified

Modified

Event mark

Modified Shadow correlation state changed Account

Shadow correlation state changed Account

Modified Shadow correlation state changed

Kind before Kind after

Account

default

default

NO OWNER

1 ID Name

7 uid=ismith1,ou=People,dc=example,dc=com

8 uid=jsmith2,ou=People,dc=example,dc=com

5 13 uid=rblack, ou=People, dc=example, dc=com

18 uid=tesla,ou=People,dc=example,dc=com

19 uid=hacker,ou=People,dc=example,dc=com

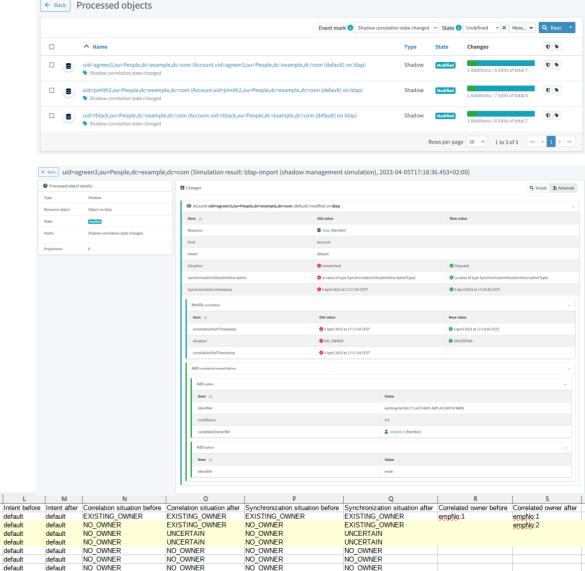
20 uid=admin.ou=People.dc=example.dc=com

10 21 uid=junior1,ou=People,dc=example,dc=com

6 17 uid=bob.ou=People.dc=example.dc=com

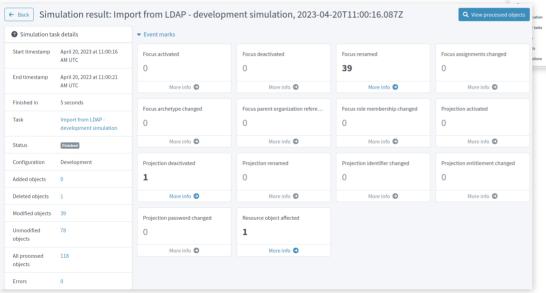
10 uid=agreen3,ou=People,dc=example,dc=com Idap

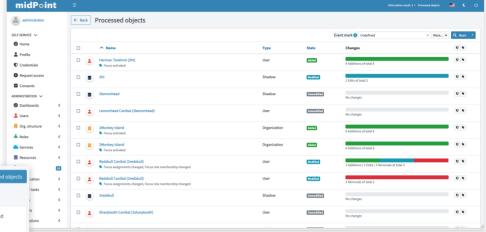
- matching by emailAddress
- matching by name



Simulating Reconciliation

- How many users will be changed?
- How many users will be activated?

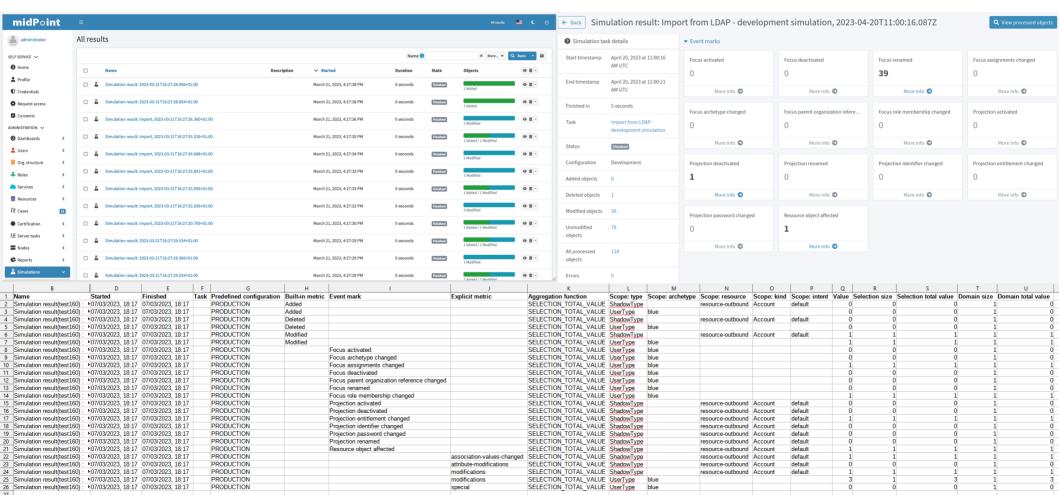




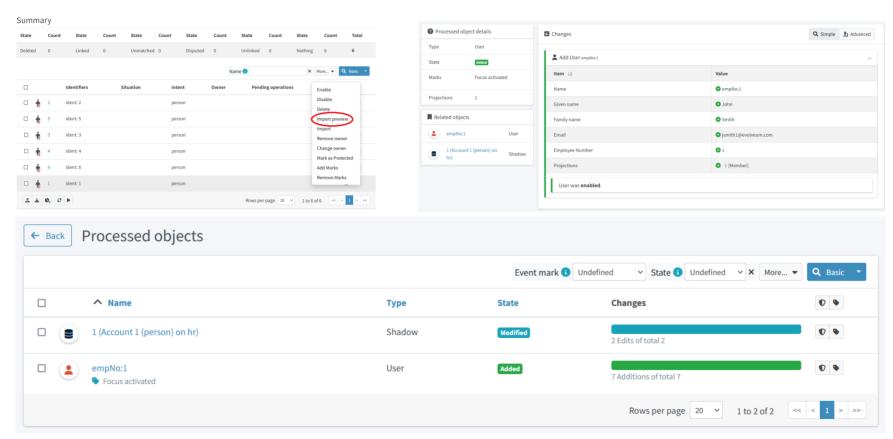
- How many accounts will be deactivated?
- How many accounts will be renamed?



Simulations GUI and Reports



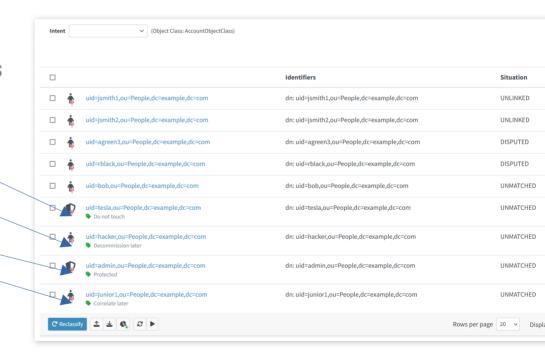
Single Import Preview





Object Marks

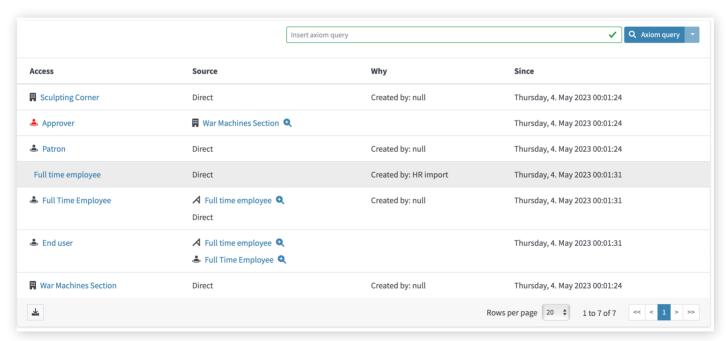
- Mechanism how to say that the objects
 - should not be touched
 - will be decommissioned later
 - are protected
 - should be correlated later
 - have invalid data





IGA Reporting

- Who has access to What and Why?
- All Accesses panel in user's details





IGA Reporting

- Who has access to What and Why?
- Configurable report

User	Name	Туре	Relation	Path	Parent	Valid to	Since	Source
administrator	Superuser	System role	default	Superuser	Direct		5/4/23, 12:01 AM	Initialization
borgia	End user		default	End user	Direct		5/4/23, 12:01 AM	Initialization
borgia	End user		default	Council of Patrons -> End user	Council of Patrons		5/4/23, 12:01 AM	Initialization
borgia	Approver	System role	default	Council of Patrons -> Approver	Council of Patrons		5/4/23, 12:01 AM	Initialization
borgia	Reviewer	System role	default	Council of Patrons -> Reviewer	Council of Patrons		5/4/23, 12:01 AM	Initialization
borgia	Council of Patrons		default	Council of Patrons	Direct		5/4/23, 12:01 AM	Initialization
donatello	RETIRED		default	RETIRED	Direct		5/4/23, 12:01 AM	Import
francis	End user		default	Council of Patrons -> End user	Council of Patrons		5/4/23, 12:01 AM	Initialization
francis	Approver	System role	default	Council of Patrons -> Approver	Council of Patrons		5/4/23, 12:01 AM	Initialization
francis	Reviewer	System role	default	Council of Patrons -> Reviewer	Council of Patrons		5/4/23, 12:01 AM	Initialization
francis	Council of Patrons		default	Council of Patrons	Direct		5/4/23, 12:01 AM	Initialization
francis	P0002		default	P0002	Direct		5/4/23, 12:01 AM	Initialization
leonardo	End user		default	Full Time Employee -> End user	Full Time Employee		5/4/23, 12:01 AM	Initialization
leonardo	End user		default	FTE -> Full Time Employee -> End user	Full Time Employee		5/4/23, 12:01 AM	Import
leonardo	Approver	System role	default	F0110 -> F0100 -> F0000 -> Approver	F0000		5/4/23, 12:01 AM	Initialization
leonardo	Patron		default	Patron	Direct		5/4/23, 12:01 AM	Initialization
leonardo	Full Time Employee		default	Full Time Employee	Direct		5/4/23, 12:01 AM	Initialization
leonardo	Full Time Employee		default	FTE -> Full Time Employee	FTE		5/4/23, 12:01 AM	Import
leonardo	F0200		default	F0200	Direct		5/4/23, 12:01 AM	Initialization
leonardo	P0001		default	P0001	Direct		5/4/23, 12:01 AM	Initialization
leonardo	FTE		default	FTE	Direct		5/4/23, 12:01 AM	Import
leonardo	F0000		manager	F0000	Direct		5/4/23, 12:01 AM	Initialization
leonardo	F0110		manager	F0110	Direct		5/4/23, 12:01 AM	Initialization
michelangelo	End user		default	FTE -> Full Time Employee -> End user	Full Time Employee		5/4/23, 12:01 AM	Import
michelangelo	End user		default	Full Time Employee -> End user	Full Time Employee		5/4/23, 12:01 AM	Initialization
michelangelo	Approver	System role	default	F0210 -> F0200 -> F0000 -> Approver	F0000		5/4/23, 12:01 AM	Initialization
michelangelo	Patron		default	Patron	Direct		5/4/23, 12:01 AM	Initialization
michelangelo	Full Time Employee		default	FTE -> Full Time Employee	FTE		5/4/23, 12:01 AM	Import
michelangelo	Full Time Employee		default	Full Time Employee	Direct		5/4/23, 12:01 AM	Initialization
michelangelo	F0120		default	F0120	Direct		5/4/23, 12:01 AM	Initialization
michelangelo	FTE		default	FTE	Direct		5/4/23, 12:01 AM	Import
michelangelo	F0210		manager	F0210	Direct		5/4/23, 12:01 AM	Initialization
raphael	CONTRACTOR		default	CONTRACTOR	Direct		5/4/23, 12:01 AM	Import
raphael	Contractor		default	CONTRACTOR -> Contractor	CONTRACTOR		5/4/23, 12:01 AM	Import
raphael	F0110		default	F0110	Direct		5/4/23, 12:01 AM	Initialization
raphael	P0001		default	P0001	Direct		5/4/23, 12:01 AM	Initialization



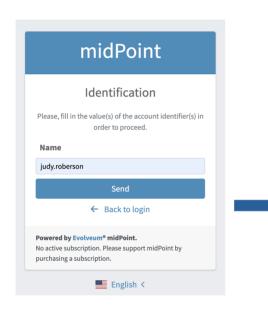
Password Reset

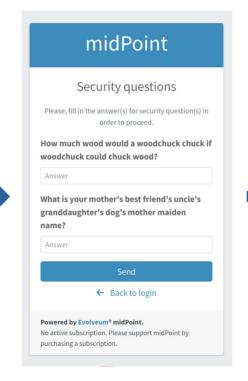
- Different password reset flows for different users
- 3 common steps:
 - Request reset password
 - Verify the user
 - Set the new password
- User verification
 - Guests use security questions
 - Employees use magic link together with the employee number validation

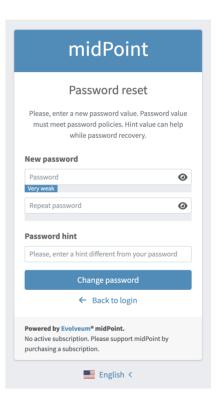




Password Reset - Guest

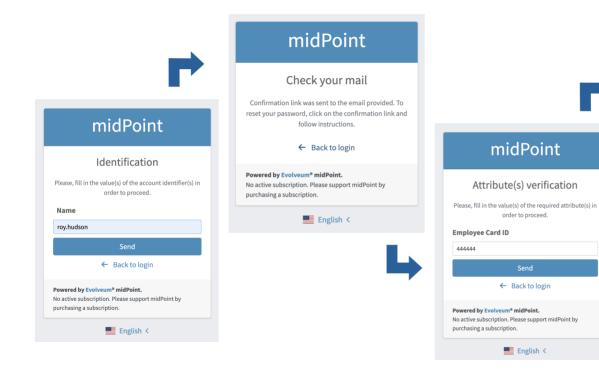


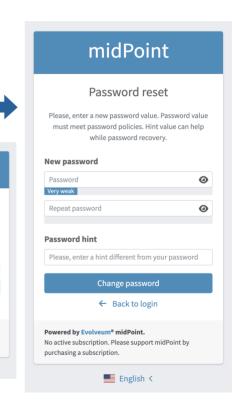






Password Reset - Guest







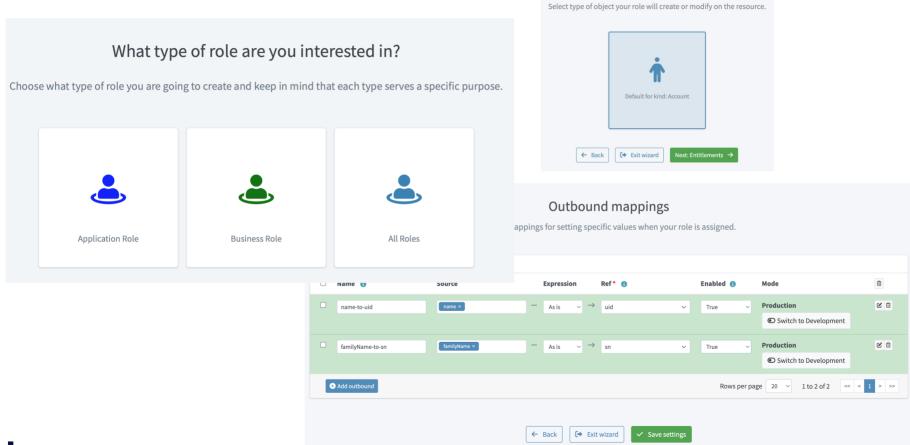
Misc Improvements

- Sub-reports as separated rows
- Value metadata for roleMembershipRef
- Reference search
- New authentication modules
 - focusidentification, attributeVerification, hint
- Automatic skip of modules if data not filled in
- Support for other necessity levels
 - requisite, required, sufficient, optional
- Security policy merging
- Different UX Improvements





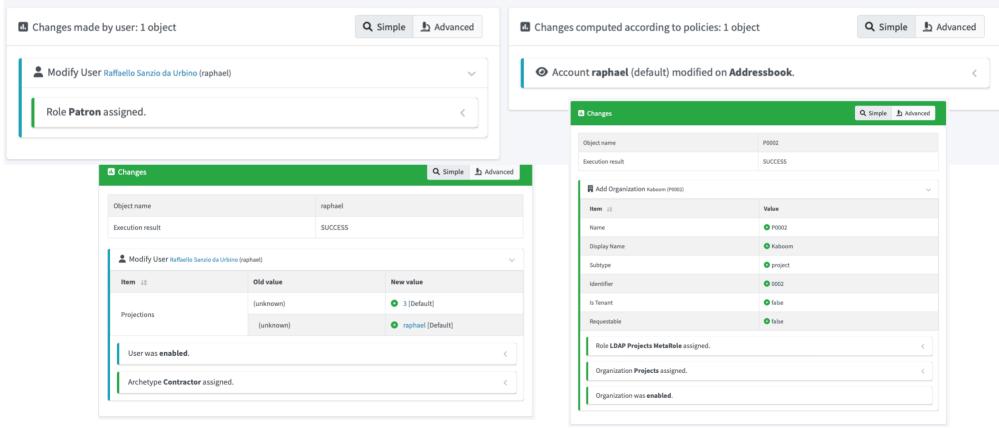
Role Wizard



Select resource object type



Delta Viewer





Deprecations, Removals, Incompatible changes

- Incompatible changes
- ConnId result handlers disabled by default
 - Explicitly enable ConnId result handlers for connectors that need them
- New LDAP Connector
 - Refresh resource schema for AD and LDAP resources
- objectVariableMode set to prismReference now always returns real value (Referencable)
 - Adapt objectVariableMode in your scripts



Platforms

- Linux
 - Production deployments in Windows environments supported only for LTS
- OpenJDK 11 & OpenJDK 17 (recommended)
- Stand-Alone deployment
- Native PostgreSQL (15 and 14) repository implementation recommended
 - Generic implementation (Oracle, MSSQL, PostgreSQL) deprecated





Plans for MidPoint 4.8 "Curie"

- Security
 - Performance improvements
 - Work items and task authorization improvements
 - Expression profiles
 - Automatic scanning for vulnerabilities and security issues
- Role Mining
- Upgrade Tool
- UX improvements (Resource details, Resource Wizard, Role Wizard, ...)





Thank you for attention

If any questions occur, feel free to ask at info@evolveum.com

Also follow us on our social media for further information!











