2nd Annual
MidPoint Community Meetup

Updated MidPoint Deployment Methodology

Evolveum

Funded by the European Union
NextGenerationEU

RECOVERY AND RESILIENCE PLAN

Ivan Noris, May 2026
Expert Identity Engineer

Agenda

- Identity security challenges
- MidPoint deployment methodology
  - For newcomers: Introduction and purpose
  - For veterans: Updates and changes since last year
- Conclusion

When In Doubt… Just Listen

- Some slides are “text-heavy” (for your post-MCM reference)
- No need to read ahead. I’ll read everything… except the images :-)
- Just sit and enjoy the show

This is not “déjà vu“!
If you attended *Workshop: AI Assisted Integration of First Systems with MidPoint*, you *will* recognize some parts.

Identity Security Challenges Without A Complete IGA Solution

> True wisdom is knowing what you don't know.
>
> Confucius

Identity Security Challenges Without A Complete IGA Solution

- "Everyone has *some* identity management or IGA solution" (the devil is in the details)
- Usually, IDM/IGA is *partially* automated for *some* target systems
  - → No overall visibility of *accesses*
  - → Identity data quality is low; mistakes in data and accesses
  - → Orphaned accounts may exist
  - → Manual provisioning takes long time
- Home-grown or unsupported solution
  - → Usually more IDM than IGA
  - → Relying on specific experts' knowledge

> **True wisdom is knowing what you don't know.**
>
> **Confucius**

MidPoint Deployment Challenges Without A Proper Plan

> By failing to prepare,
> you are preparing to fail.
>
> B. Franklin

MidPoint Deployment Challenges Without A Proper Plan

- “How do we replace our current solution with midPoint? Can we replace it in a single day? Can we just ‘turn it *on*’? Business must continue!”

  → Very important consideration, stay tuned!

- Proceeding without a plan *now* may cause significant problems *later*

  → Are you brave enough to make mistakes?

> **By failing to prepare,**
> **you are preparing to fail.**
>
> **B. Franklin**

Motivation: Why Methodology?

- **Full disclosure:** ***this is not the only way of deploying midPoint, but it is the best to start with***
- **Guided approach**: explanation of goals and steps to achieve them
- **Iterative approach**: small steps that deliver the value early on and further refine the solution towards your goal
- We call this methodology “First Steps”
- **Please note**: midPoint 4.11 is a work in progress

First Steps Methodology

> The journey of a thousand miles
> begins with one step.
>
> Lao Tzu

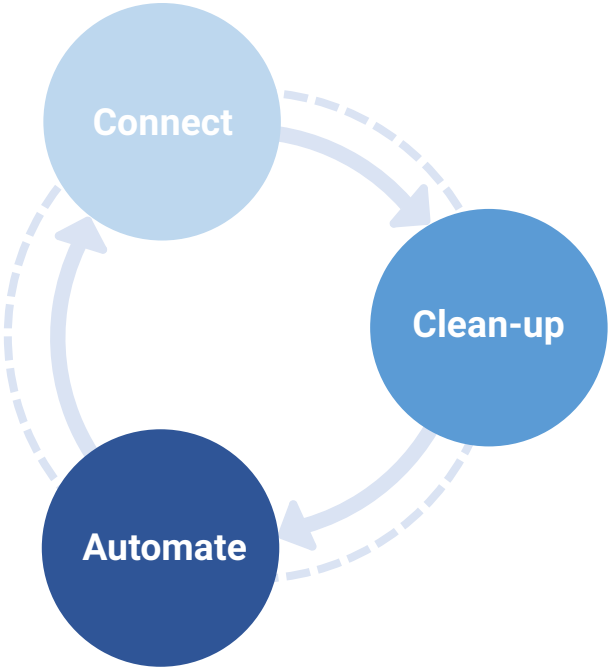
First Steps Methodology

- *Iterative* identity management program (Est. 2023)
- Guides you through the quick midPoint deployment in three steps
- **Connect, Clean-up, Automate**
- Docs: First Steps Methodology (expect updates for midPoint 4.11)

> **“The journey of a thousand miles begins with one step.”**
>
> **Lao Tzu**

First Steps Methodology (2)

- **Connect**: Connect new system(s) to the solution. Read/analyze data
- **Clean-up**: Improve data quality. Correlate, resolve orphaned accounts, identify data errors
- **Automate**: Speed up the processes, improve the efficiency. On-boarding, data updates, off-boarding (JML – Joiners, Movers, Leavers)



How First Steps Methodology Works

- **Goal: start using midPoint** in your organization by connecting your first source and target systems
- **Simple** – GUI wizards, no XML
- **Safe** – prevents unexpected changes or deletions of existing data by using simulations and marks (exceptions)
- Increases **confidence** even with low-quality data
- **Configuration assistants (AI/heuristics)** – enable administrators to focus on data and business requirements rather than midPoint internals

NEW | MIDPILOT

- **MidPilot**: AI-powered assistant designed to accelerate application onboarding into midPoint (generate connector code, recommend attribute mappings and correlations, and more)

How First Steps Methodology Works (2)

- **Complete** – applies to accounts and entitlements alike
- **Flexible** – enables variability in the time and scope of the integration, e.g. multiple account/group/membership types; migrated gradually or at once
  - We will not cover groups/memberships in this presentation
- **Connector-agnostic** – connect systems using built-in or non-built-in connectors
- All the time, it is still: **Connect, clean-up, automate**

First Steps Methodology Overview

1 Plan Your Deployment

Identify data sources, targets, plan resources, timing and money

2 Connect The First Source System (HR)

Connect HR system and preview data

3 Import Source Data

Import data from HR system, create users in midPoint

4 Connect the First Target System

Connect the most important target system and preview data

5 Target System Integration

Correlate existing accounts to midPoint users

6 (Opt.) Import Usernames from Target System

Import usernames from the first target system to midPoint

7 Enable Provisioning to Target System

Configure Target for provisioning from midPoint, first with simulation

8 Automate Integration

Automate Source→Target account provisioning (JML)

9 Override Incorrect Data

Make sure we can override incorrect data from HR if needed

First Steps Methodology Overview

> **Motivational quotes**
> **wear out without screenshots.**
>
> **Ivan Noris**

1. Plan Your Deployment (Kick-off)

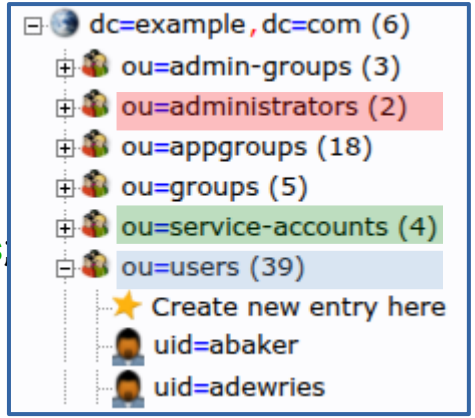
- Gather people in your organization interested in IGA (Senior IT engineer/architect, administrators of critical IT systems, HR, security professional)
- Think in iterations
- Identify data sources and the most important targets
- Discuss security (requirements & wishes, do not overdo it)
- Discuss resources, timing, and rough plan
- Get a green light from your management

1. Plan Your Deployment (Kick-off) – Identify Source and Target Systems

Source system: HRIS export (CSV); employees + contractors (emptype)
ID: empnum (employee number)

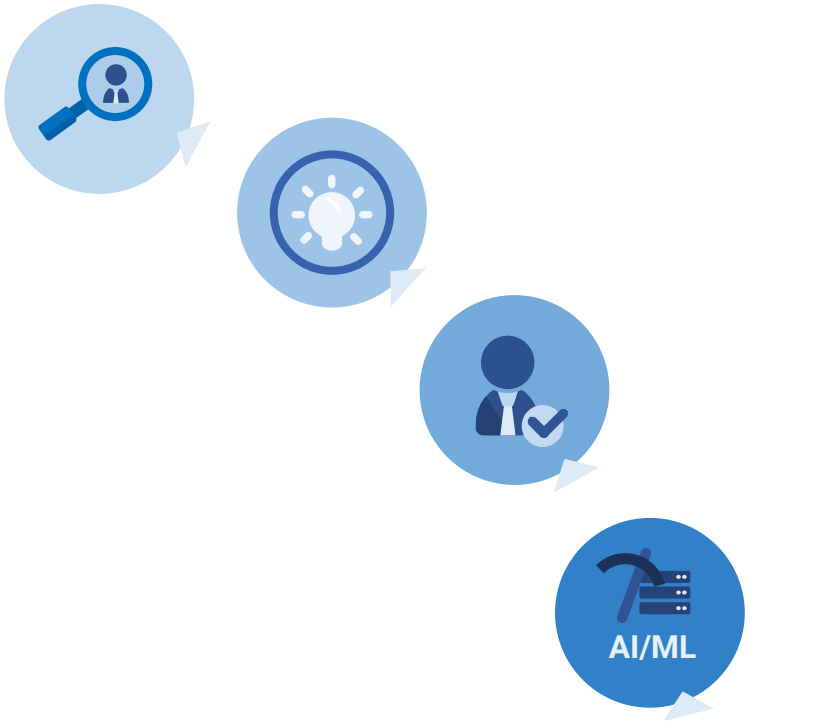
empnum	firstname	surname	emptype	job	status	locality
1001	Geena	Green	FTE	124#CEO	Active	Hot Lava City
1002	Ana	Lopez	FTE	125#CFO	Active	Hot Lava City
1003	Jimmy	Taylor	FTE	107#Junior Consultant	Former employee	Small Red Rock City
1004	Peter	Hunter	FTE	910#HR Consultant	Active	White Stone City
1016	Jane	Anderson	FTE	107#Junior Consultant	Long-term leave	Hot Lava City
8000	Janet	Garner	CONTRACTOR	899#Cleaning & Maintenance Specialist	Active	Hot Lava City
8001	Ben	Goosehead	CONTRACTOR	899#Cleaning & Maintenance Specialist	Active	Hot Lava City
8002	Maria	Alvarez	CONTRACTOR	899#Cleaning & Maintenance Specialist	Active	Small Red Rock City

Fixed set *Prefix* *Fixed set*



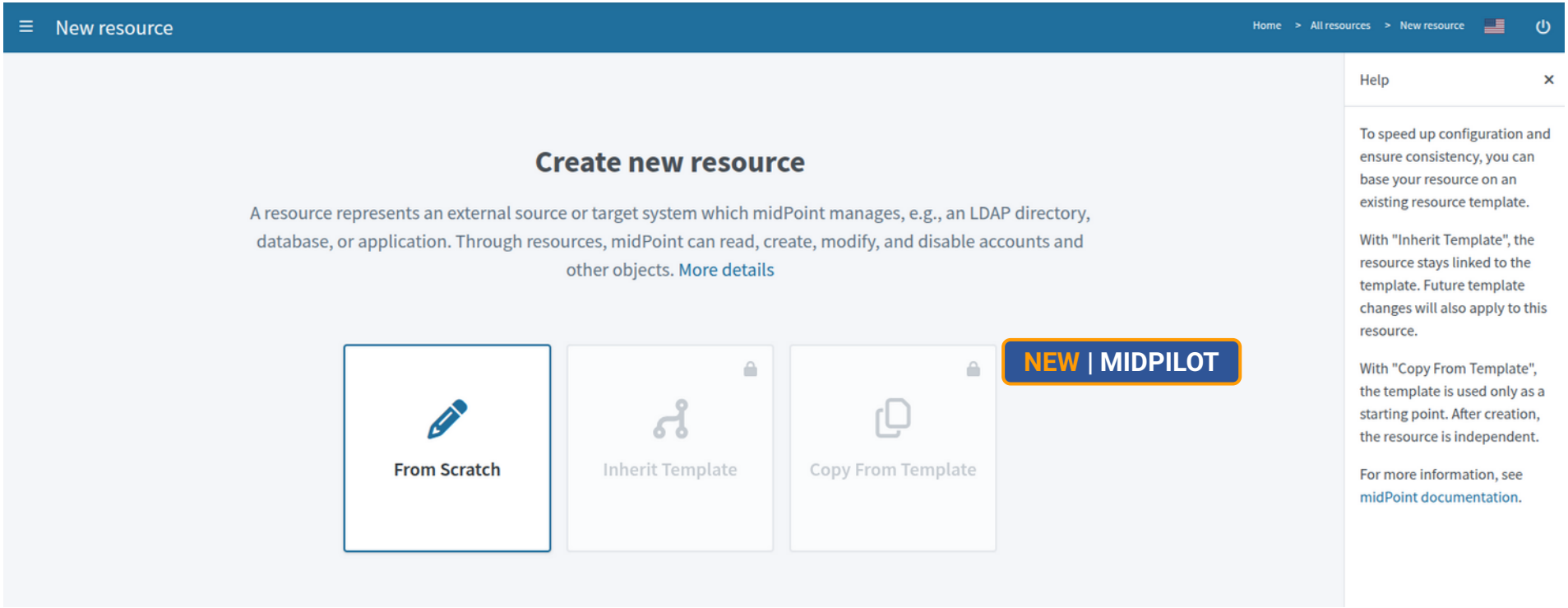
Target system: corporate directory server (LDAP);
standard accounts + admin accounts + service accounts;
internal groups + application groups + admin groups
Account ID: uid

2. Connect the First Source System (HR)

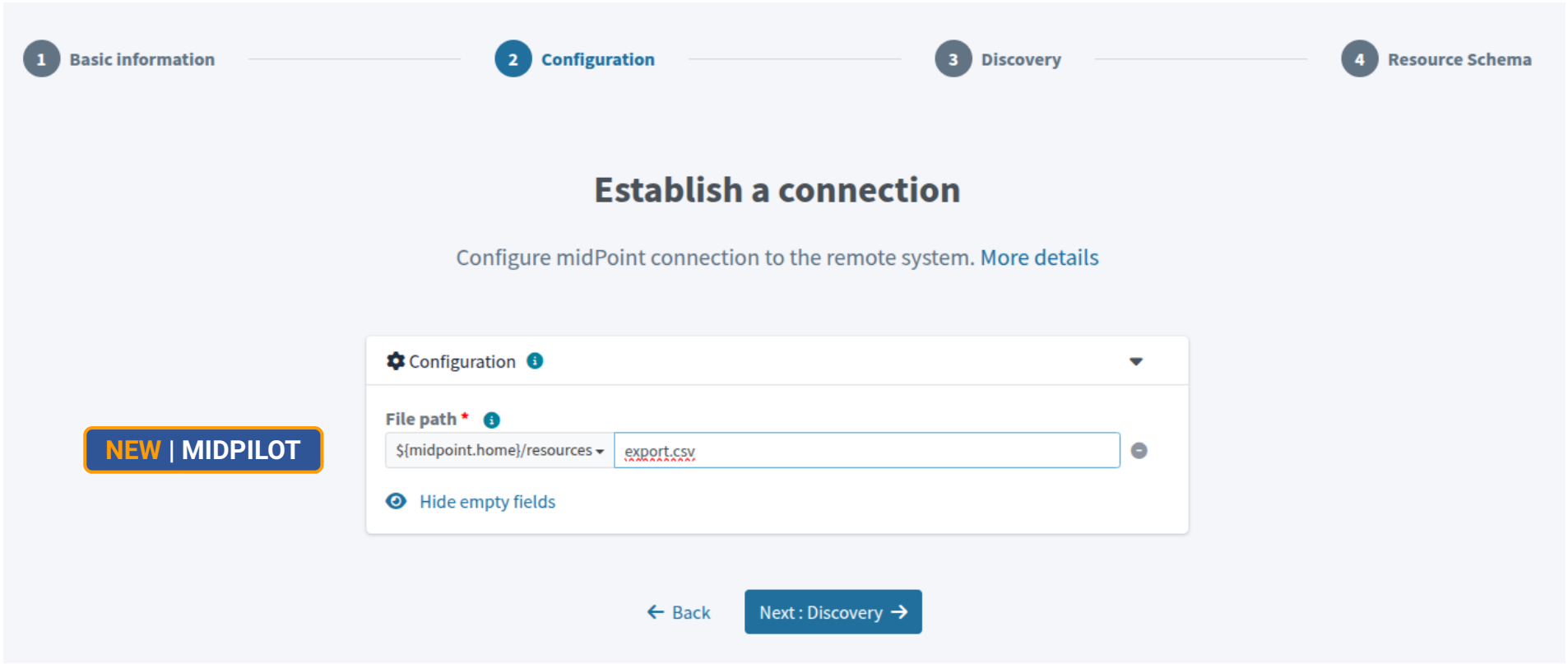


- Connect Source system using a CSV file and preview resource data
- Classify data from resource object classes into object types
- Configure object types
- **Use a series of wizards and configuration assistants**

2. Connect the First Source System (HR) – Create Resource

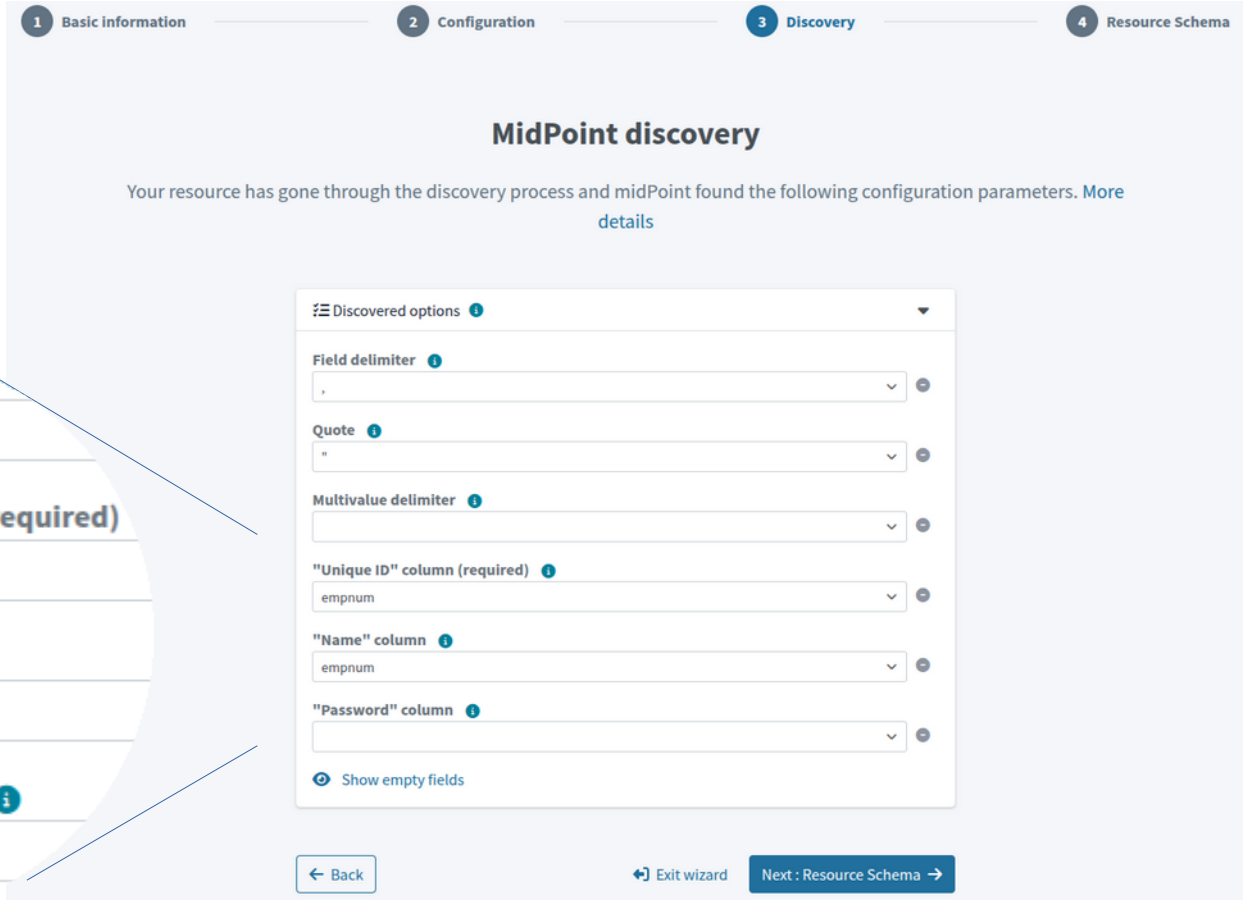


2. Connect the First Source System (HR) – Create Resource



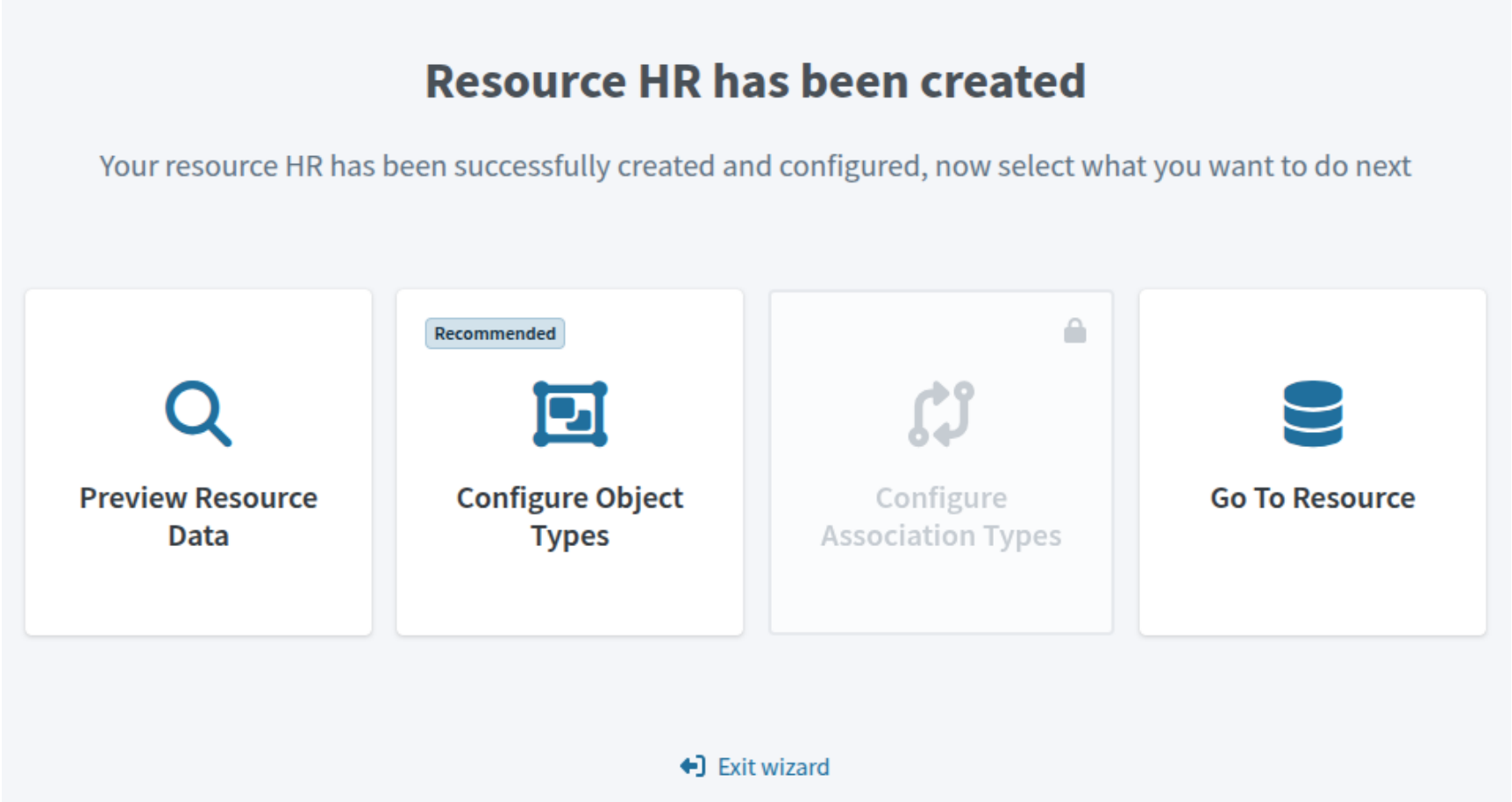
2. Connect the First Source System (HR) – Create Resource

NEW | MIDPILOT



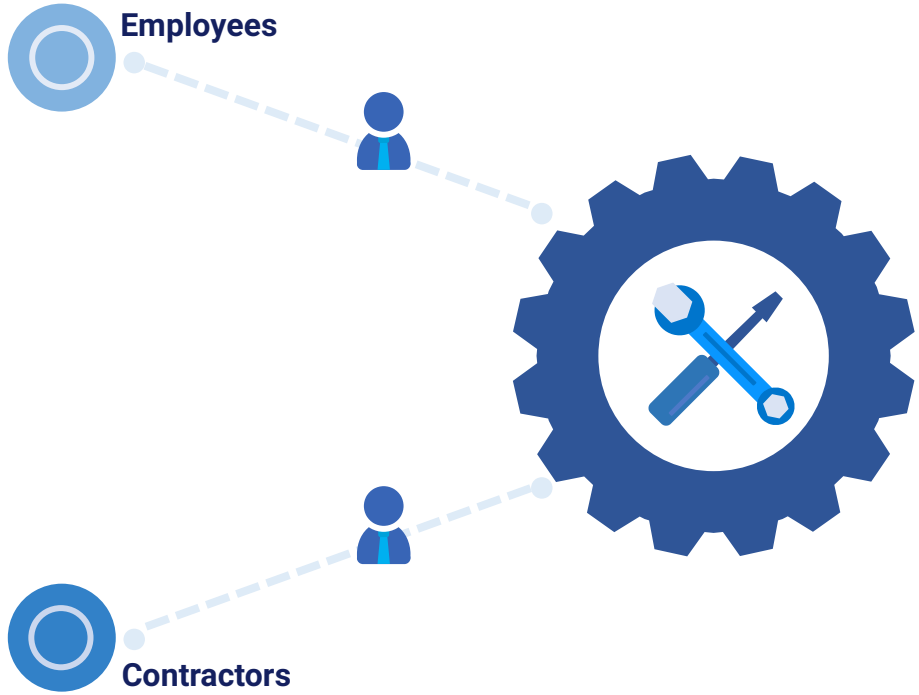
"Unique ID" column (required)
empnum
"Name" column
empnum
"Password" column

2. Connect the First Source System (HR) – Create Resource

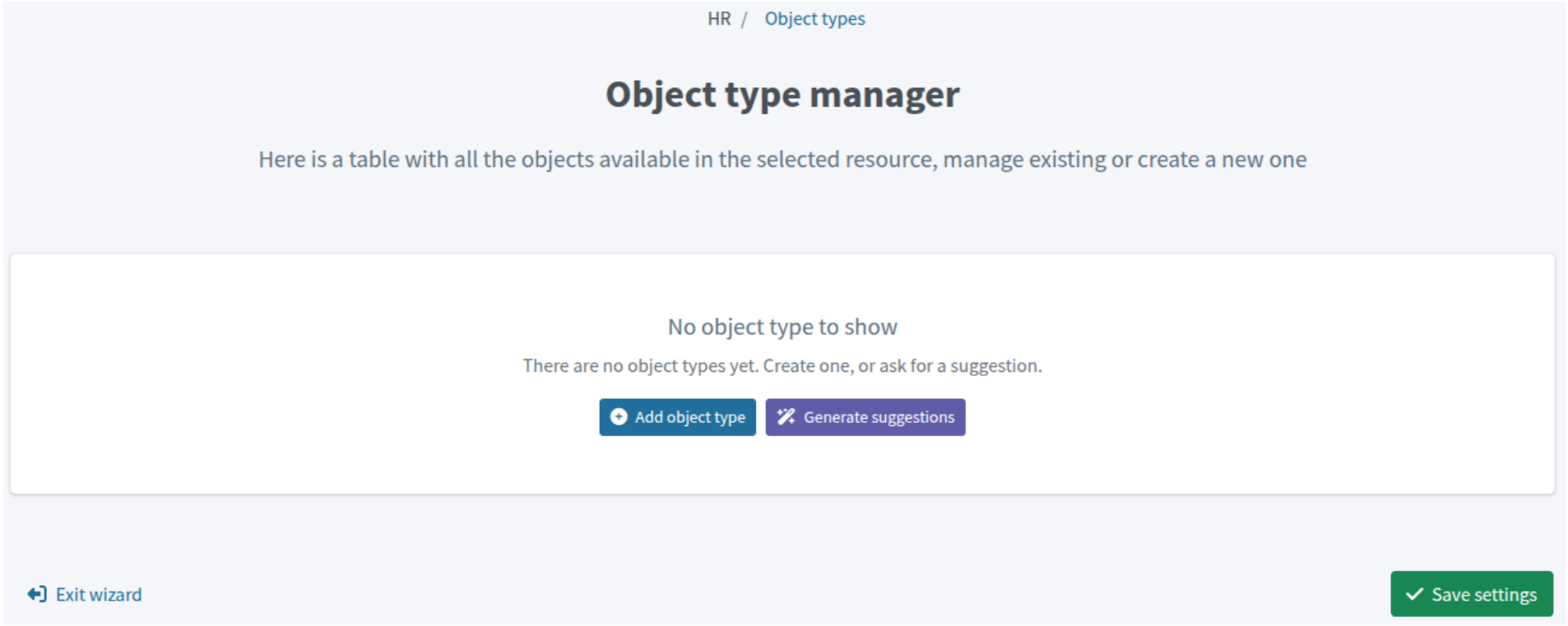


2. Connect the First Source System (HR) – Classify Data Into Object Types

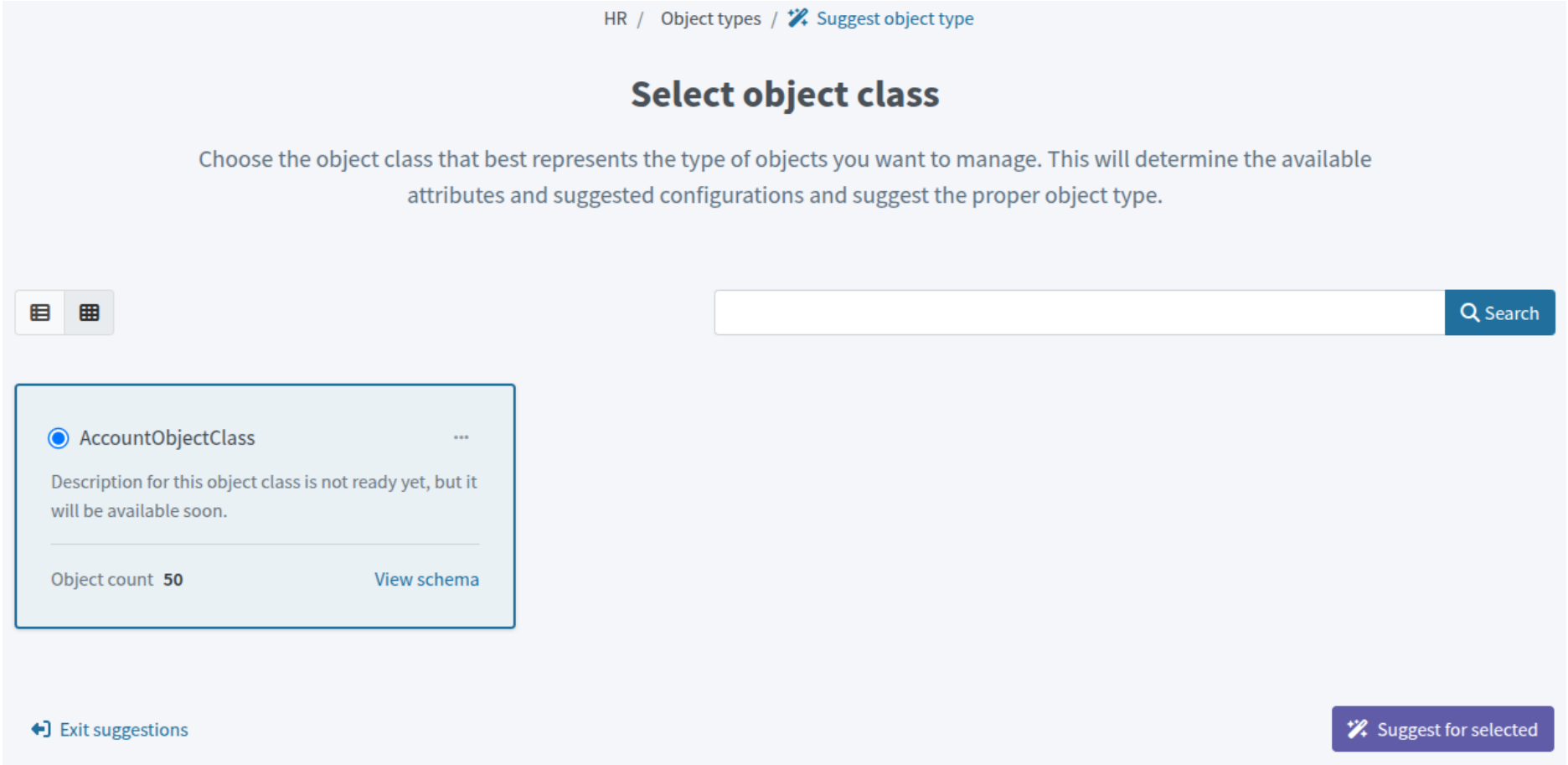
- Object types specify the appearance of resource objects and how midPoint handles them
- Classify data into object types using configuration assistants (AI/heuristics) or manually **NEW | MIDPILOT**
- Examples:
  - Employees, Contractors



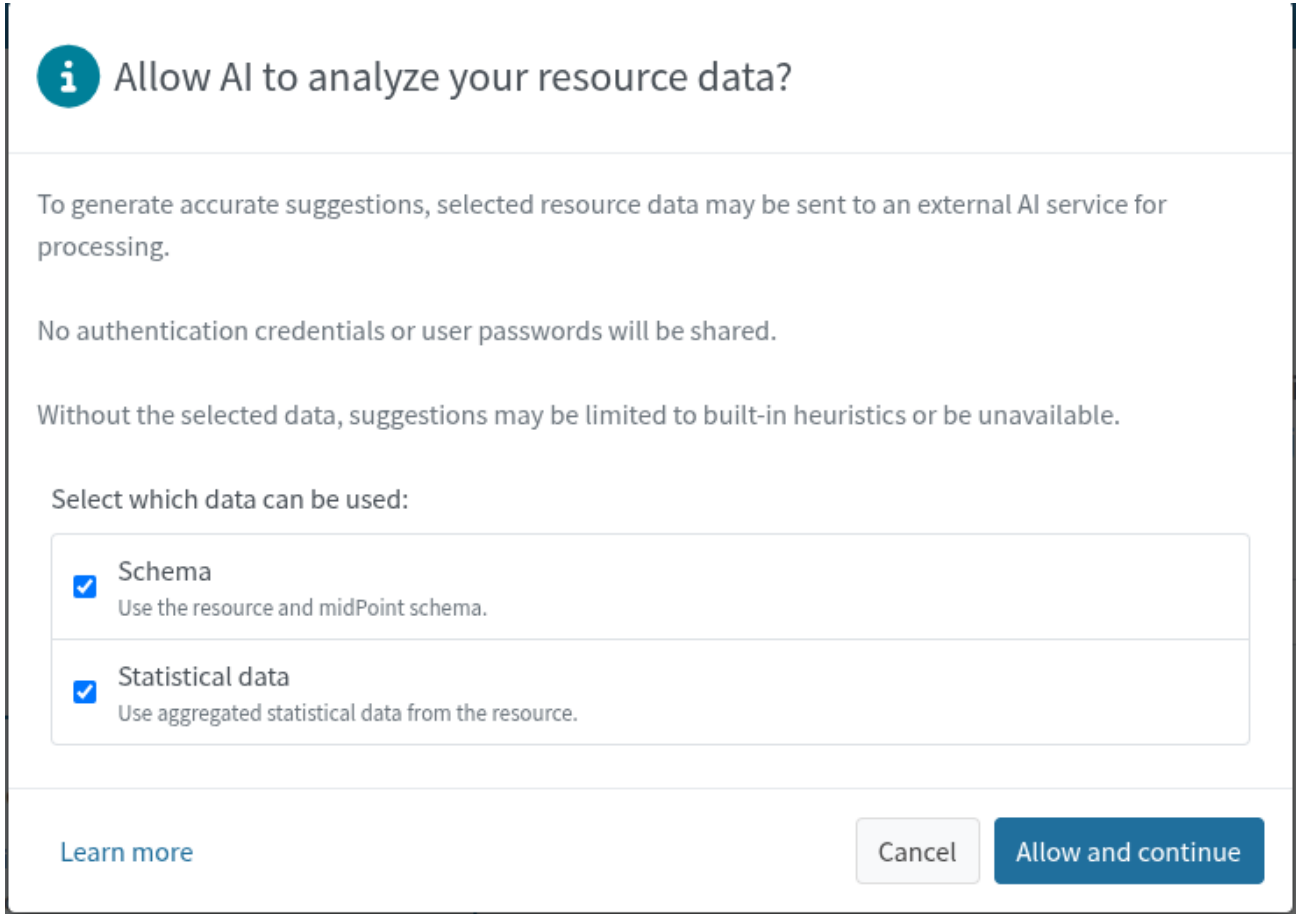
2. Connect the First Source System (HR) – Classify Data Into Object Types



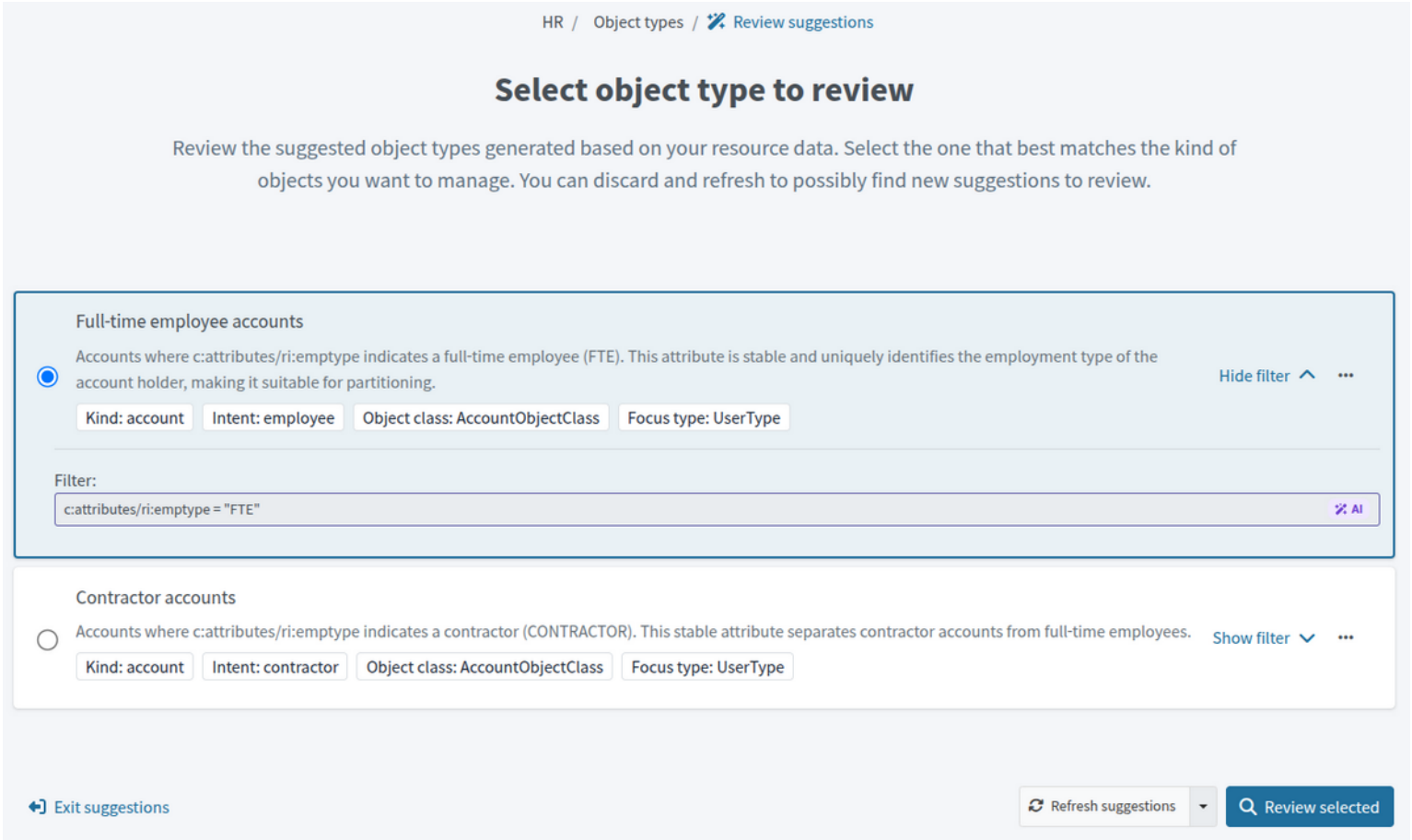
2. Connect the First Source System (HR) – Classify Data Into Object Types



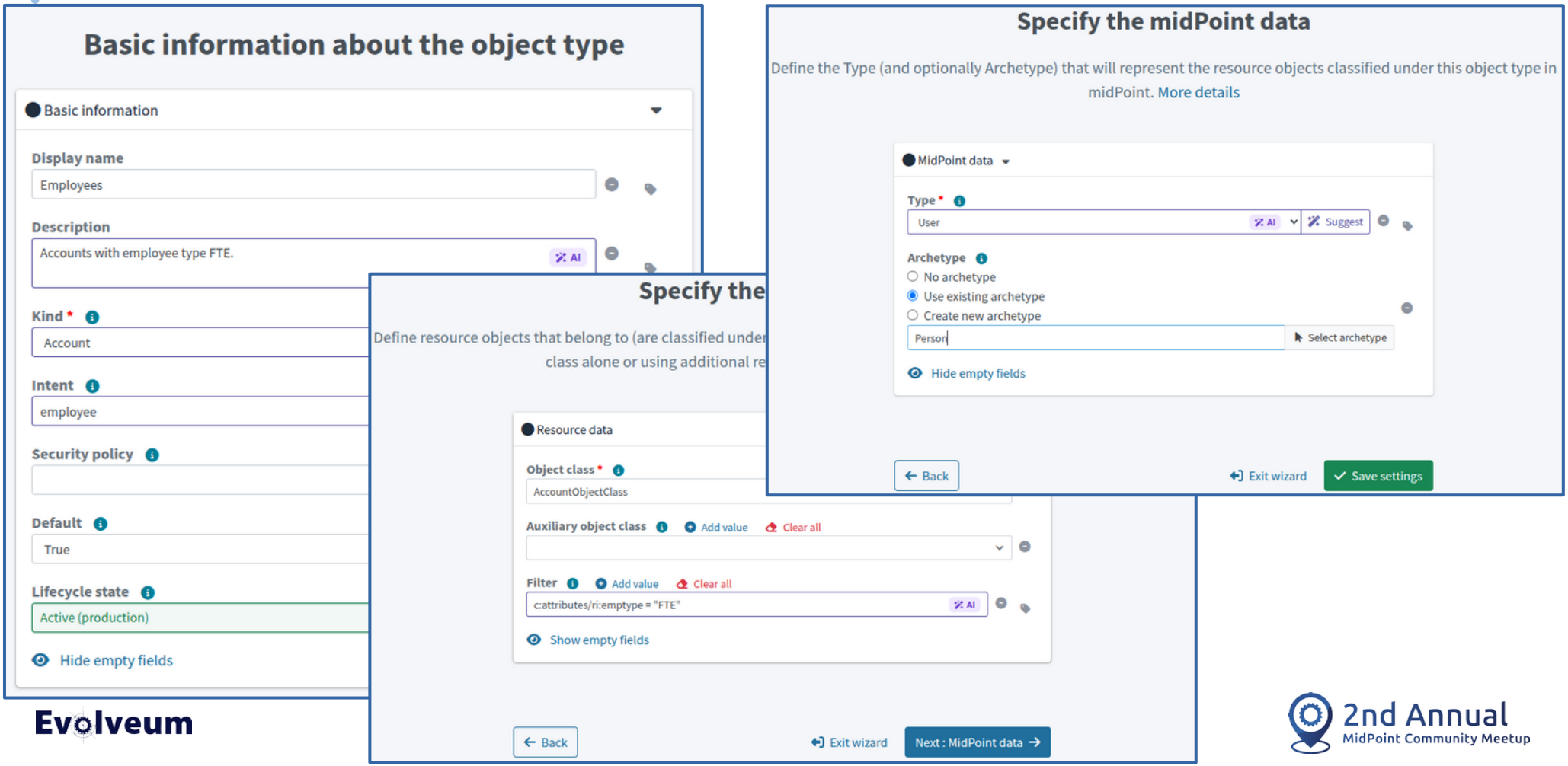
2. Connect the First Source System (HR) – Classify Data Into Object Types



2. Connect the First Source System (HR) – Classify Data Into Object Types



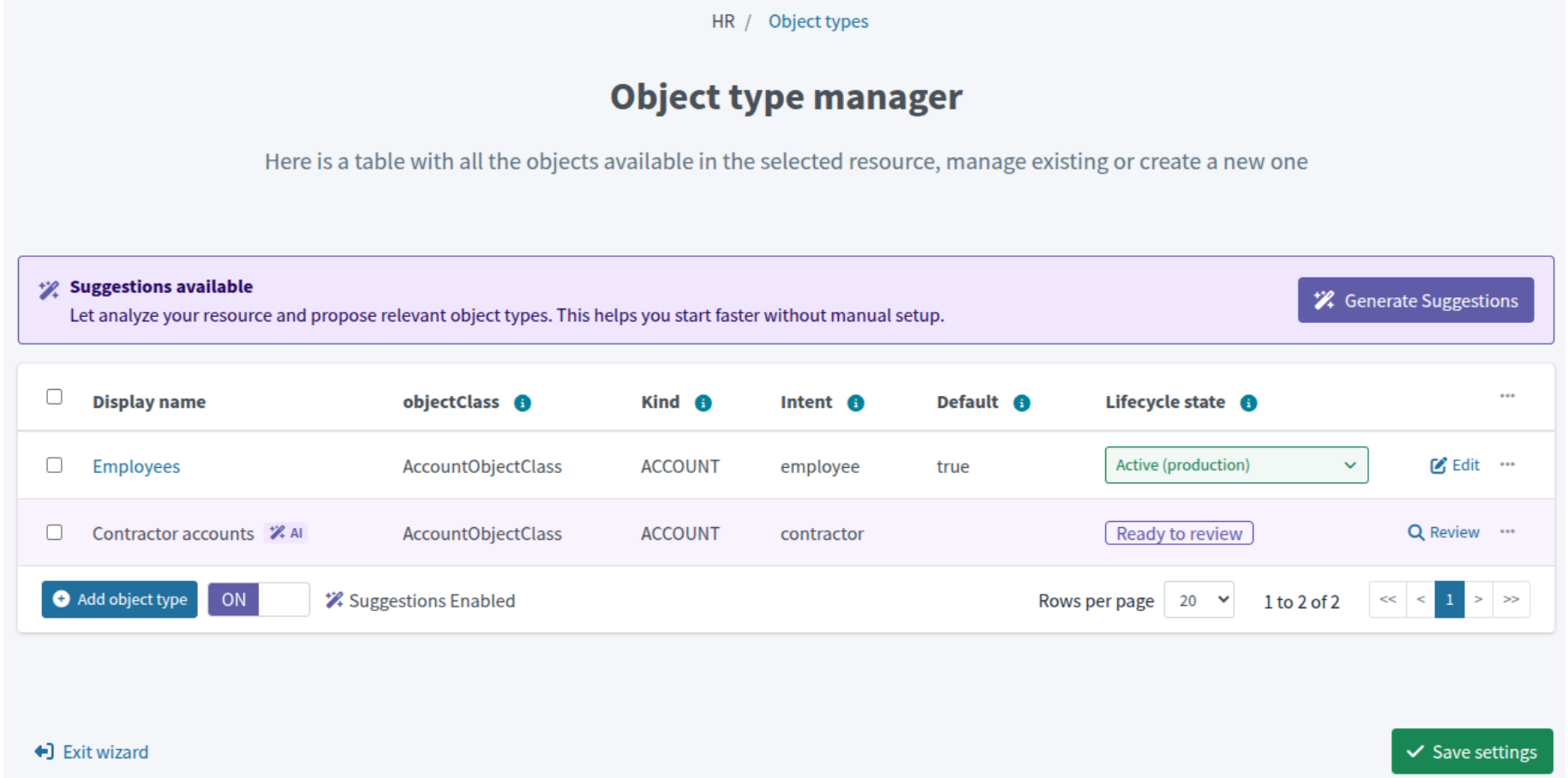
2. Connect the First Source System (HR) – Review Classifications



Evolveum

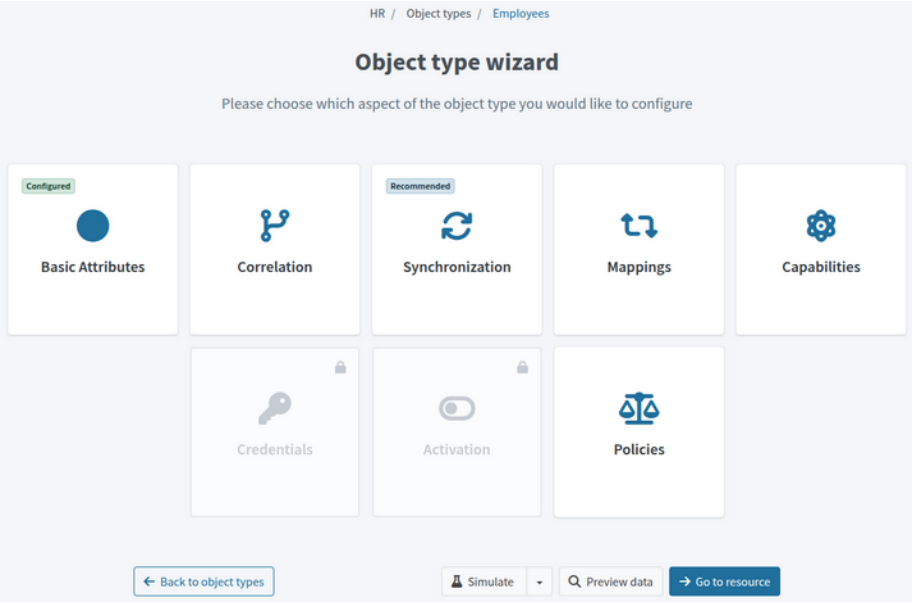
2nd Annual
MidPoint Community Meetup

2. Connect the First Source System (HR) – Review Classifications



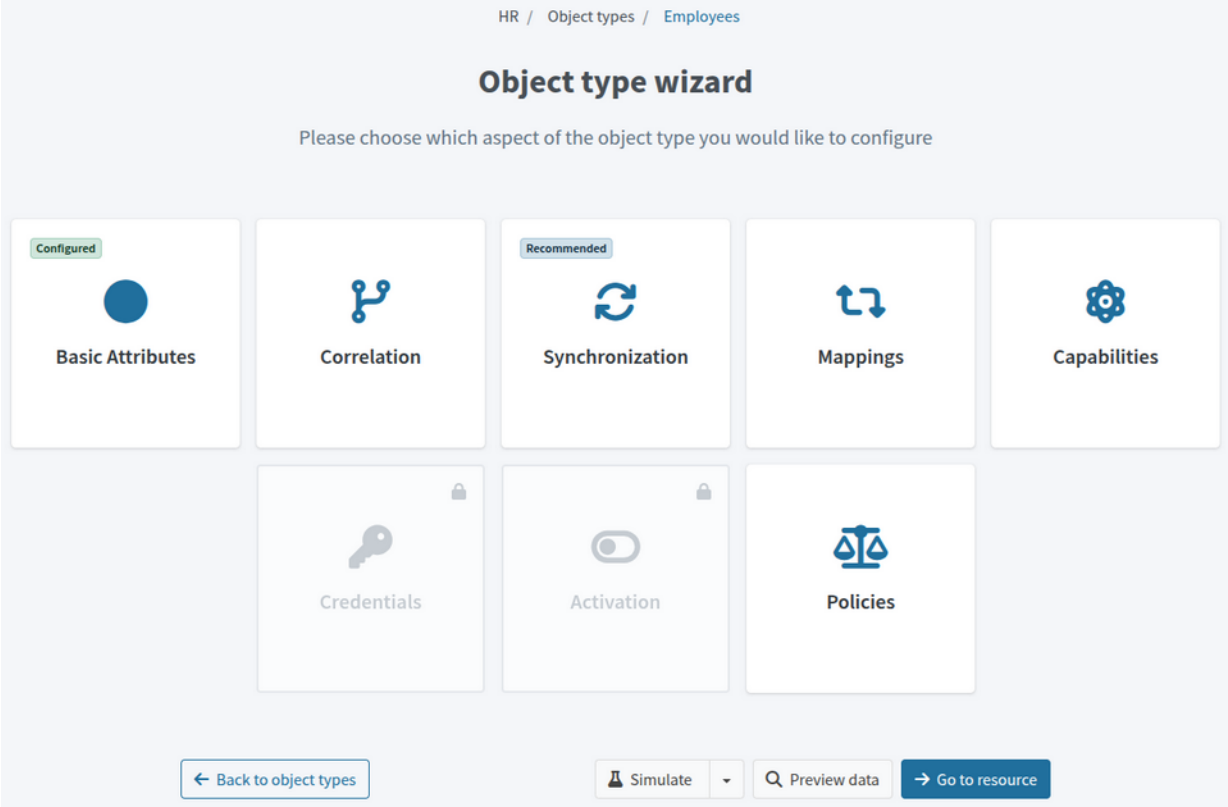
2. Connect the First Source System (HR) – Configure Object Types

- Start with a single object type
- Configure object type using configuration assistants (AI/heuristics) or manually **NEW | MIDPILOT**
- Basic, ~~Correlation~~, Synchronization, Mappings, Capabilities, etc.
- MidPoint suggests the order of configuration **NEW | MIDPILOT**

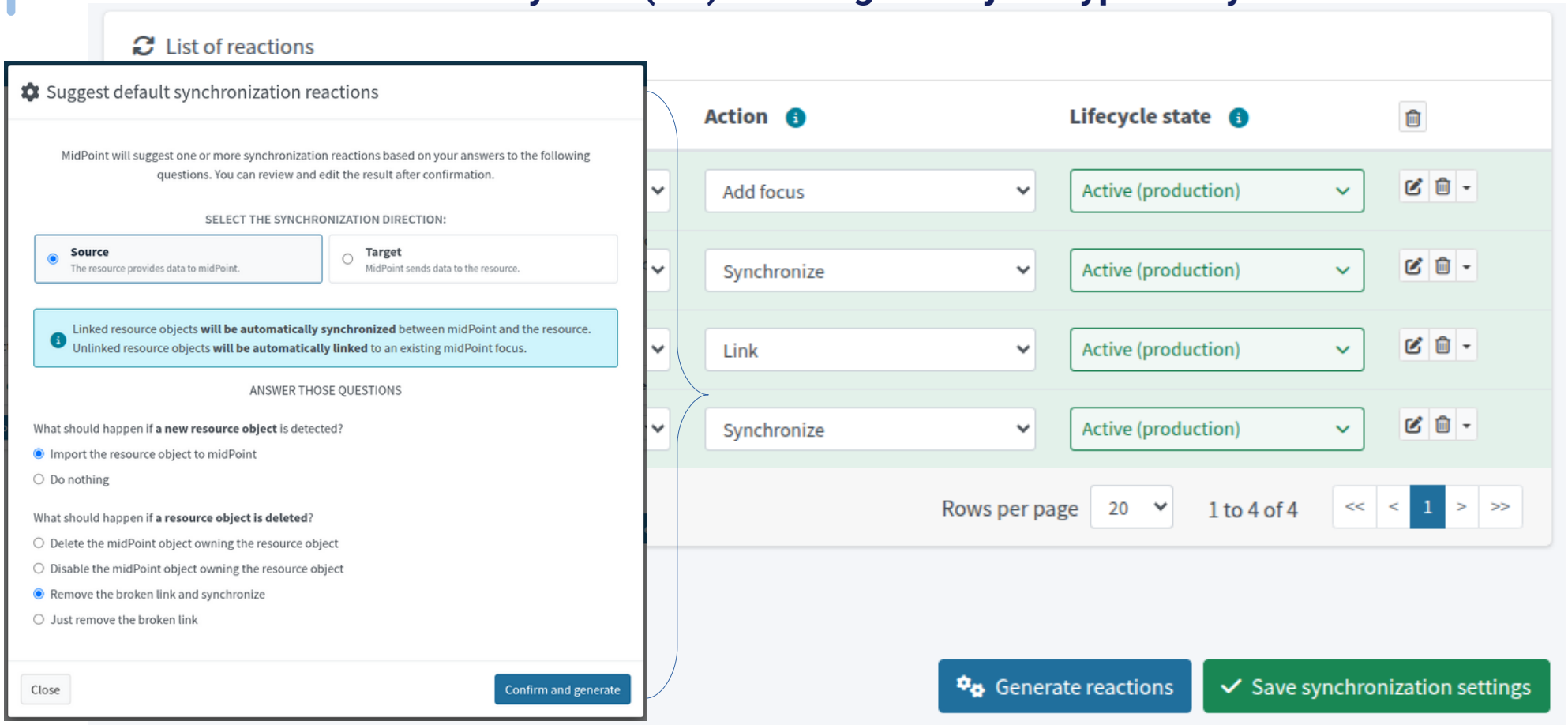


2. Connect the First Source System (HR) – Configure Object Types

We can skip correlation as there is no midPoint data yet.



2. Connect the First Source System (HR) – Configure Object Types – Synchronization

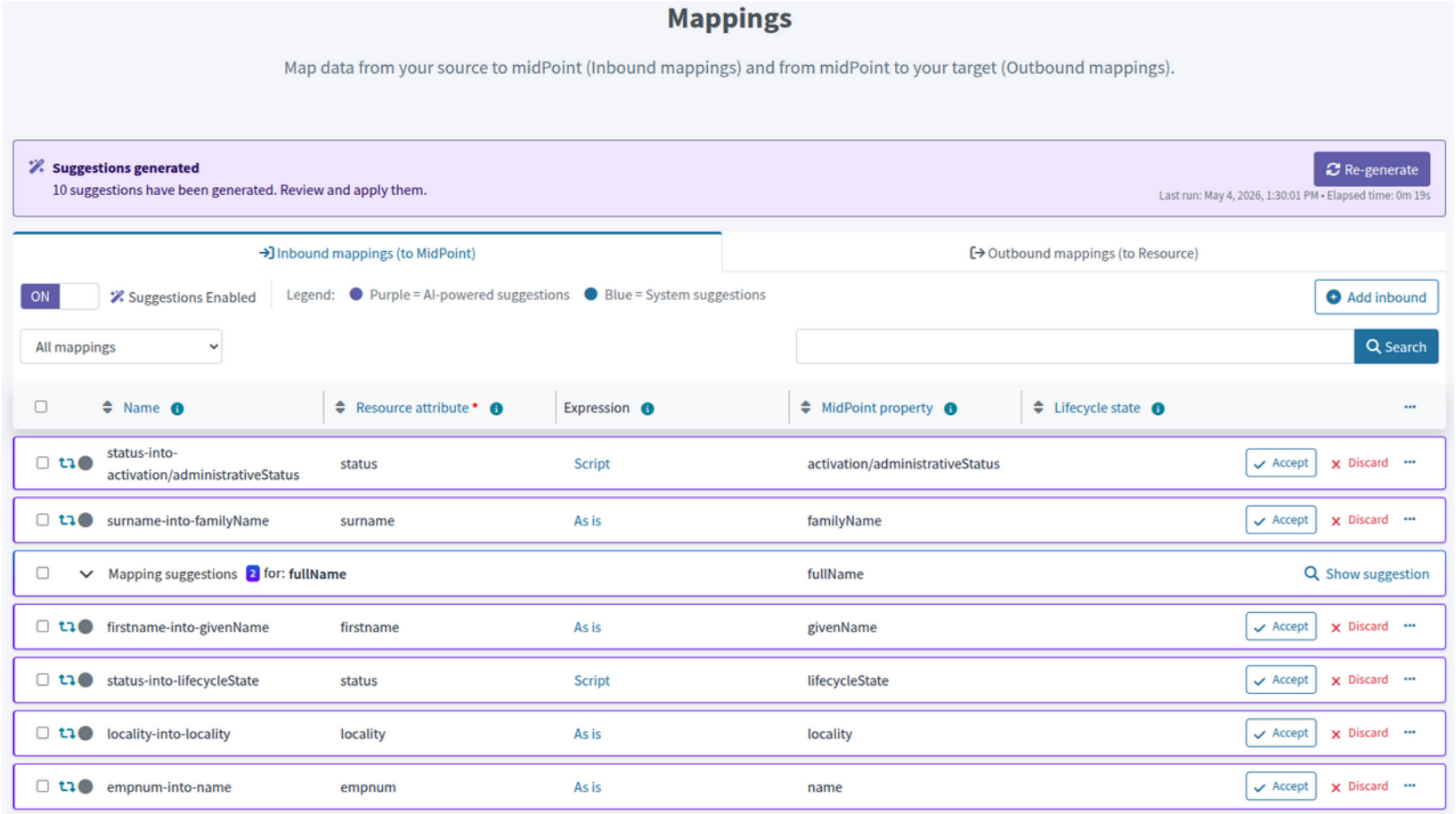


Evolveum

NEW | MIDPILOT

2nd Annual MidPoint Community Meetup

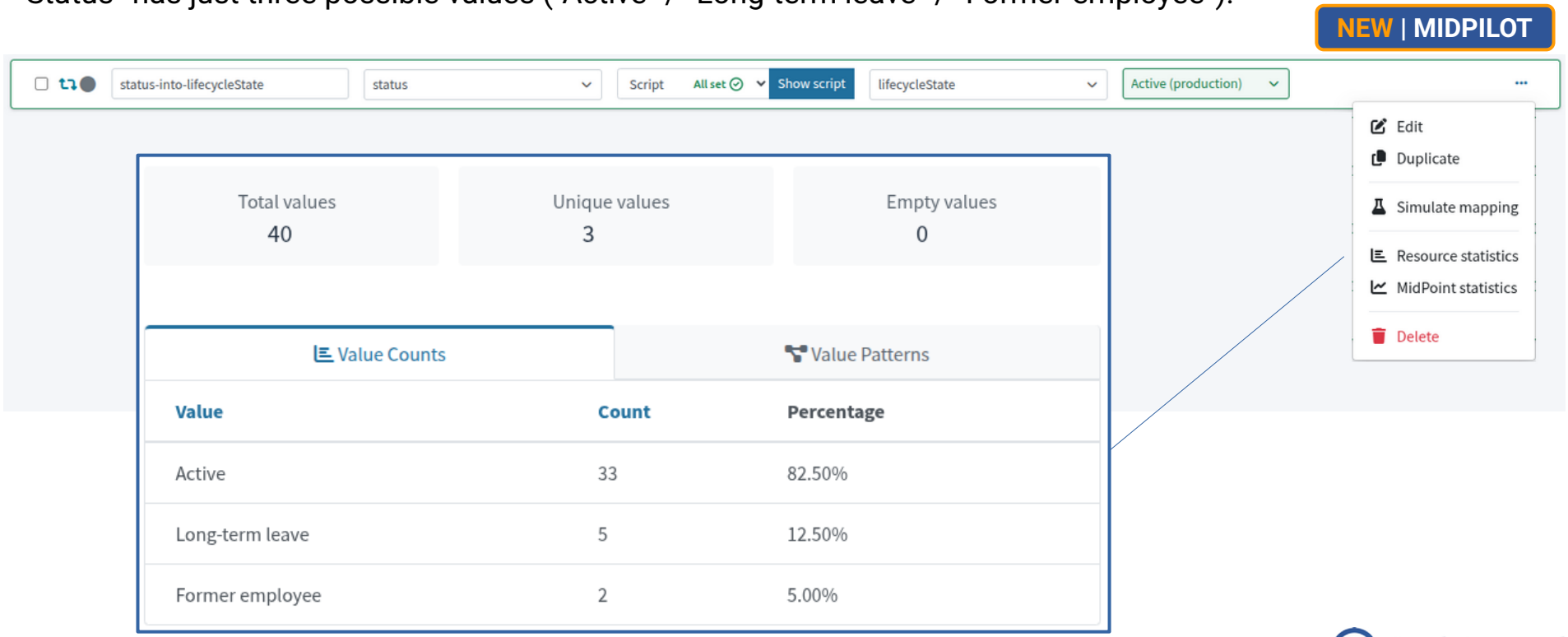
2. Connect the First Source System (HR) – Configure Object Types – Inbound Mappings



2. Connect the First Source System (HR) – Configure Object Types – Inbound Mappings

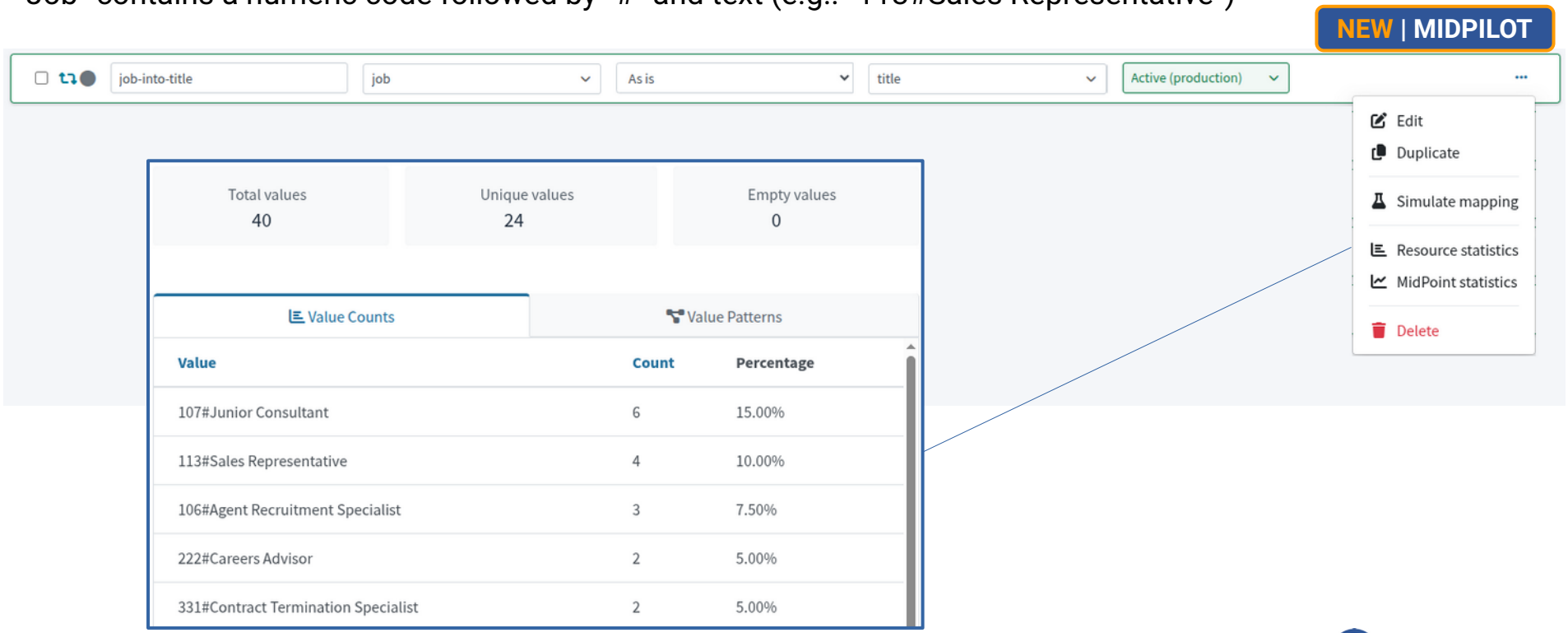
Attribute statistics may help you to create/validate script expressions if needed.
“Status” has just three possible values (“Active” / “Long-term leave” / “Former employee”).

NEW | MIDPILOT



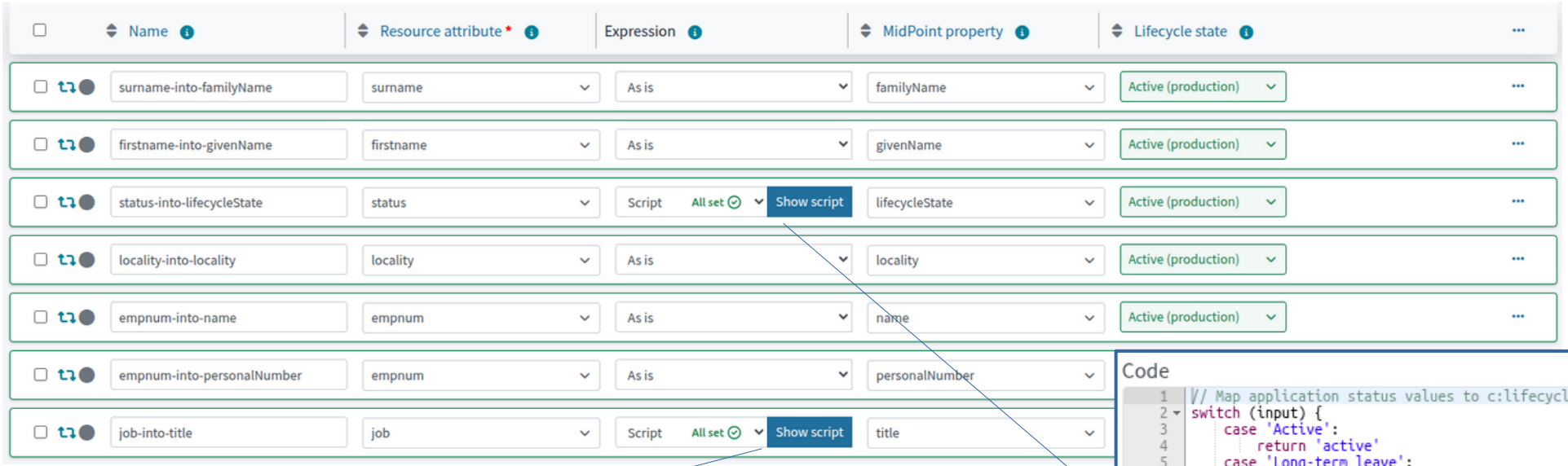
2. Connect the First Source System (HR) – Configure Object Types – Inbound Mappings

Attribute statistics may help you to create/validate script expressions if needed.
“Job” contains a numeric code followed by “#” and text (e.g.: “113#Sales Representative”)



2. Connect the First Source System (HR) – Configure Object Types – Inbound Mappings

Final accepted mappings (scripts generated or added manually based on attribute data statistics)



113#**Sales Representative**

Code

```
1  basic.substringAfter(input, '#')
```

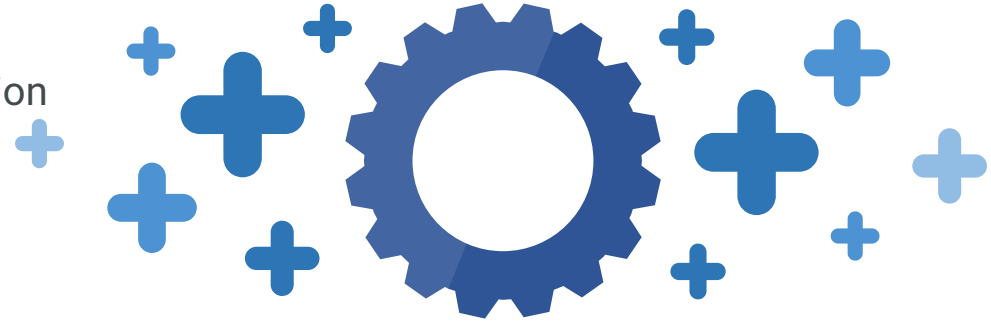
Code

```
1  // Map application status values to c:lifecycleState
2  switch (input) {
3      case 'Active':
4          return 'active'
5      case 'Long-term leave':
6          return 'suspended'
7      case 'Former employee':
8          return 'archived'
9      default:
10         return null
11 }
```

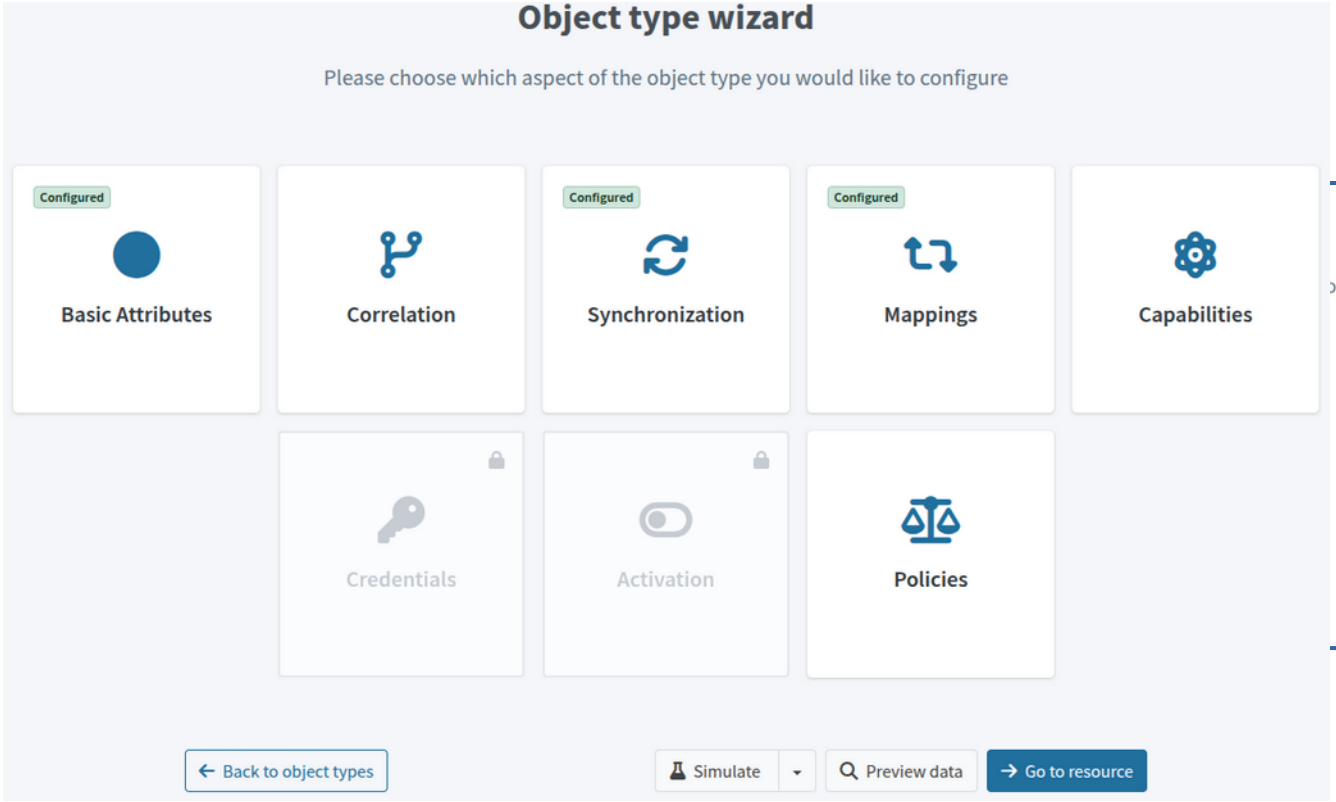
Active → active
Long-term leave → suspended
Former employee → archived

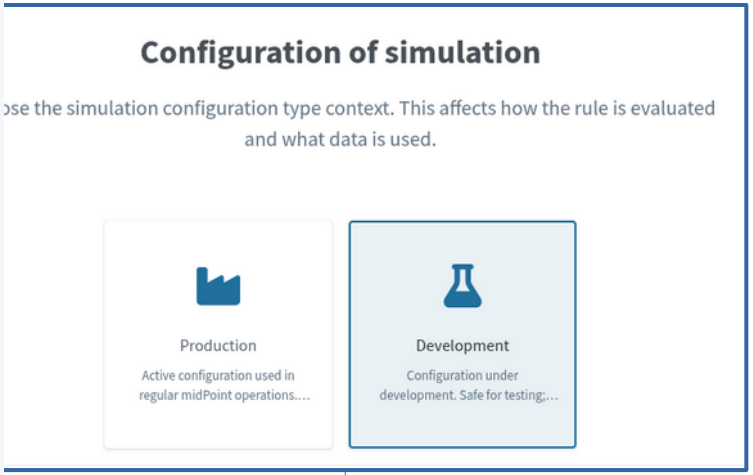
3. Import Source Data (HR)

- Simulate source data import to validate the configuration (especially mappings)
- Import data from Source system and create users in midPoint



3. Import Source Data (HR) – Development Simulation



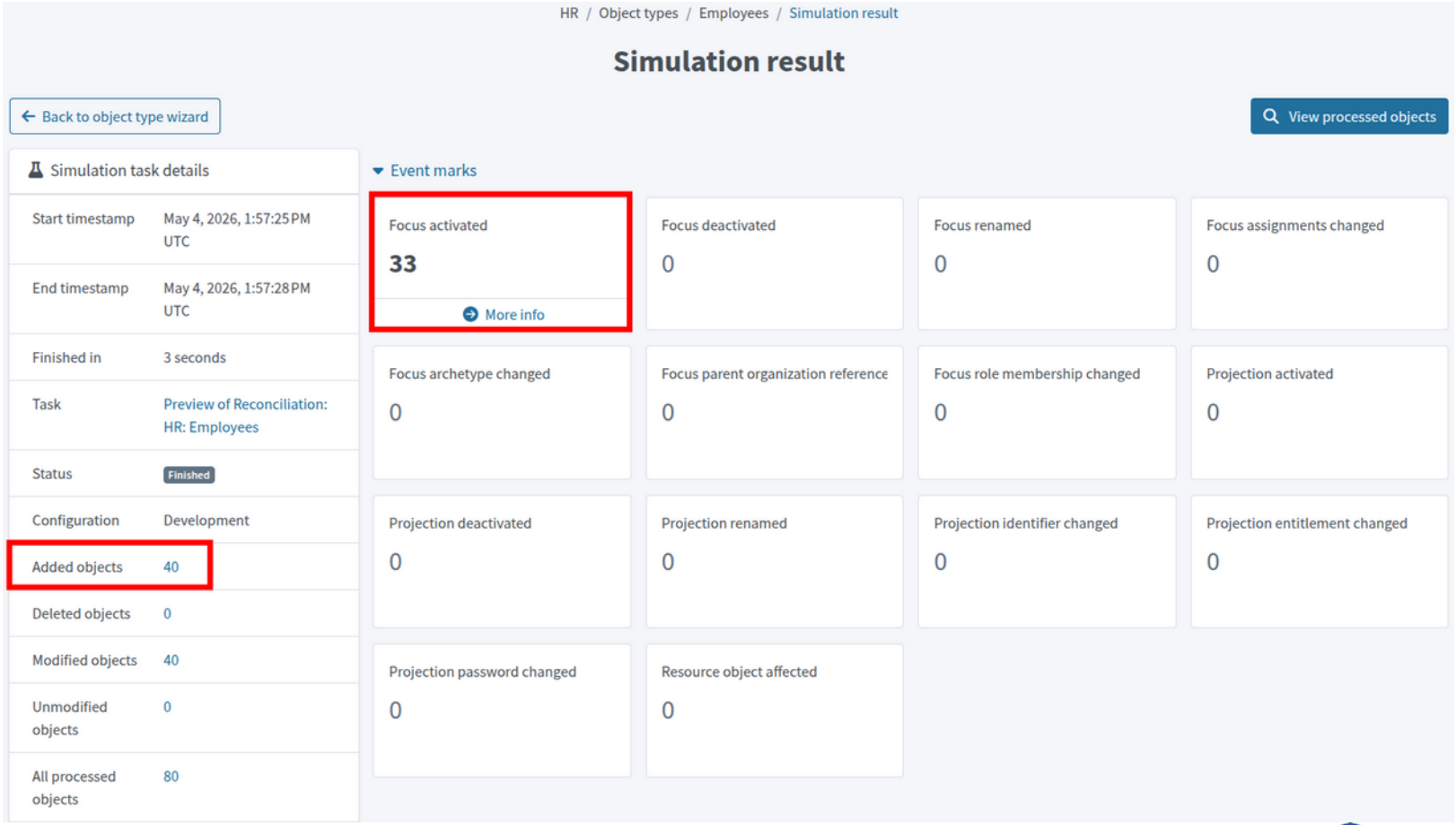


NEW | MIDPILOT

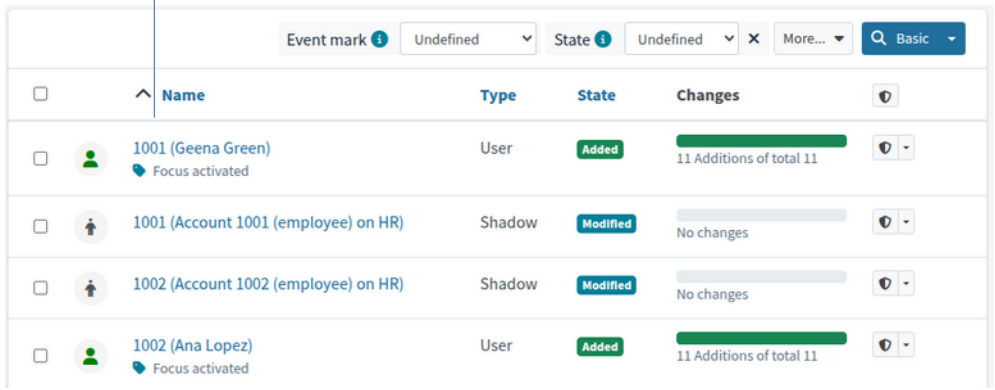
Evolveum

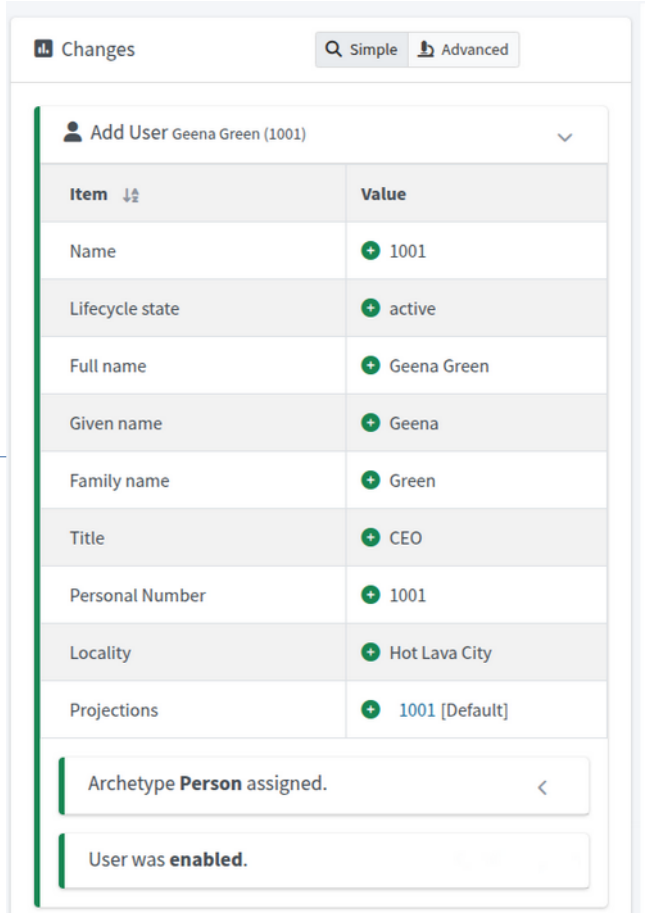
2nd Annual MidPoint Community Meetup

3. Import Source Data (HR) – Development Simulation



3. Import Source Data (HR) – Development Simulation

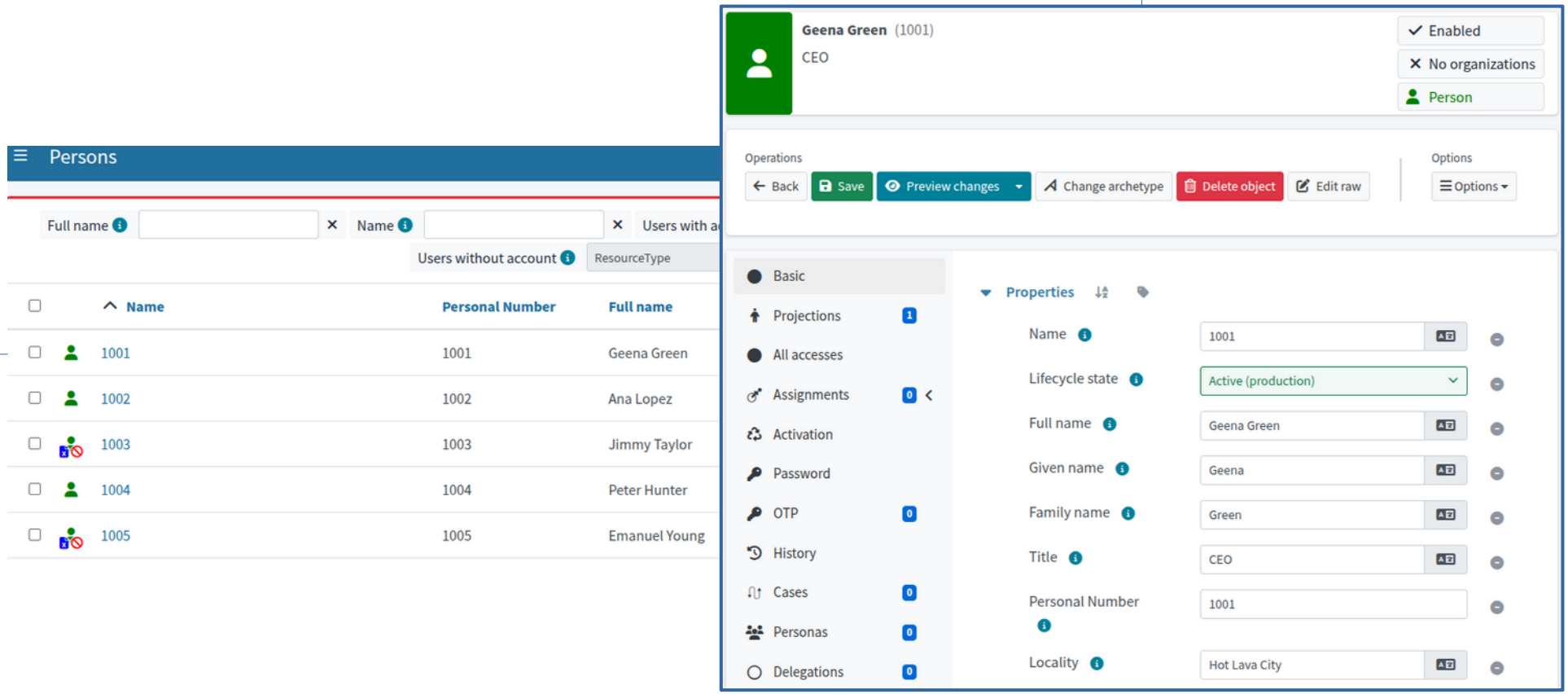




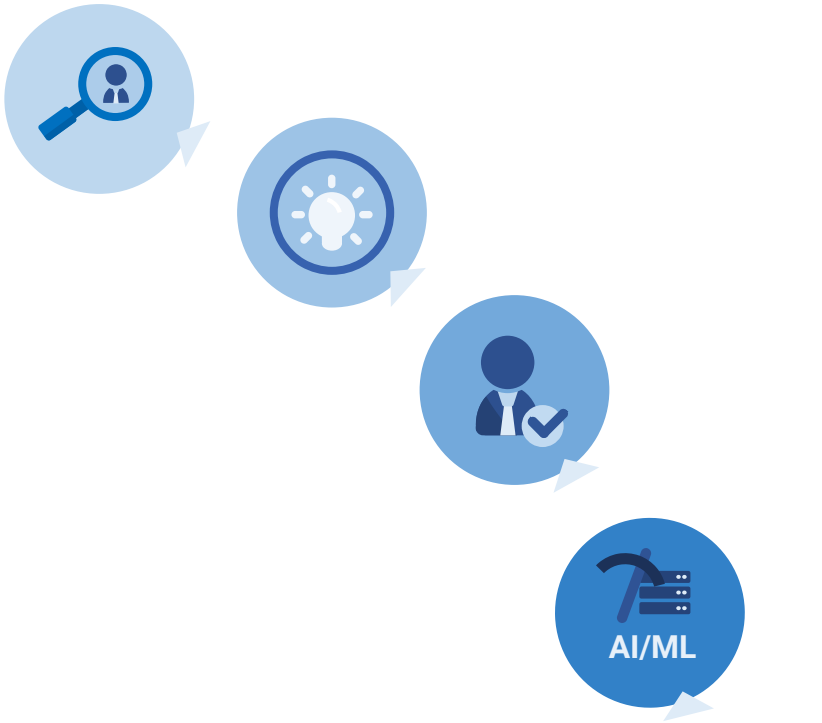
Evolveum

2nd Annual MidPoint Community Meetup

3. Import Source Data (HR) & Create Users in MidPoint

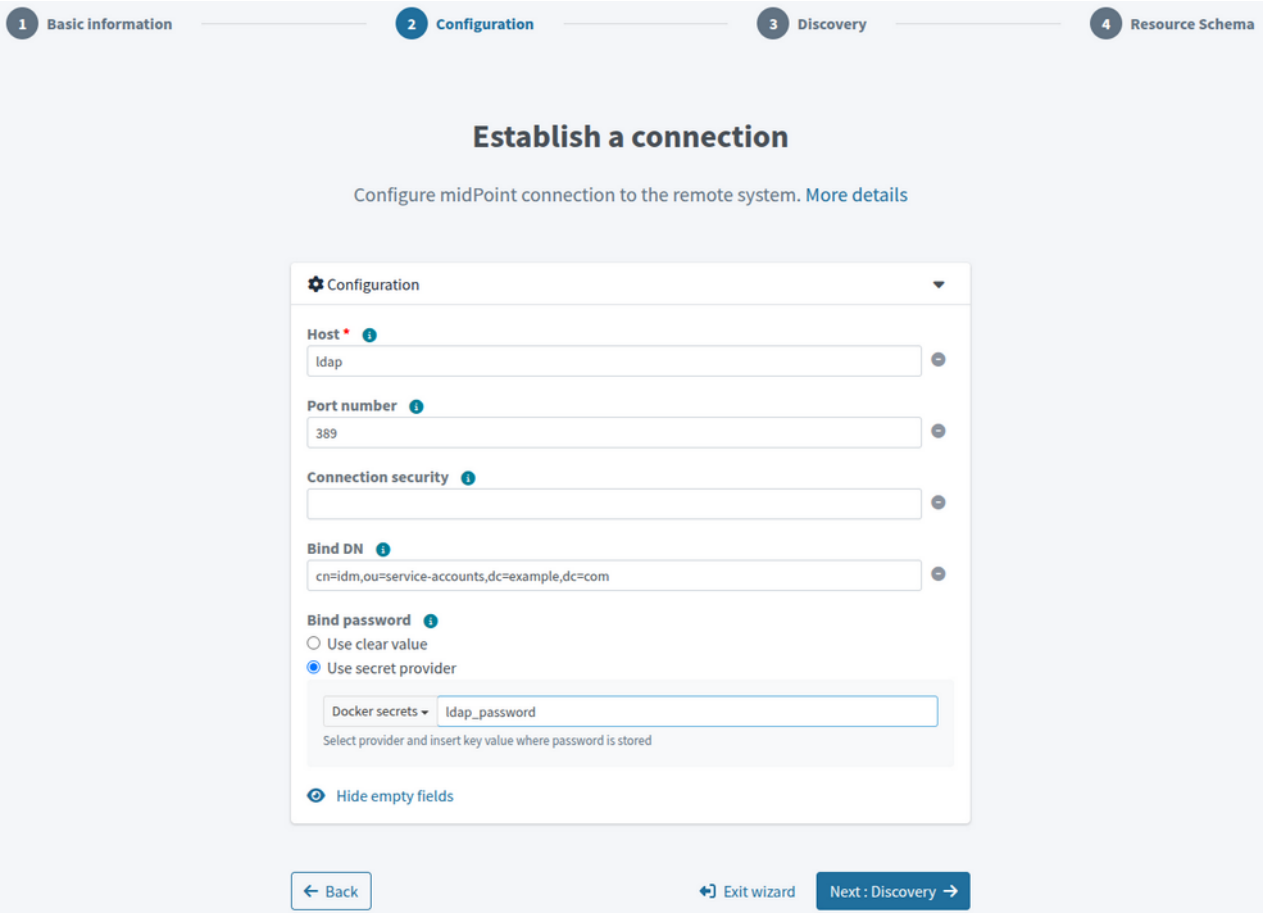


4. Connect the First Target System (LDAP)

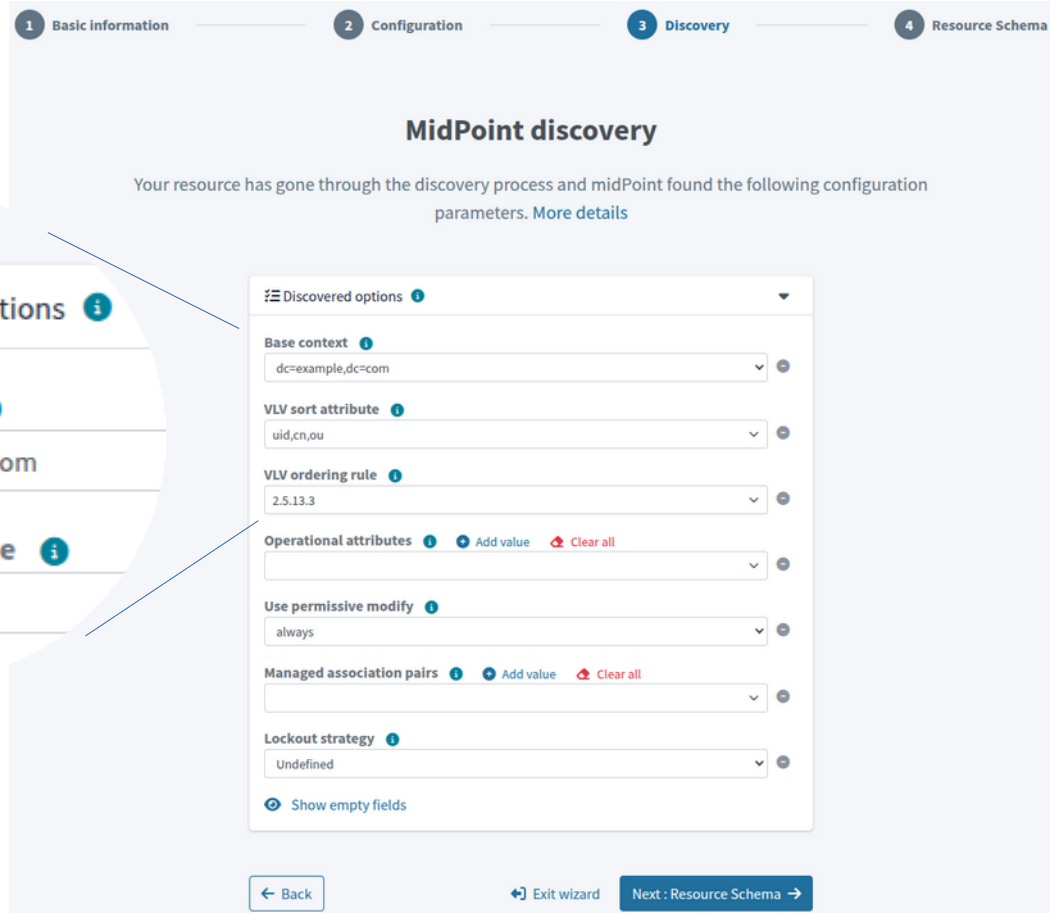


- Typically Microsoft Active Directory or corporate LDAP server
- Connect the Target system and preview resource data
- Configure object types
- **Use a series of wizards and configuration assistants**

4. Connect the First Target System (LDAP) – Create Resource

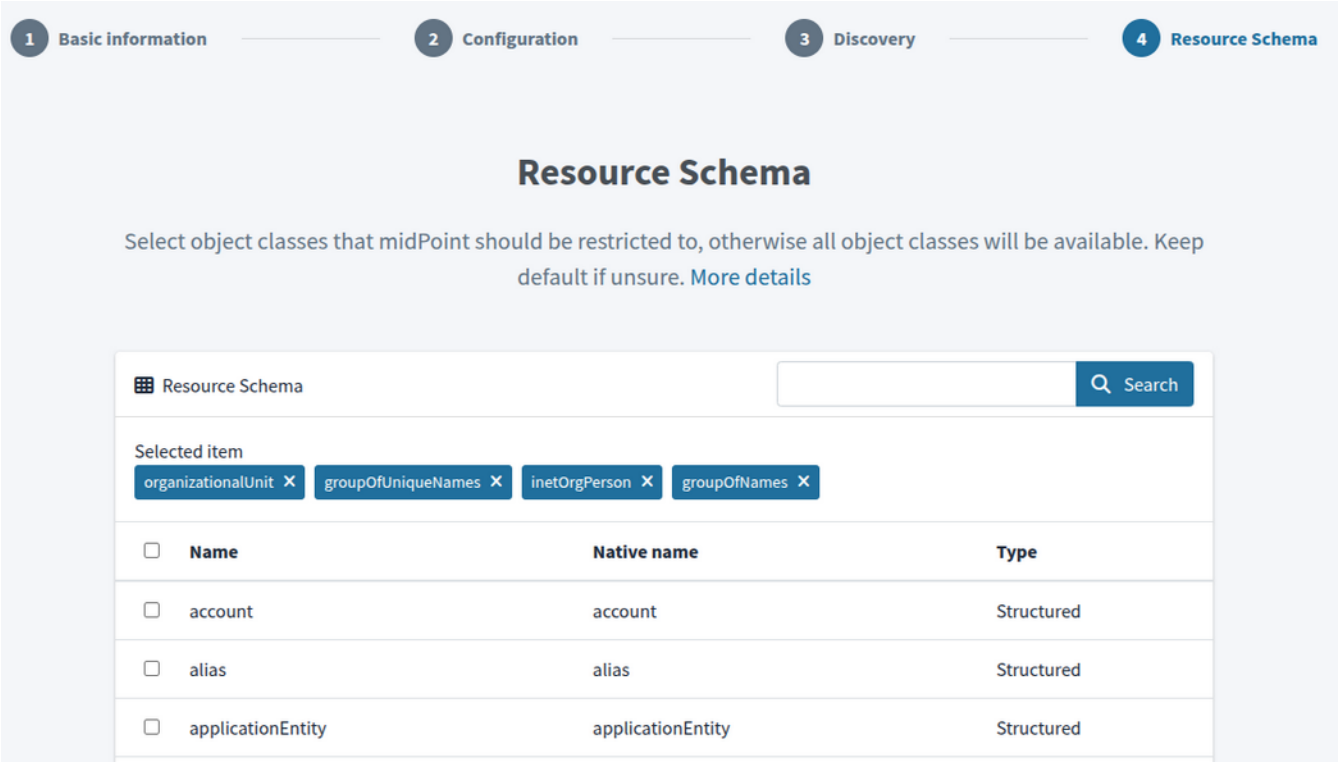


4. Connect the First Target System (LDAP) – Create Resource

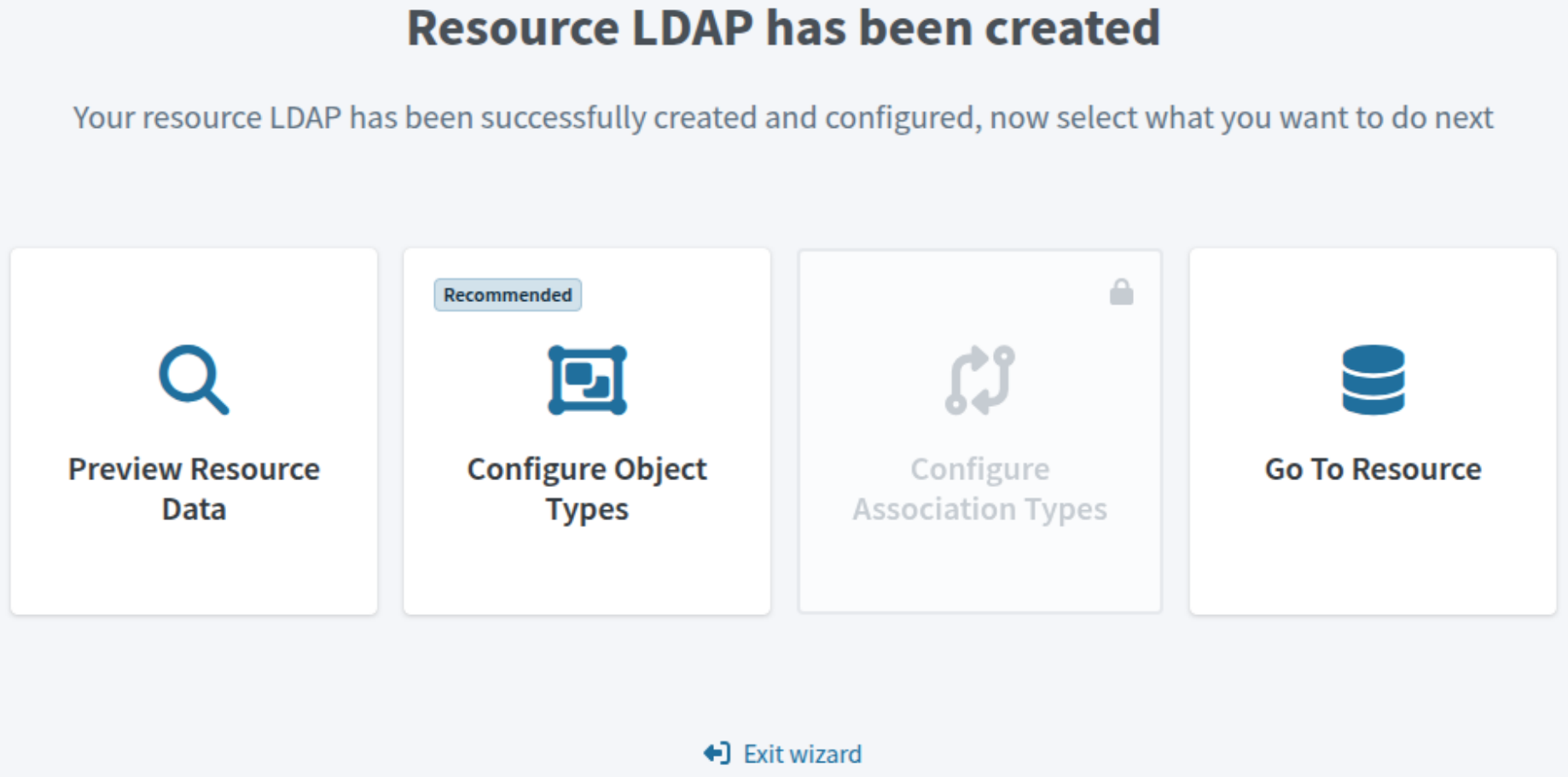


4. Connect the First Target System (LDAP) – Create Resource

Most-commonly used object classes are selected by default **NEW | MIDPILOT**

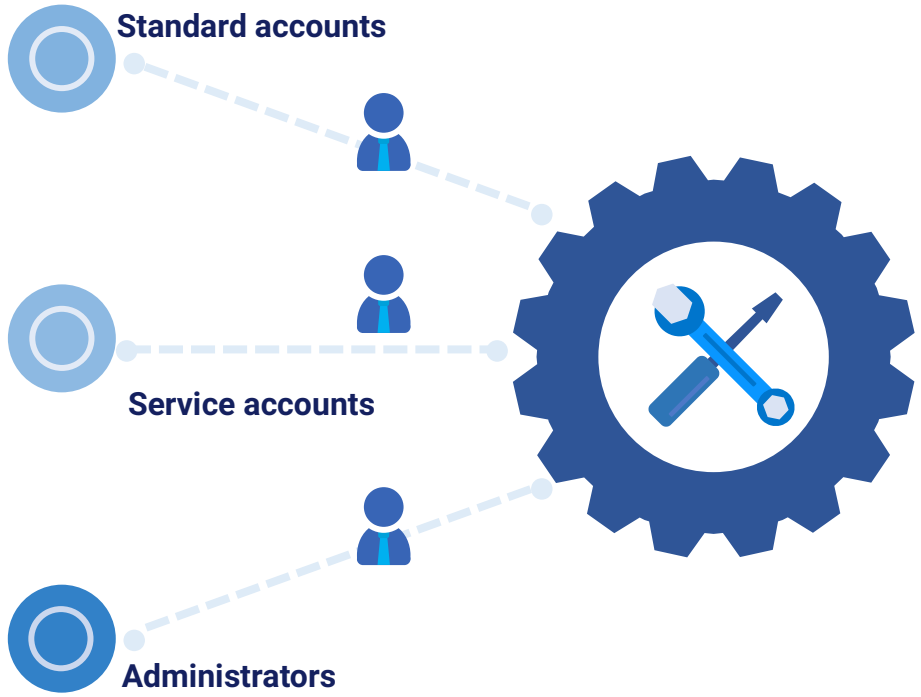


4. Connect the First Target System (LDAP) – Create Resource

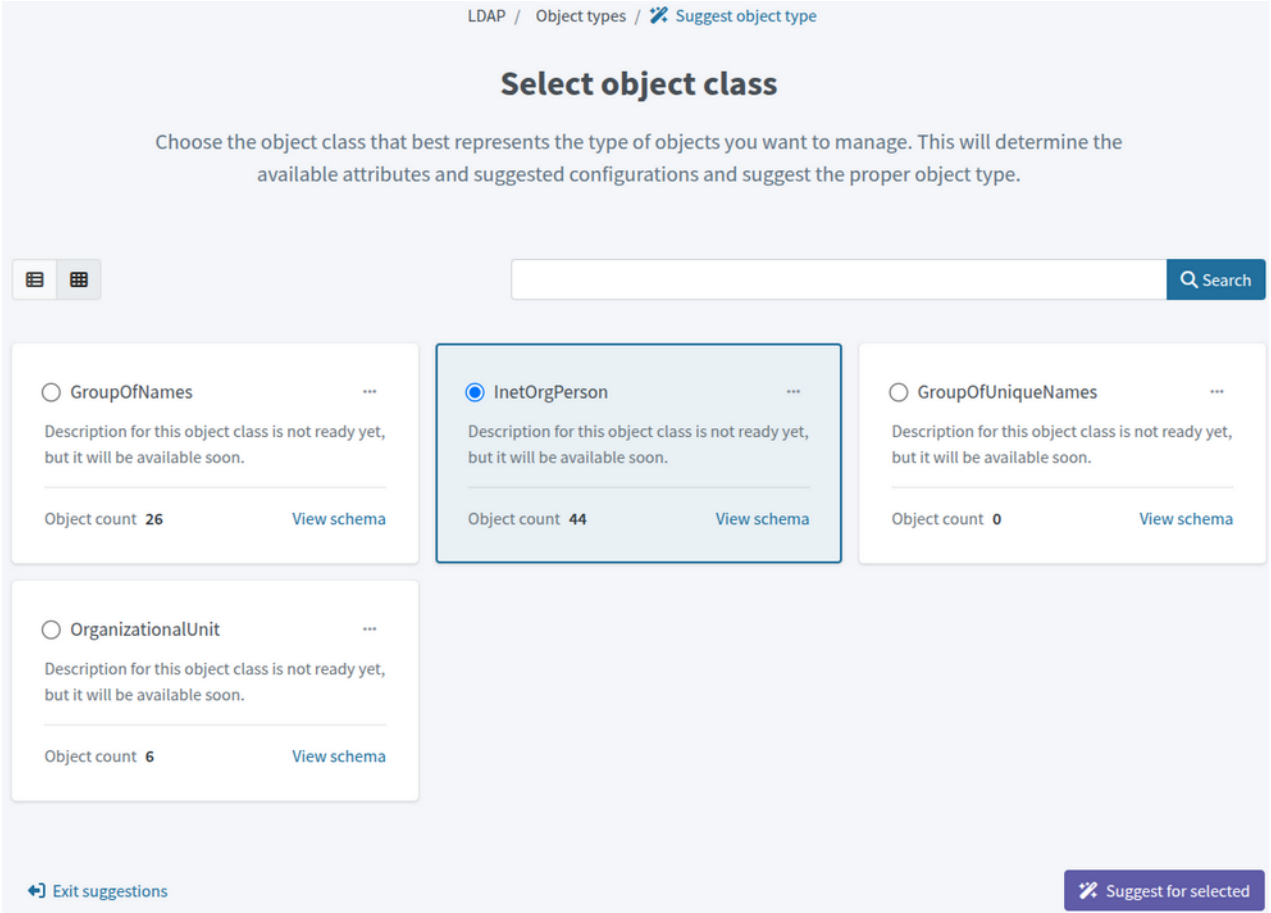


4. Connect the First Target System (LDAP) – Classify Data Into Object Types

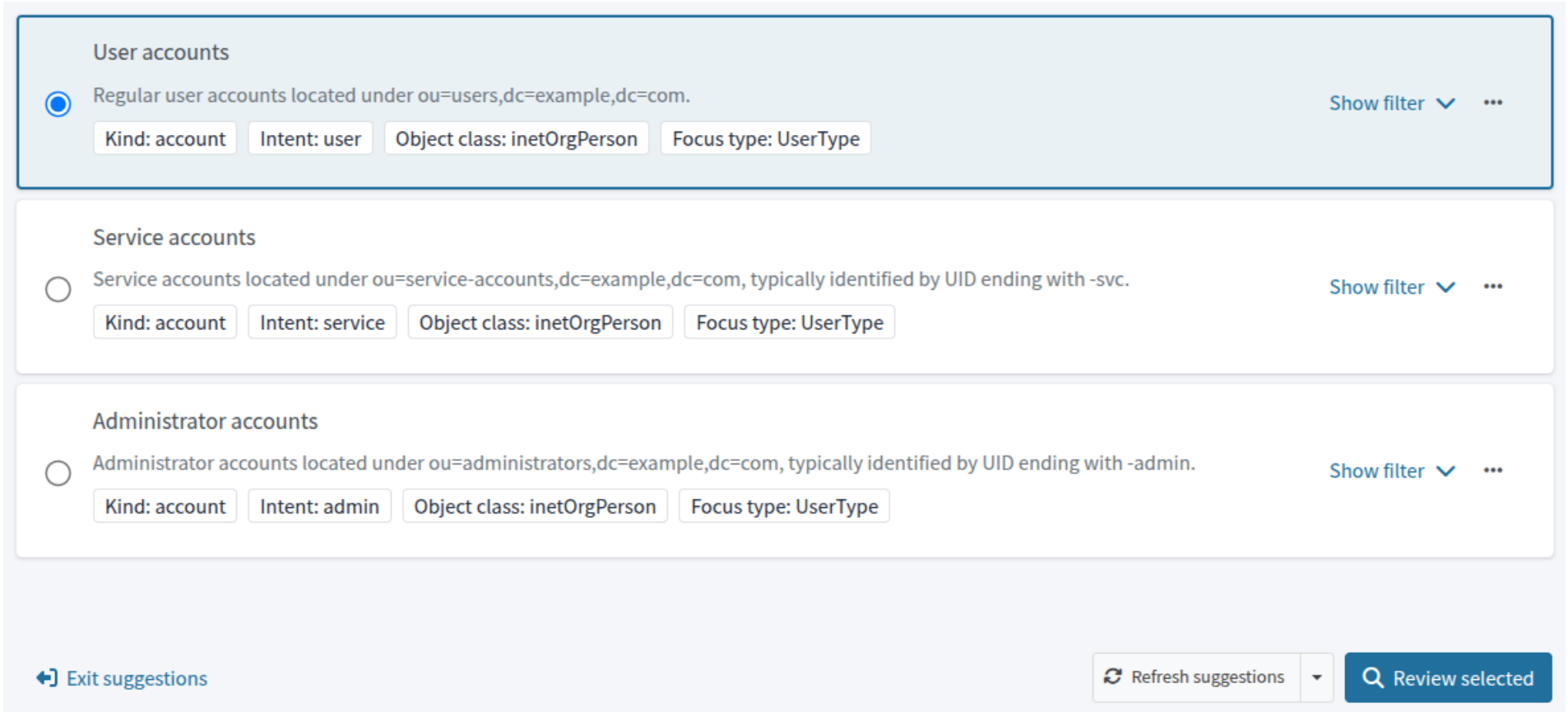
- Object types specify the appearance of resource objects and how midPoint handles them
- Classify data into object types using configuration assistants (AI/heuristics) or manually **NEW | MIDPILOT**
- Examples:
  - Standard accounts, Service accounts, Administration accounts
  - Internal groups, Application groups, Administration groups



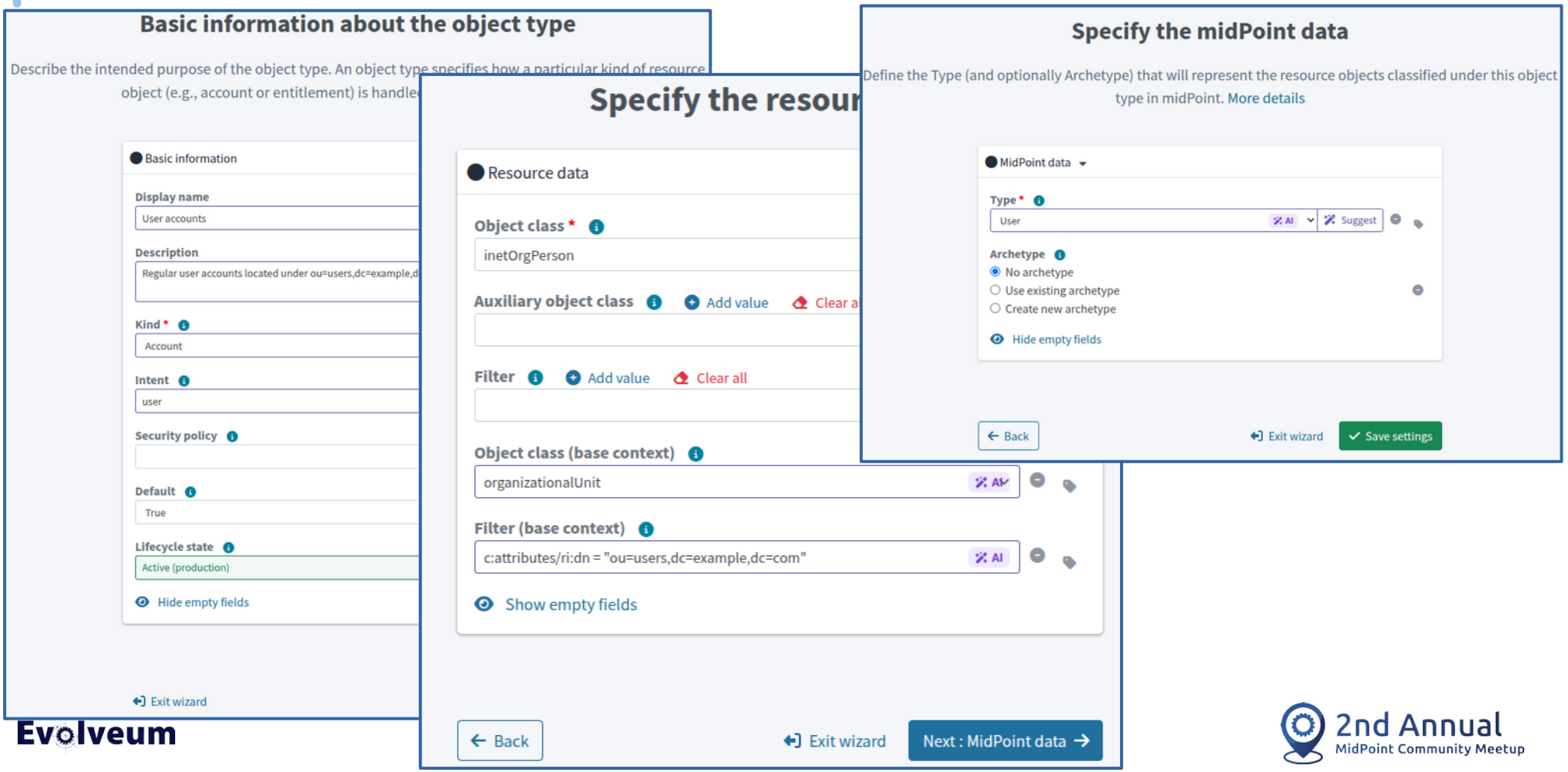
4. Connect the First Target System (LDAP) – Classify Data Into Object Types



4. Connect the First Target System (LDAP) – Classify Data Into Object Types



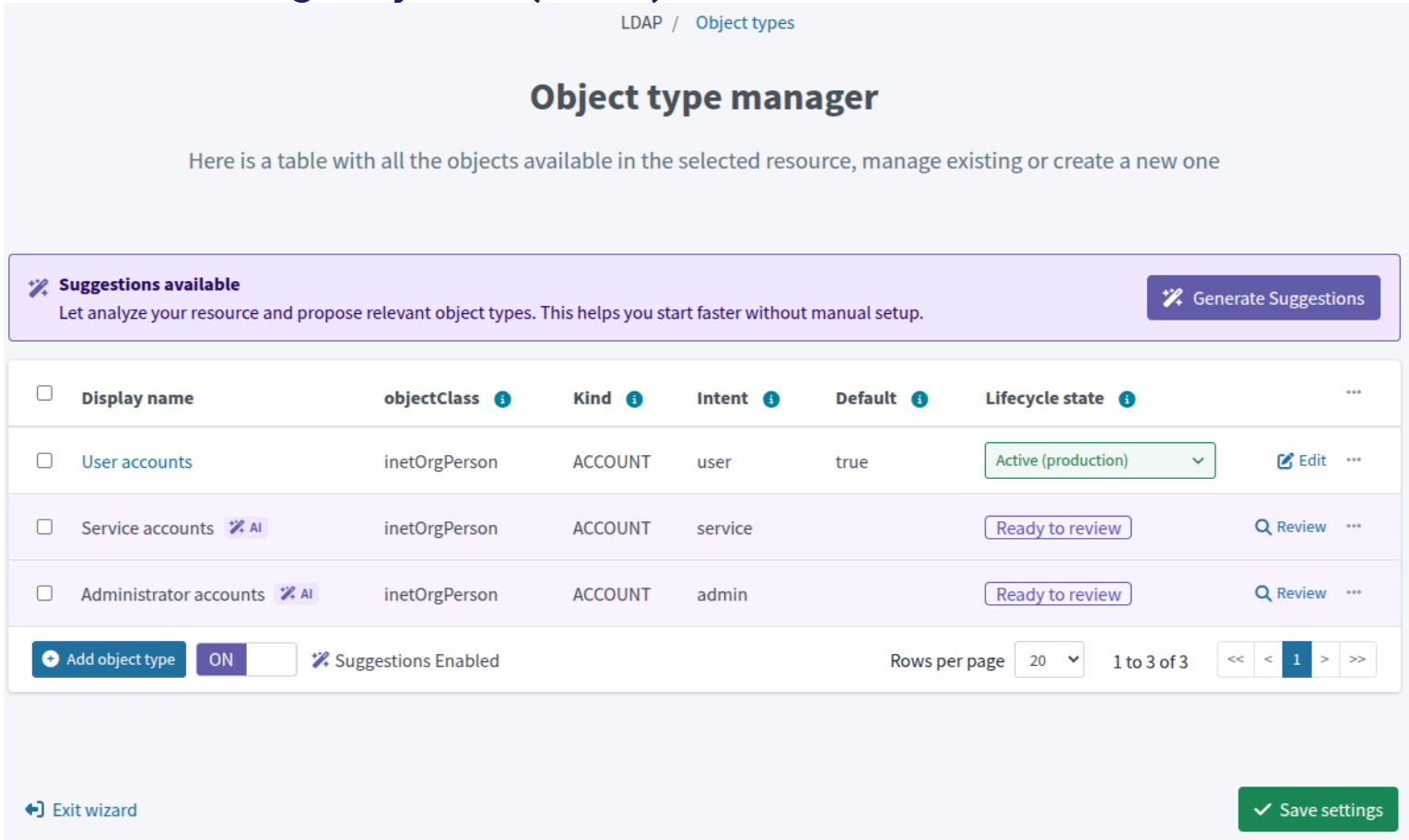
4. Connect the First Target System (LDAP) – Review Classifications



Evolveum

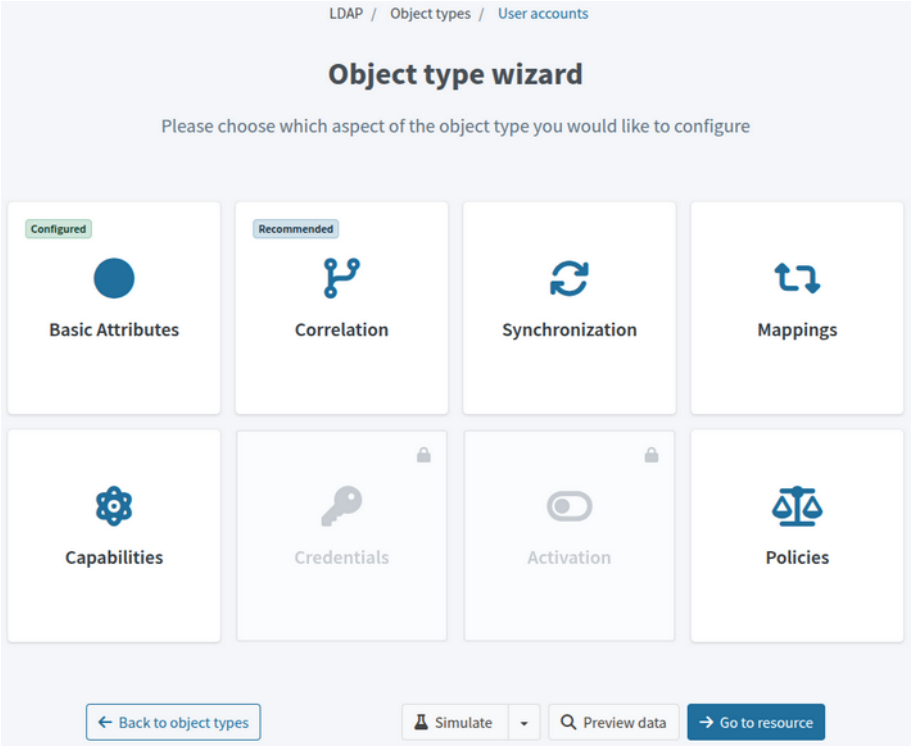
2nd Annual
MidPoint Community Meetup

4. Connect the First Target System (LDAP) – Review Classifications

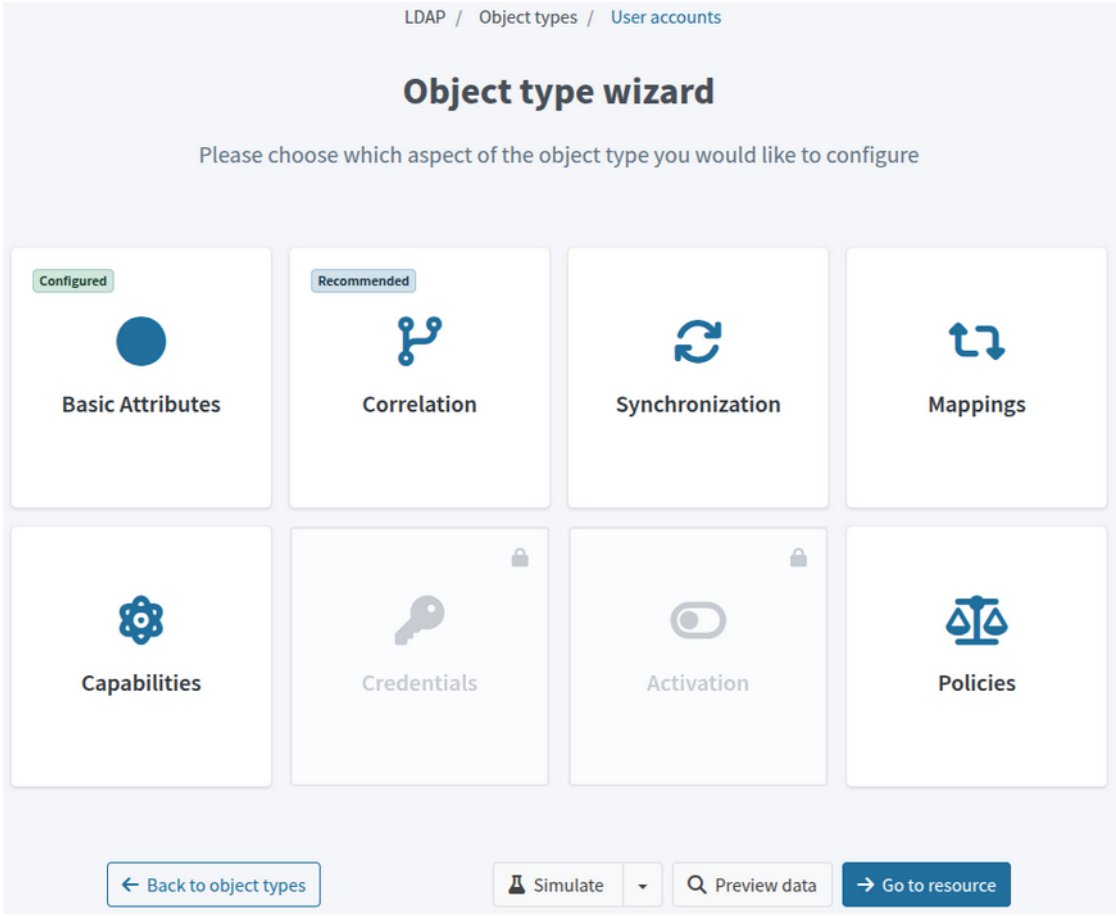


4. Connect the First Target System (LDAP) – Configure Object Types

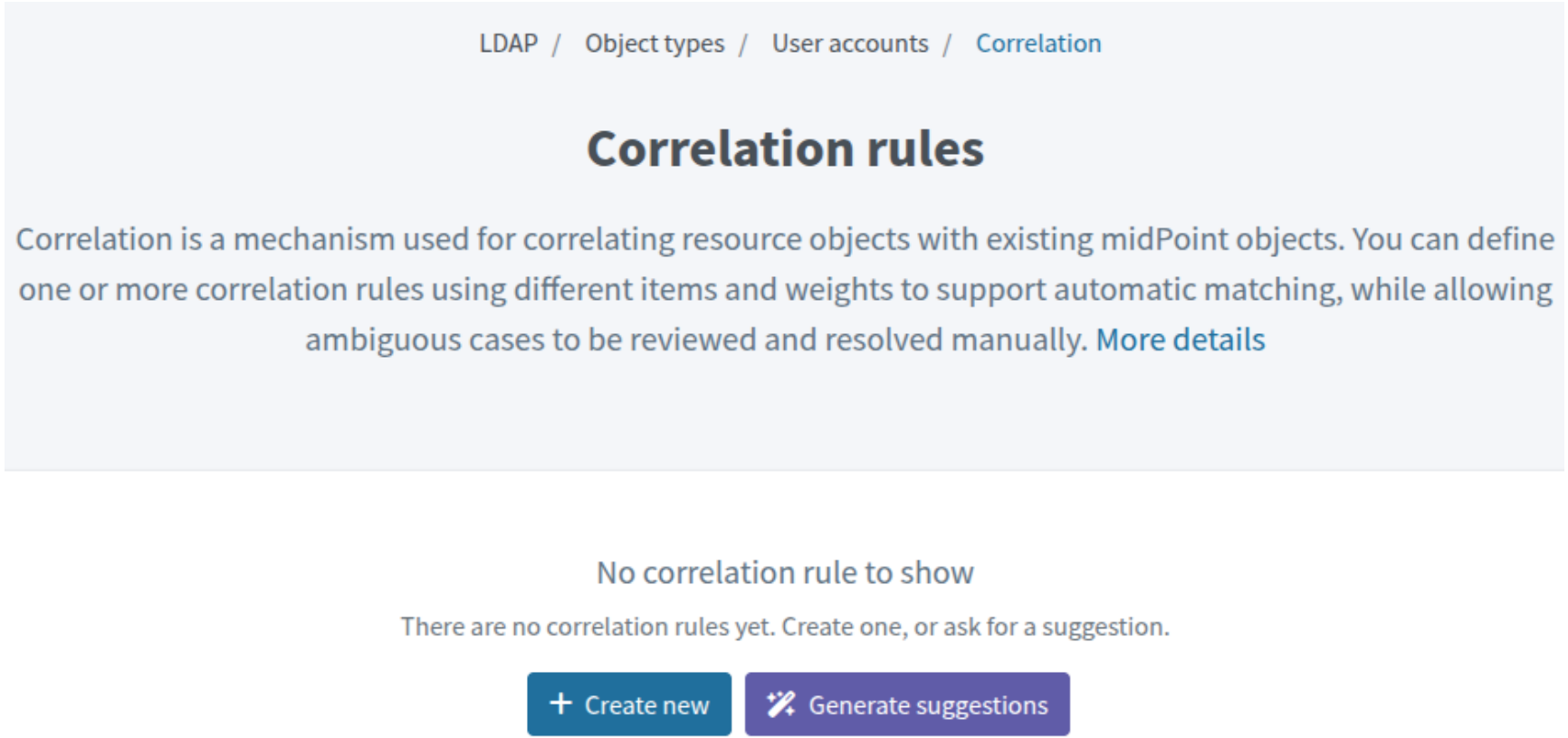
- Start with a single object type
- Configure object type using configuration assistants (AI/heuristics) or manually **NEW | MIDPILOT**
- Basic, Correlation, Synchronization, Mappings, Capabilities, etc.
- Correlation simulation **NEW | MIDPILOT**
- MidPoint suggests the order of configuration **NEW | MIDPILOT**



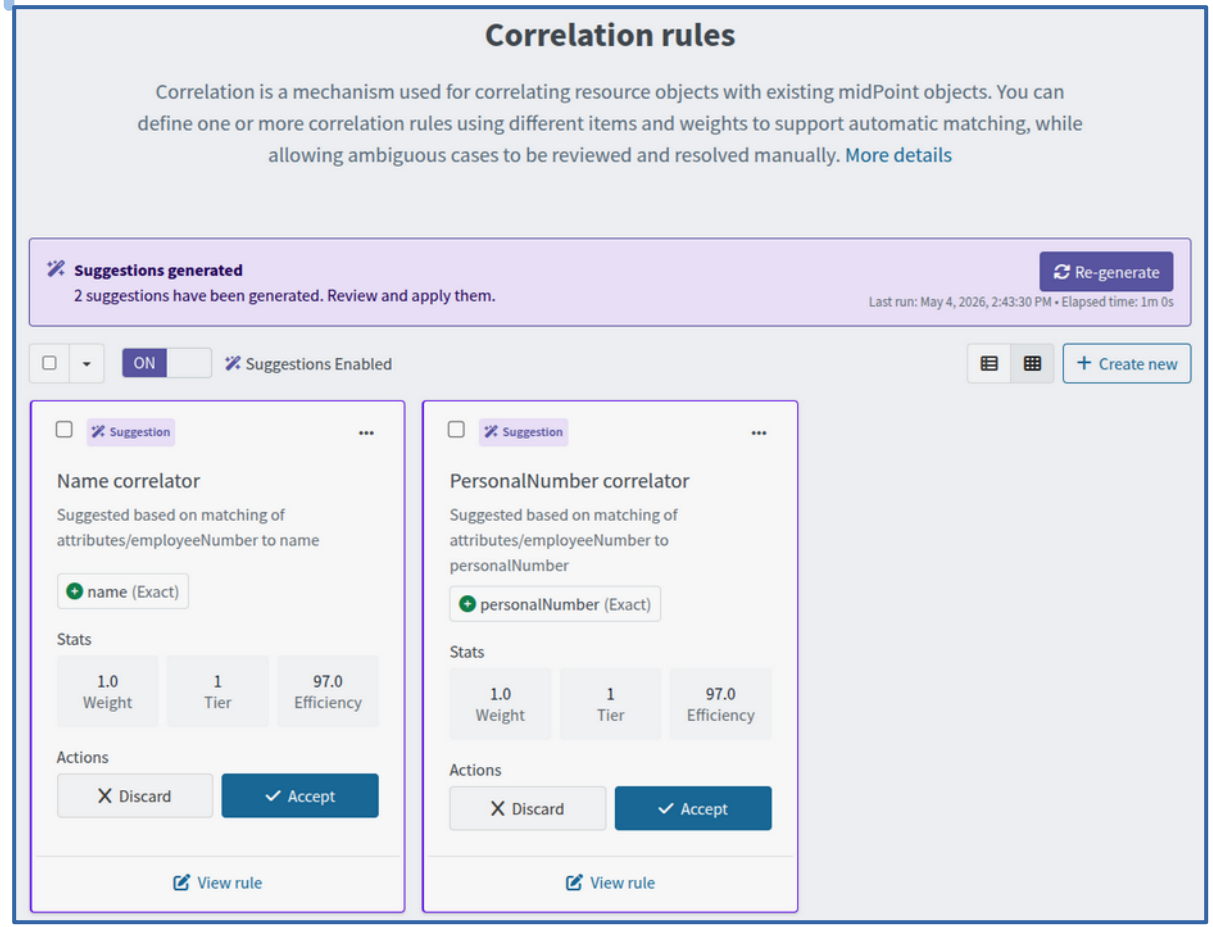
4. Connect the First Target System (LDAP) – Configure Object Types

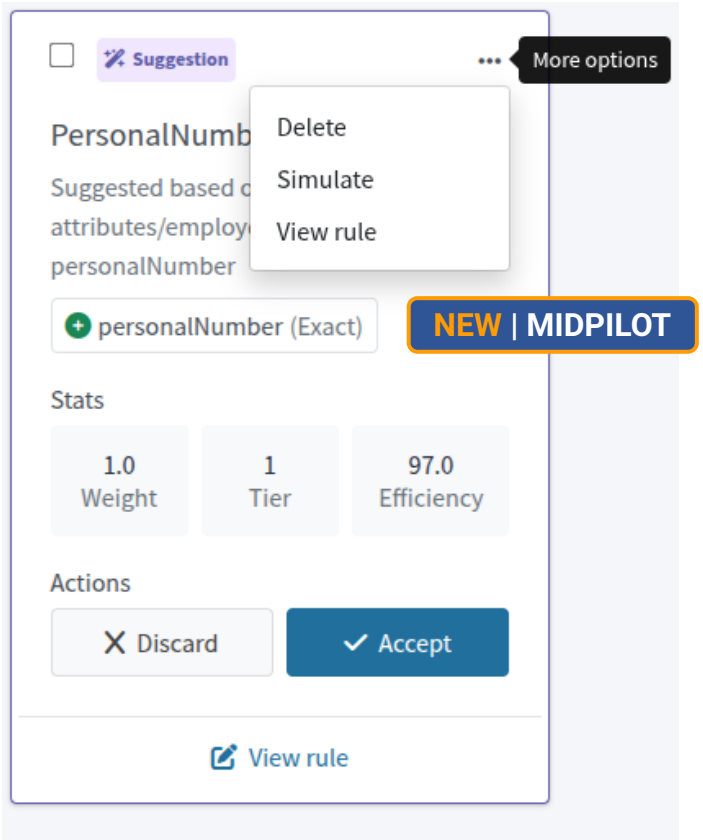


4. Connect the First Target System (LDAP) – Configure Object Types – Correlation



4. Connect the First Target System (LDAP) – Configure Object Types – Correlation

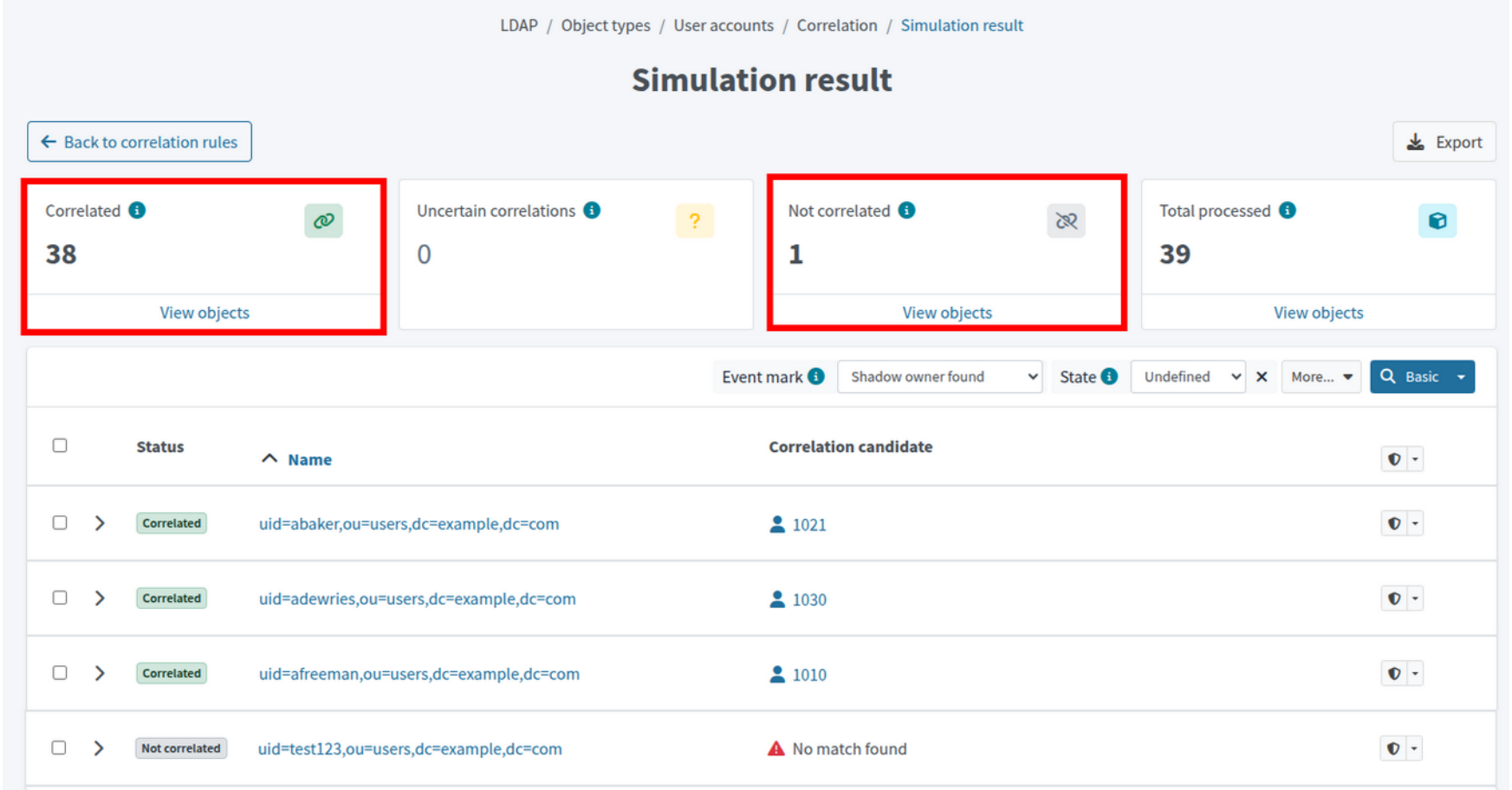




Evolveum

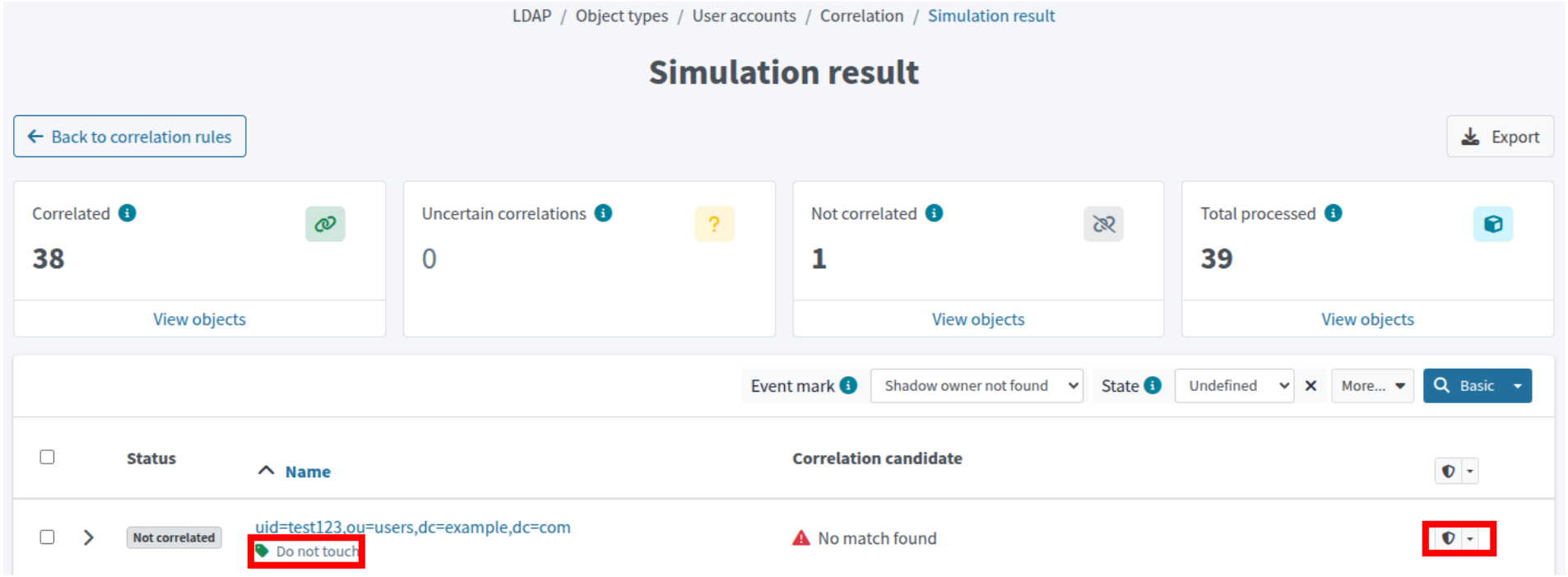
2nd Annual MidPoint Community Meetup

4. Connect the First Target System – Configure Object Types – Correlation Simulation



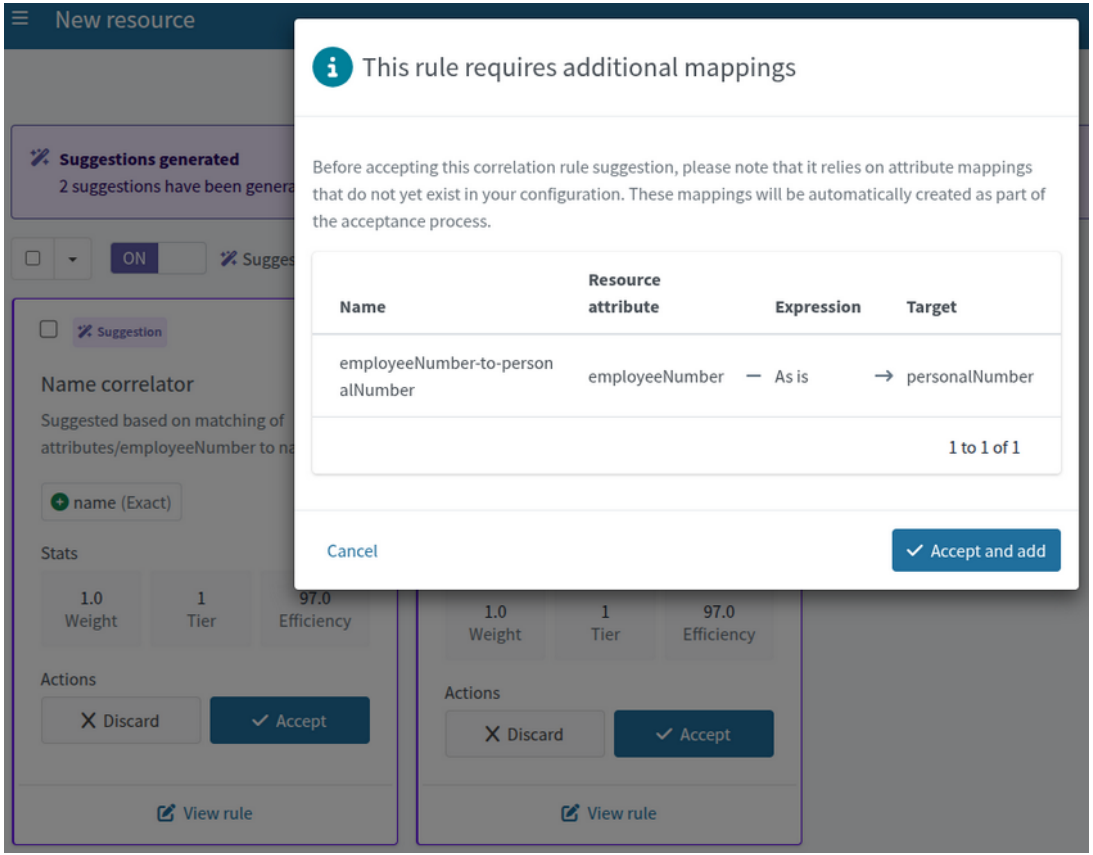
4. Connect the First Target System – Configure Object Types – Correlation Simulation

You can mark objects right in the correlation simulation to define exceptions (these objects will be ignored)

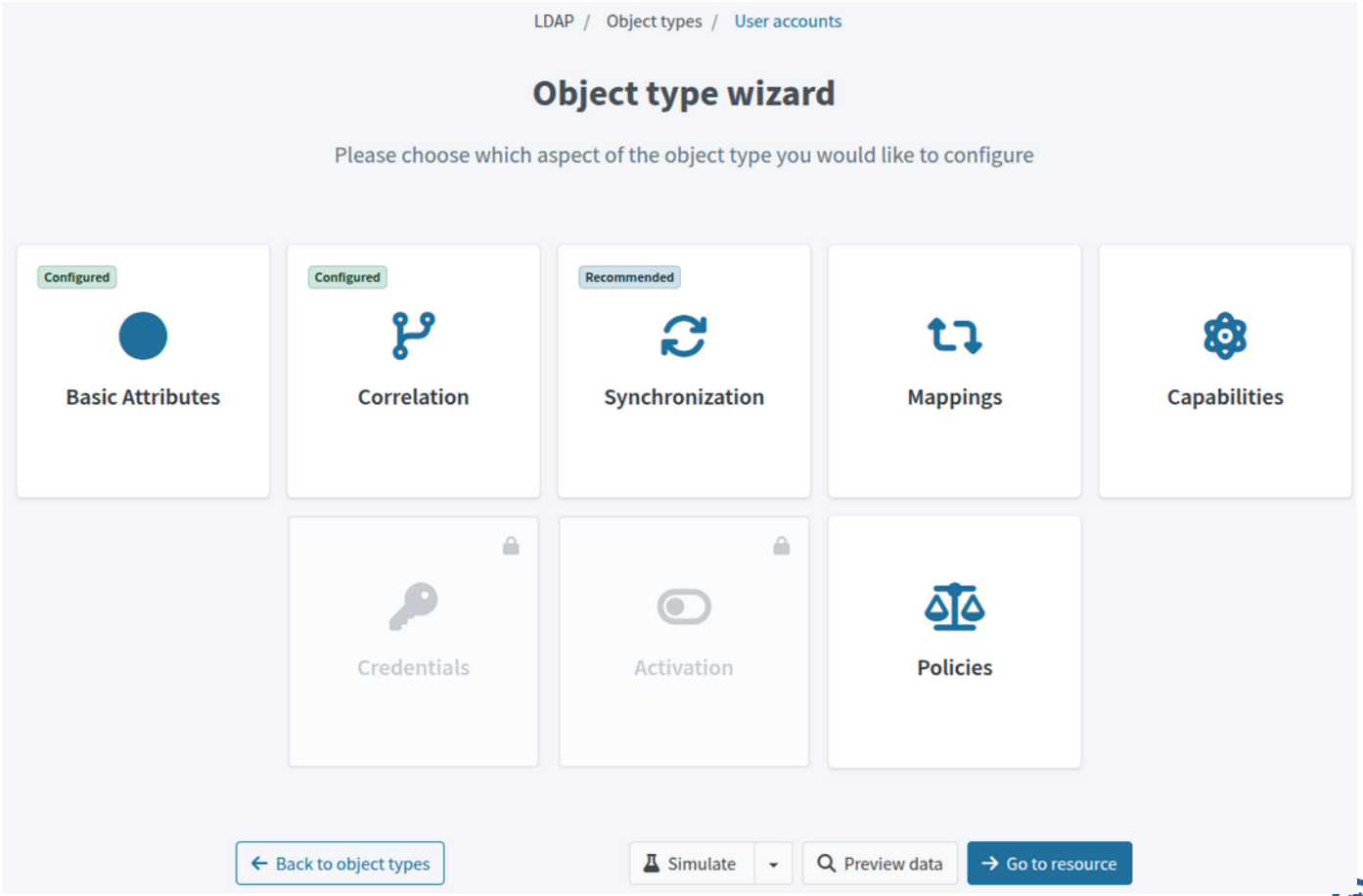


4. Connect the First Target System (LDAP) – Configure Object Types – Correlation

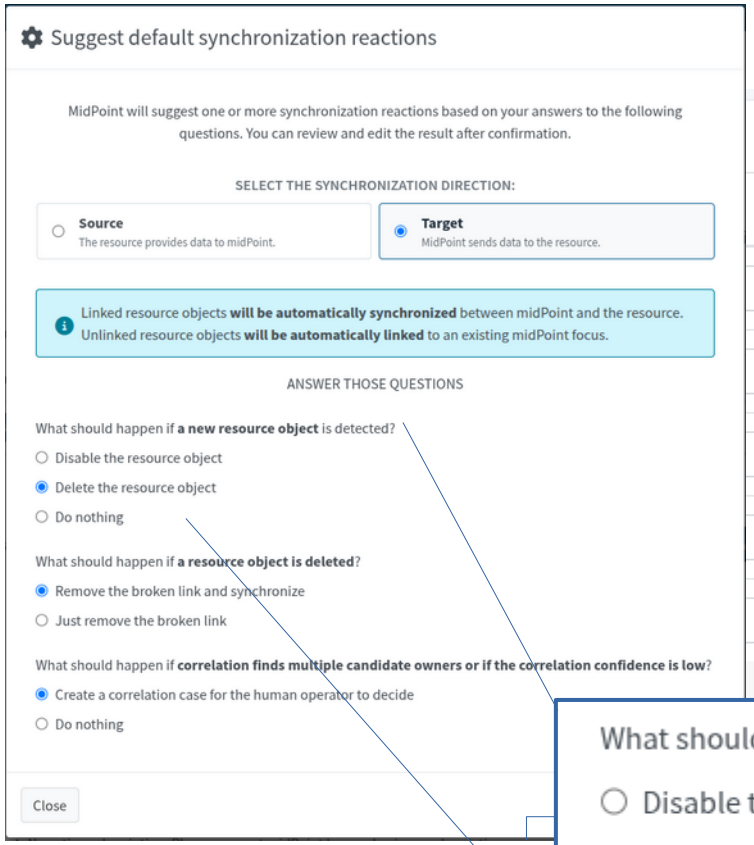
Accepting correlation configuration prompts to create inbound correlation mappings **NEW | MIDPILOT**



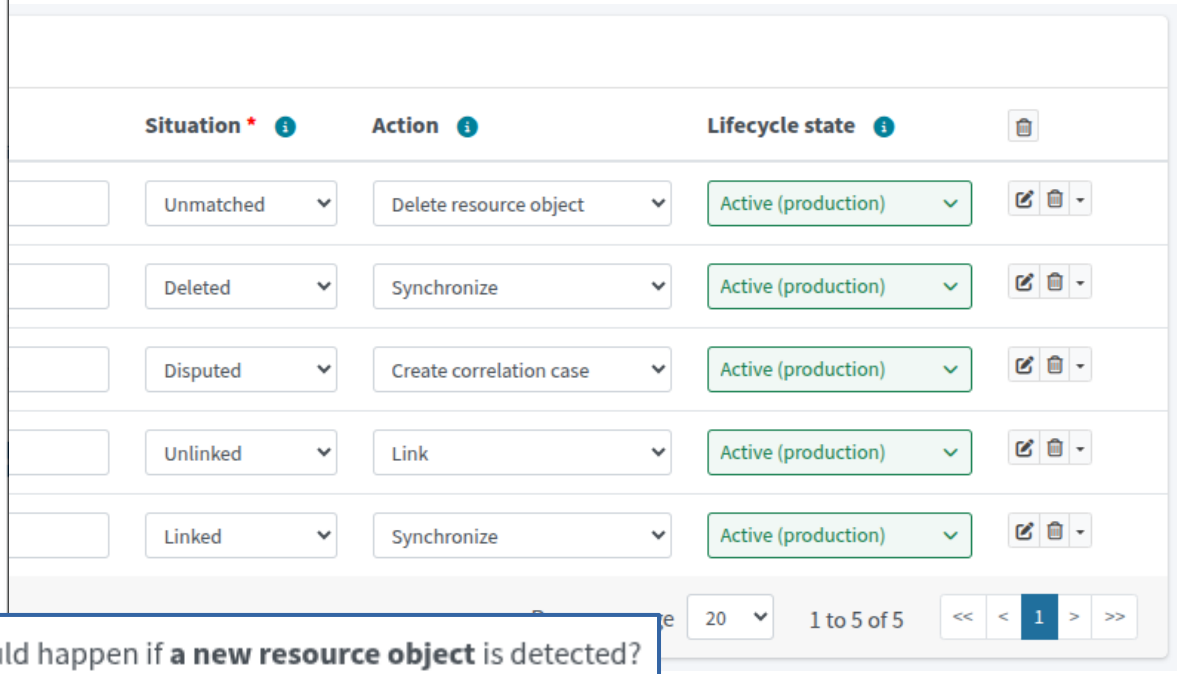
4. Connect the First Target System (LDAP) – Configure Object Types – Synchronization

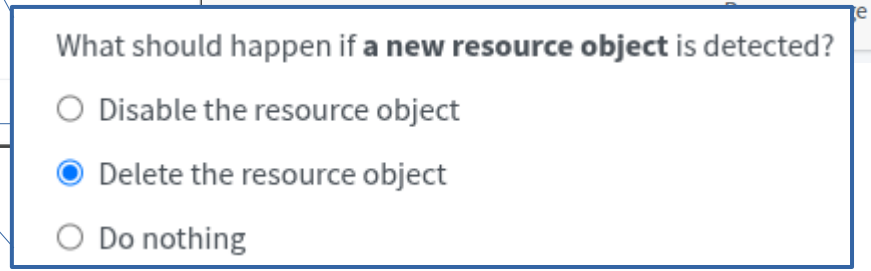


4. Connect the First Target System (LDAP) – Configure Object Types – Synchronization



NEW | MIDPILOT



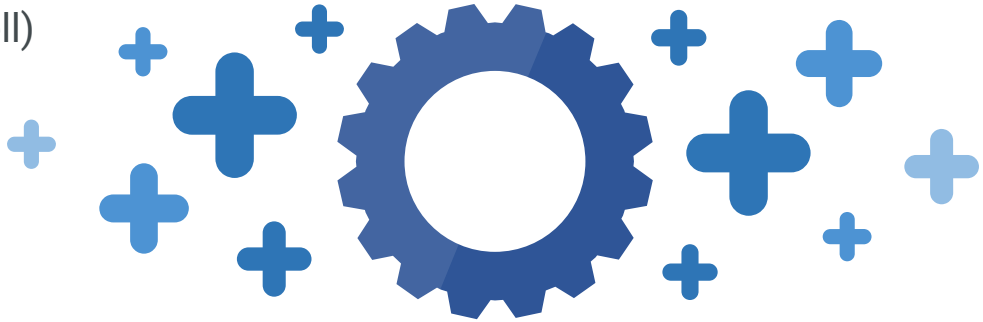


Evolveum

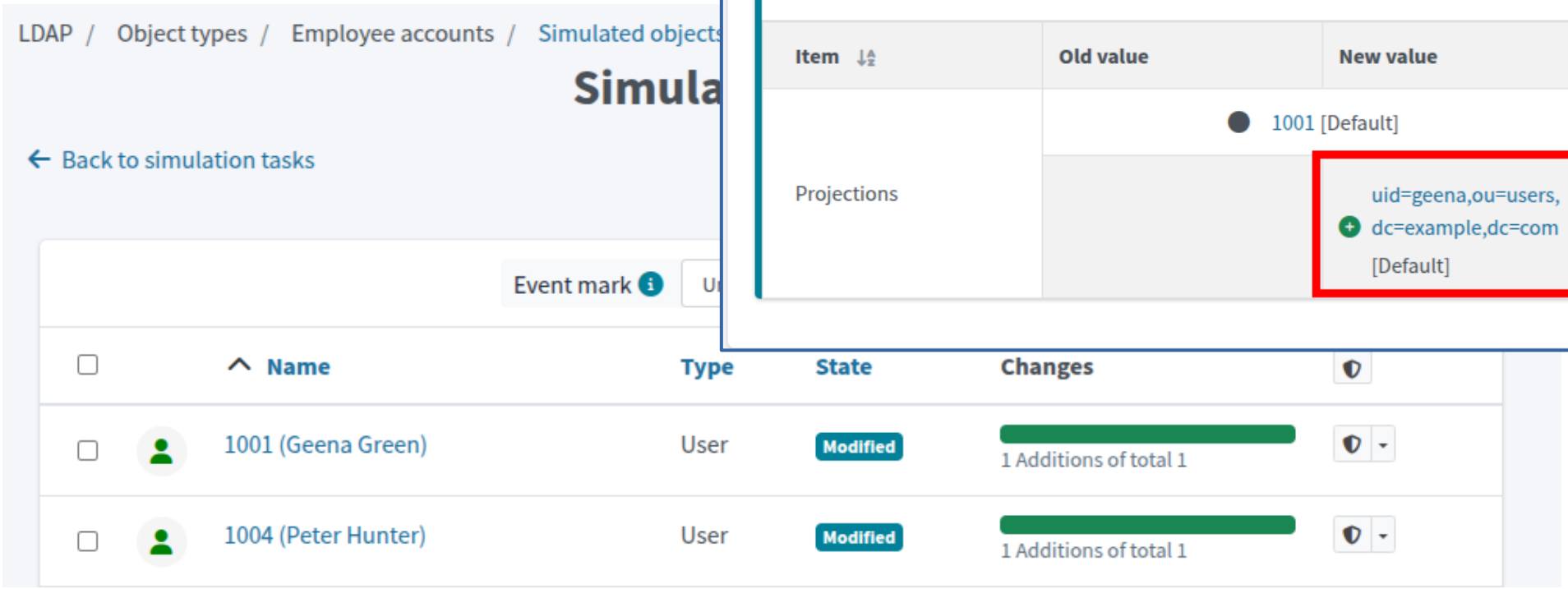
2nd Annual MidPoint Community Meetup

5. Target System Integration (LDAP)

- Simulate reconciliation
- Mark uncorrelatable data as exceptions and plan to handle them later (we can do it in correlation simulation as well)
  - Orphaned accounts
  - System (service) accounts
  - Unmatched accounts with invalid correlation data
- Correlate & link existing accounts to midPoint users
- Majority of the target system accounts are now linked to their midPoint owners



5. Target System Integration (LDAP) – Reconciliation – Development Simulation



Intermezzo: Simulations & Marks

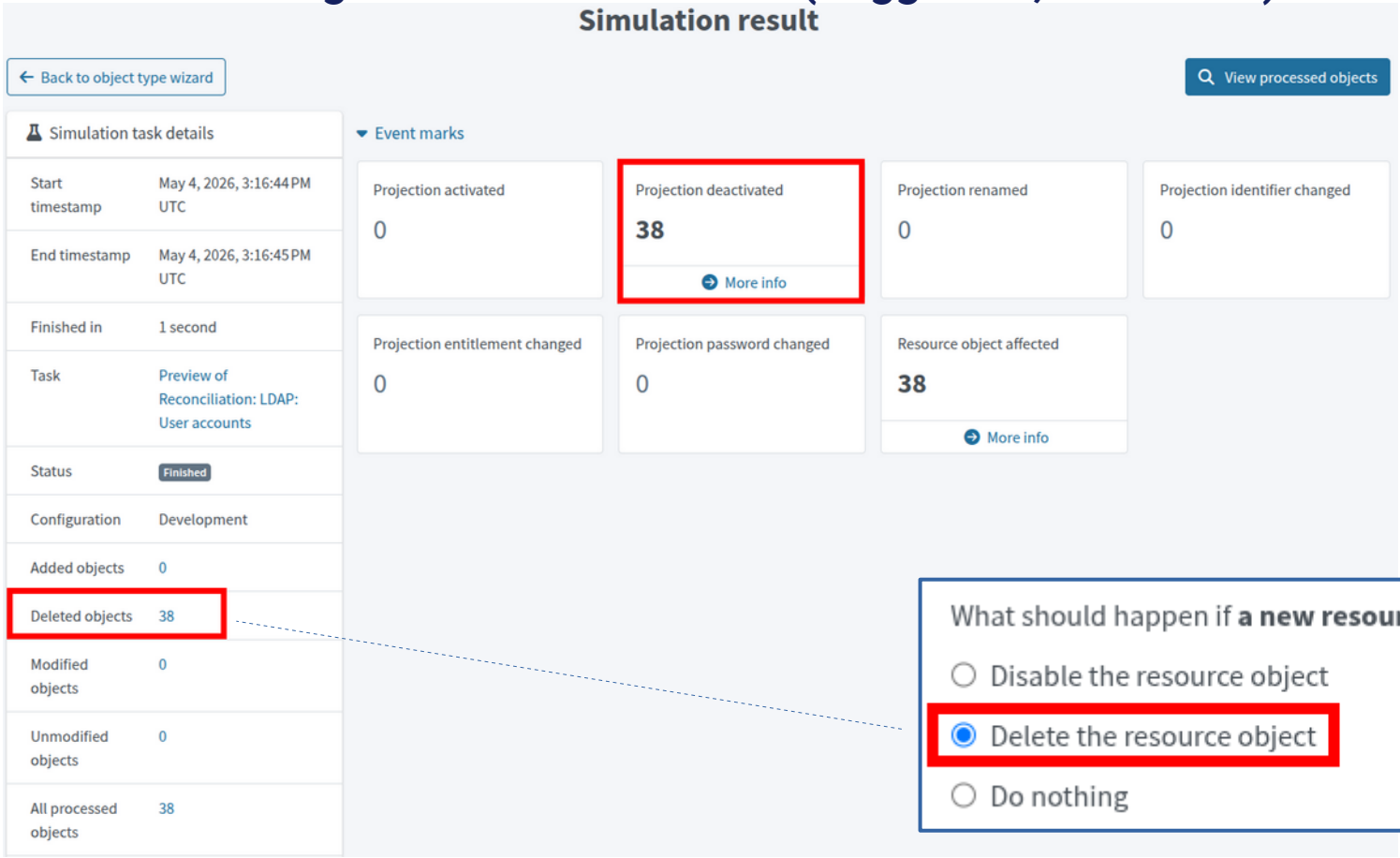
> **Look before you leap**
>
> **Aesop**

Why Simulations?

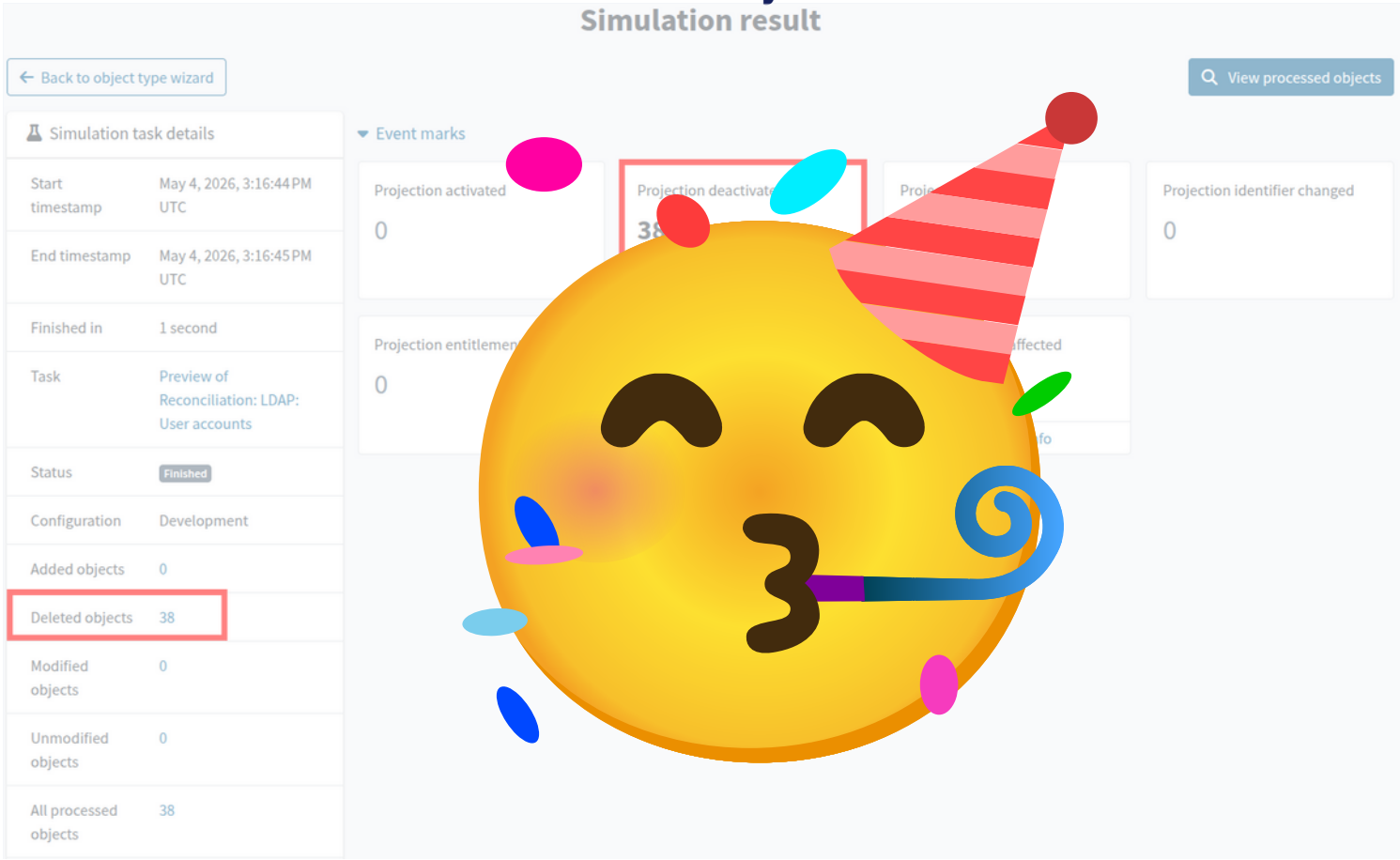
- Data can be unexpectedly deleted or modified by incorrect configuration and/or if target system data is inconsistent during midPoint deployment
- "**What would happen if…**" → You have time to react before you damage anything
- Clever usage of "lifecycle state" and "execution mode" to perform "Development" and "Production" simulation
  - Development: process "Active" and "Proposed" configuration
  - Production: process "Active" and "Deprecated" configuration
- Docs: Simulations

> **Look before you leap.**
>
> **Aesop**

Real Life Scenario: Forgotten Correlation Rule (Suggested, Not Saved)

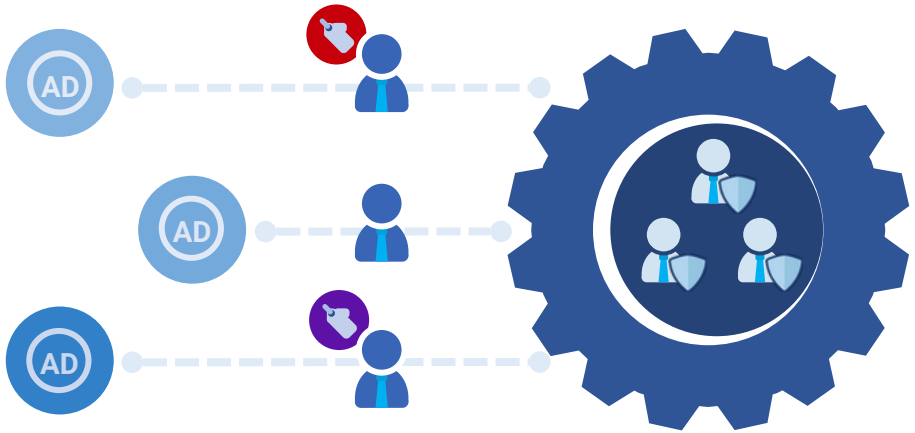


Real Life Scenario: Simulation Saved The Day



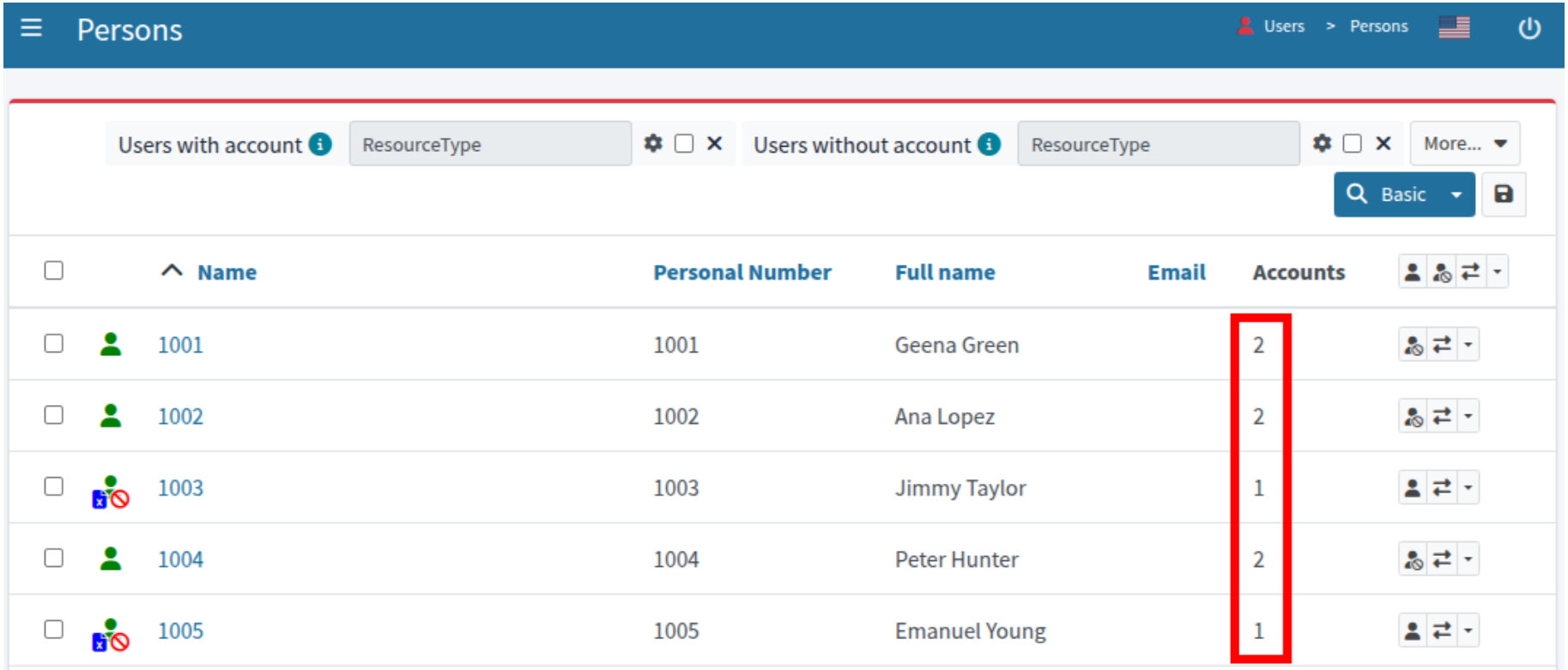
Why (Account) Marks?

- **Marks** allow **exceptions** from policies
  - Protected, Do not touch, Correlate later and more
- Example: protect certain accounts from being processed or deleted
  - Permanently, e.g. system accounts that won't be managed by midPoint
  - Temporarily/postpone decision, e.g. uncorrelated, undecided accounts
- Allow the deployment process to continue (e.g., accounts that seem to be system accounts)
- Also useful in reporting and analytics



5. Target System Integration (LDAP) – Reconciliation & Linking Accounts

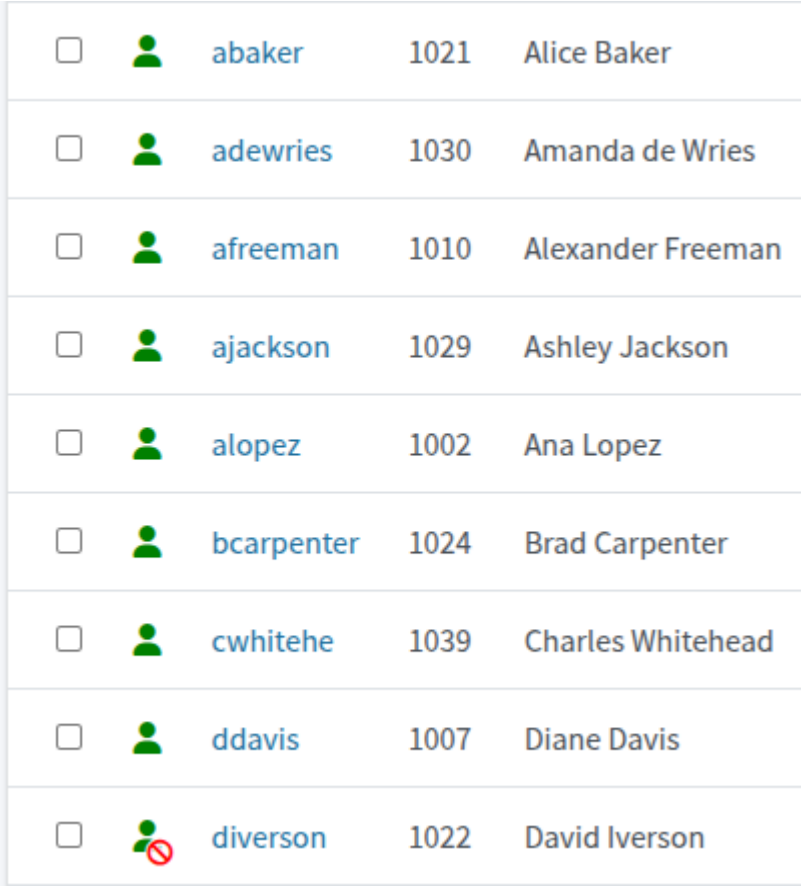
All *correlatable* Target system accounts are linked to their owners in midPoint



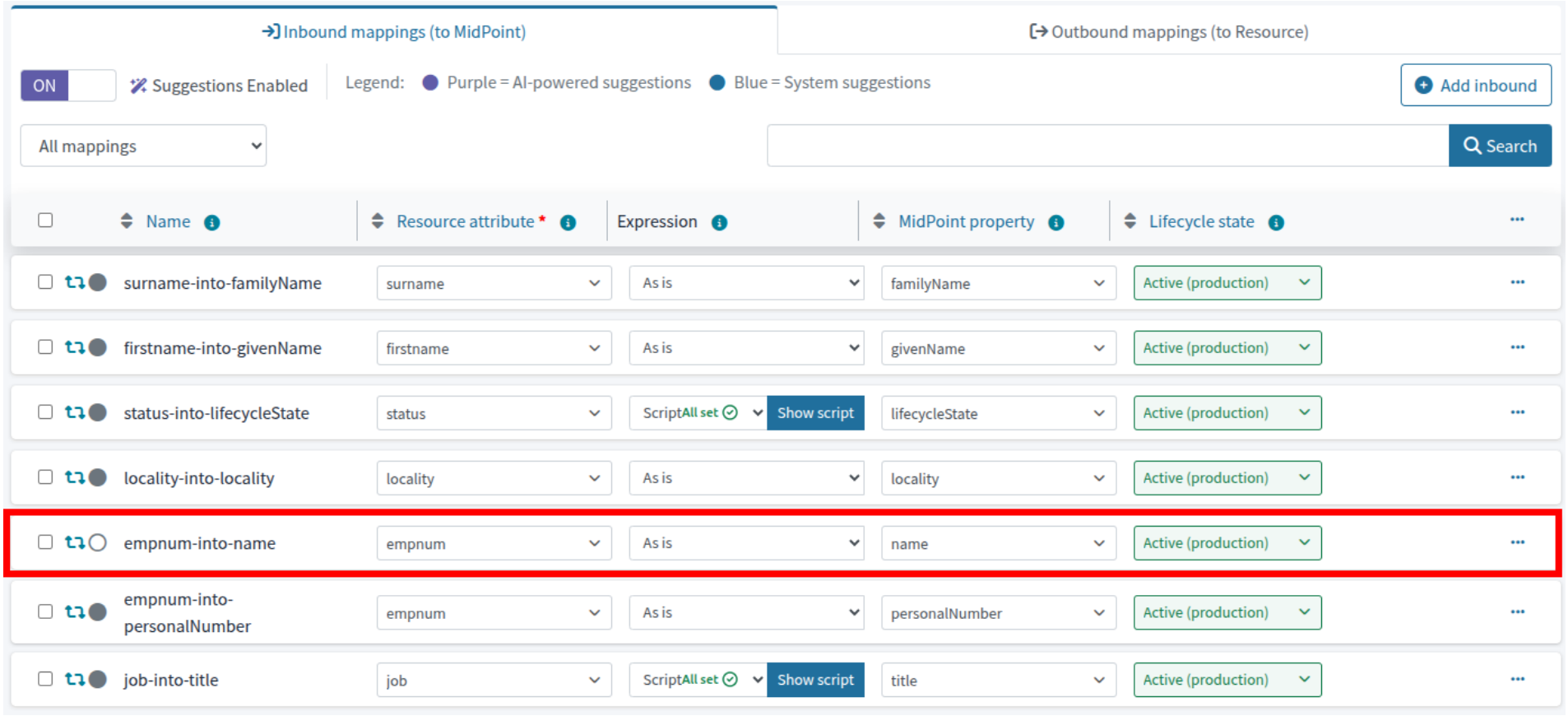
Name	Personal Number	Full name	Email	Accounts
1001	1001	Geena Green		2
1002	1002	Ana Lopez		2
1003	1003	Jimmy Taylor		1
1004	1004	Peter Hunter		2
1005	1005	Emanuel Young		1

6. (Optional) Import Usernames from Target System (LDAP)

- You can import usernames to midPoint (if HR system does not have them)
- Reconfigure the original mapping in Source resource to be “weak” (E.g.: empnum → name)
- Prepare a new inbound mapping from Target system
- Simulate username import from Target system to midPoint
- Import usernames from Target system to midPoint

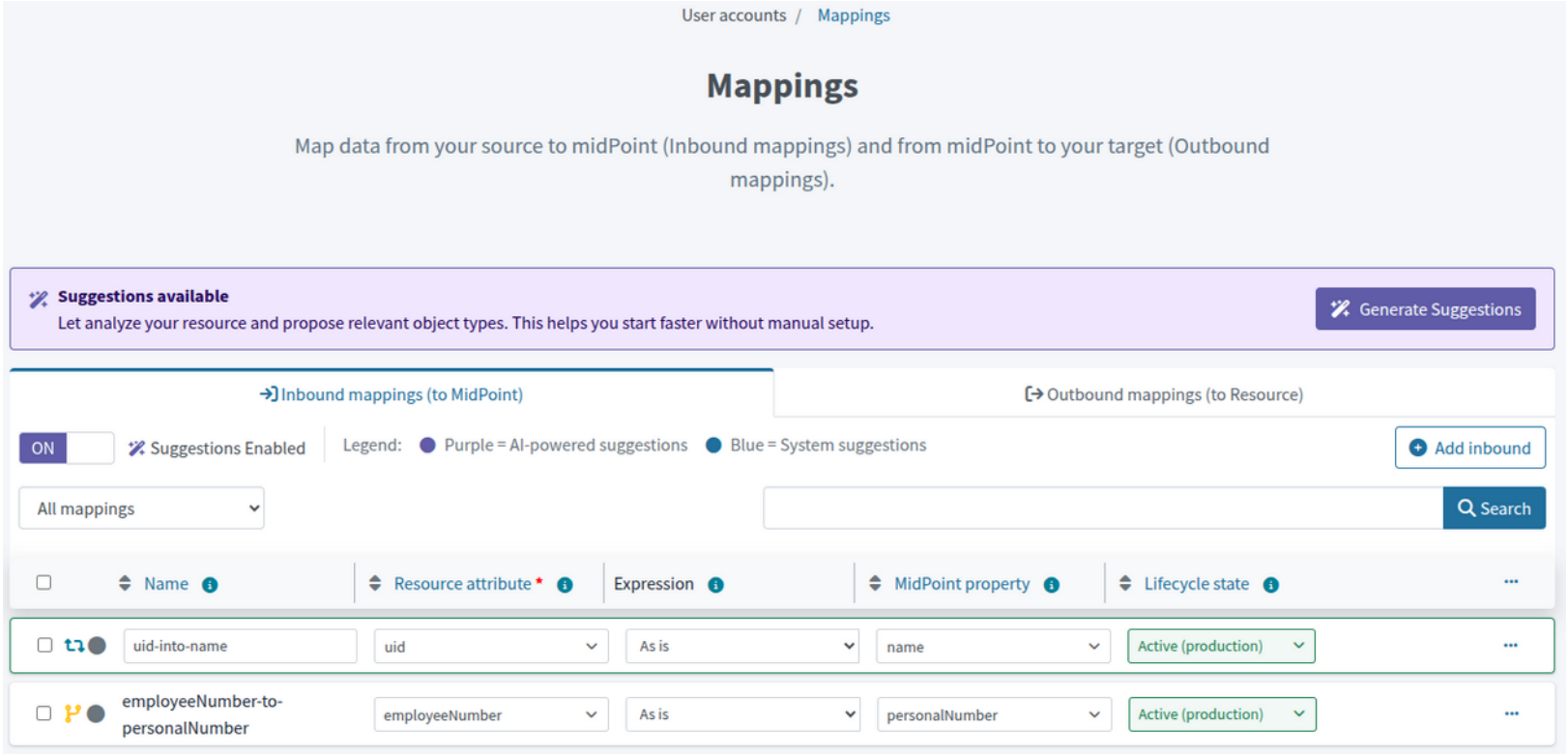


6. (Optional) Import Usernames from Target System – Set HR Mapping to “Weak”

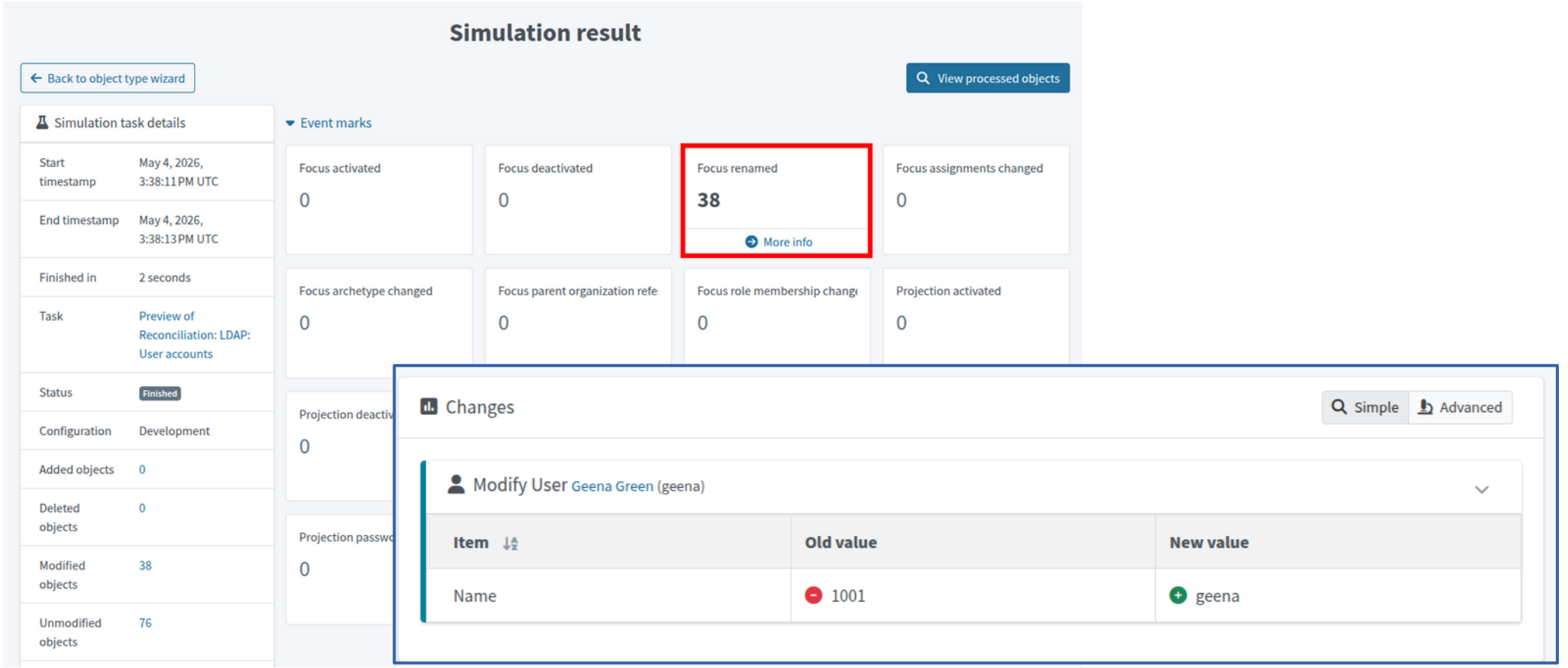


6. (Optional) Import Usernames from Target System – Add Inbound Mapping

This mapping overrides username mapping from HR



6. (Optional) Import Usernames from Target System (LDAP) – Reconciliation – Simulation



6. (Optional) Import Usernames from Target System (LDAP) – Reconciliation

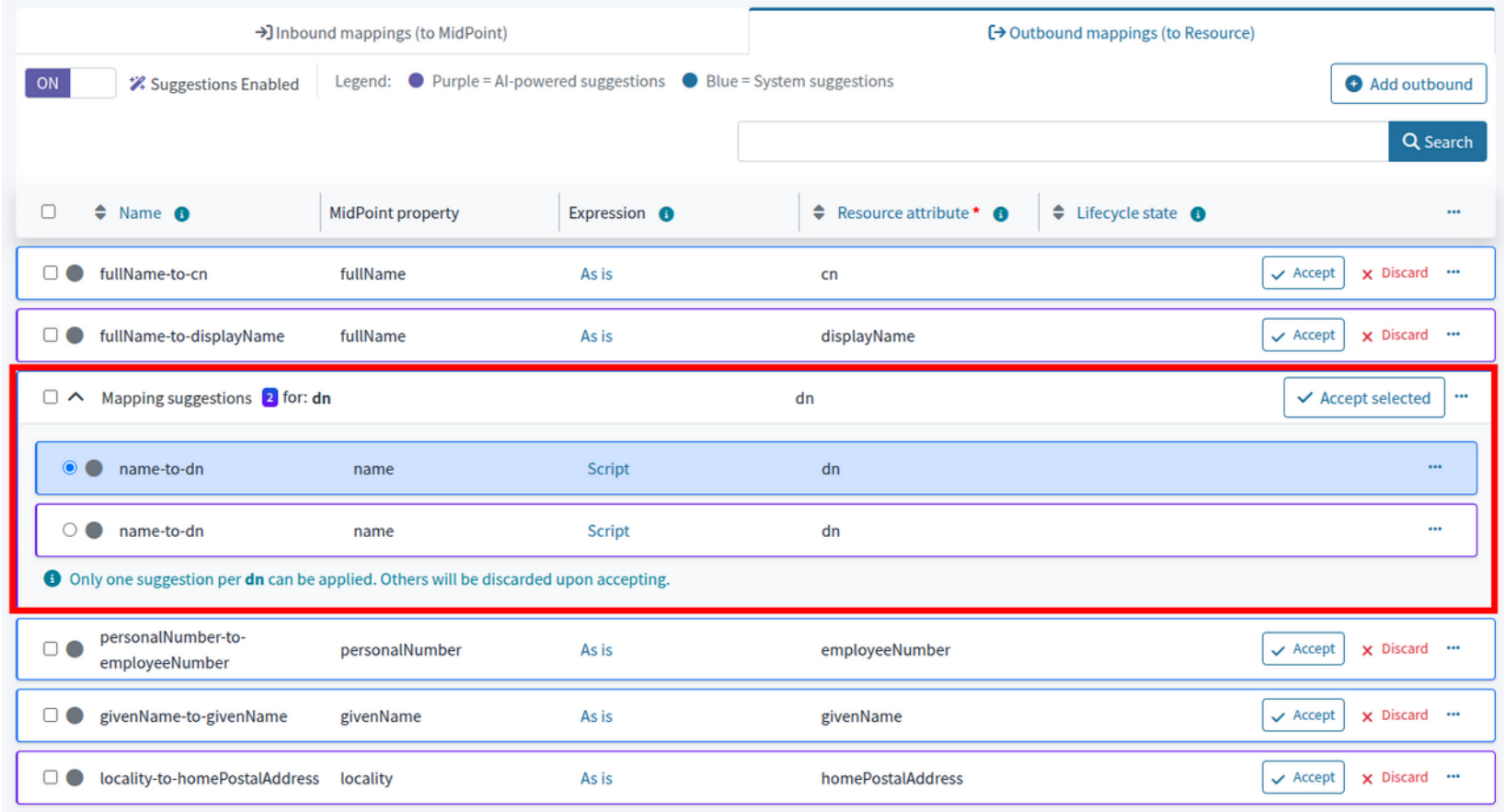
Owners of all *linked* Target system accounts are renamed

	Name	Personal Number	Full name	Email	Accounts
	1003	1003	Jimmy Taylor		1
	1005	1005	Emanuel Young		1
	abaker	1021	Alice Baker		2
	adewries	1030	Amanda de Wries		2
	afreeman	1010	Alexander Freeman		2

7. Enable Provisioning to Target System (LDAP)

- Configure Target resource for provisioning from midPoint (Outbound Mappings + Activation, Credentials) using AI/heuristics configuration assistants or manually **NEW | MIDPILOT**
- Set all outbound mappings' lifecycle state to: Proposed
- Simulate reconciliation, review data inconsistencies
  - Update mappings, use marks or allow midPoint to update target system data
- Set all outbound mappings' lifecycle state to: Active
- Run reconciliation with Target System

7. Enable Provisioning to Target System (LDAP): Outbound Mappings



7. Enable Provisioning to Target System (LDAP): Outbound Mappings

Outbound mappings generated, accepted and ready for simulation (Proposed).

Name	MidPoint property	Expression	Resource attribute *	Lifecycle state
fullName-to-cn	fullName ×	As is	cn	Proposed (simulation)
fullName-to-displayName	fullName ×	As is	displayName	Proposed (simulation)
name-to-dn	name ×	Script All set Show script	dn	Proposed (simulation)
personalNumber-to-employeeNumber	personalNumber ×	As is	employeeNumber	Proposed (simulation)
givenName-to-givenName	givenName ×	As is	givenName	Proposed (simulation)
locality-to-l	locality ×	As is	l	Proposed (simulation)
familyName-to-sn	familyName ×	As is	sn	Proposed (simulation)
title-to-title	title ×	Script All set Show script	title	Proposed (simulation)
name-to-uid	name ×	As is	uid	Proposed (simulation)

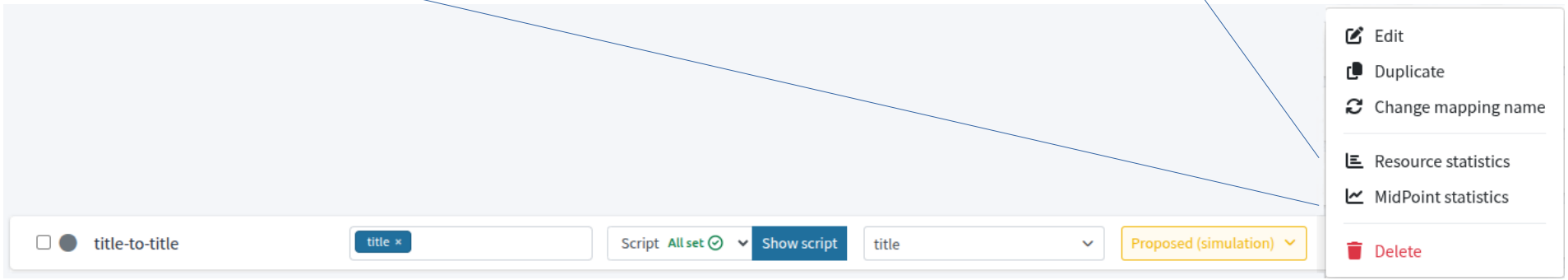
7. Enable Provisioning to Target System (LDAP): Outbound Mappings

Attribute statistics may help you to create script expressions if needed.

NEW | MIDPILOT

Value	Count	Percentage
Junior Consultant	5	13.16%
Sales Representative	4	10.53%
Agent Recruitment Specialist	3	7.89%
Negotiation Specialist	2	5.26%
Senior Consultant	2	5.26%

Value	Count	Percentage
Junior Consultant (Example, Inc.)	5	13.16%
Agent Recruitment Specialist (Example, Inc.)	3	7.89%
Sales Representative (Example, Inc.)	3	7.89%
Service Development Specialist (Example, Inc.)	2	5.26%
Senior Consultant (Example, Inc.)	2	5.26%

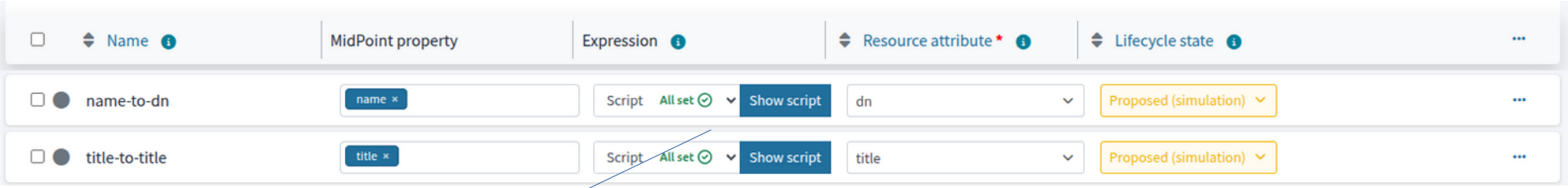


Evolveum

2nd Annual MidPoint Community Meetup

7. Enable Provisioning to Target System (LDAP): Outbound Mappings

Outbound mapping scripts generated by AI (including descriptions)



Description

Compose DN: uid=<name>,ou=users,dc=example,dc=com

Language

Groovy (default)

Code

```
1  basic.composeDnWithSuffix('uid', name, 'ou=users,dc=example,dc=com')
```

Description

Append company suffix to title

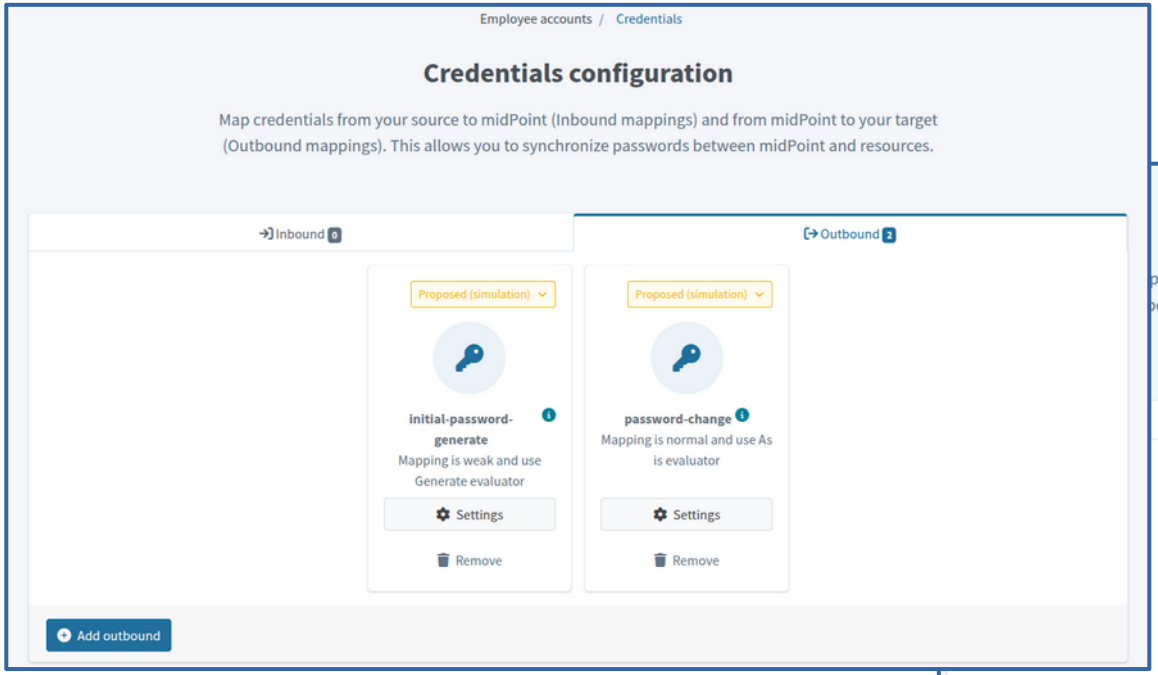
Language

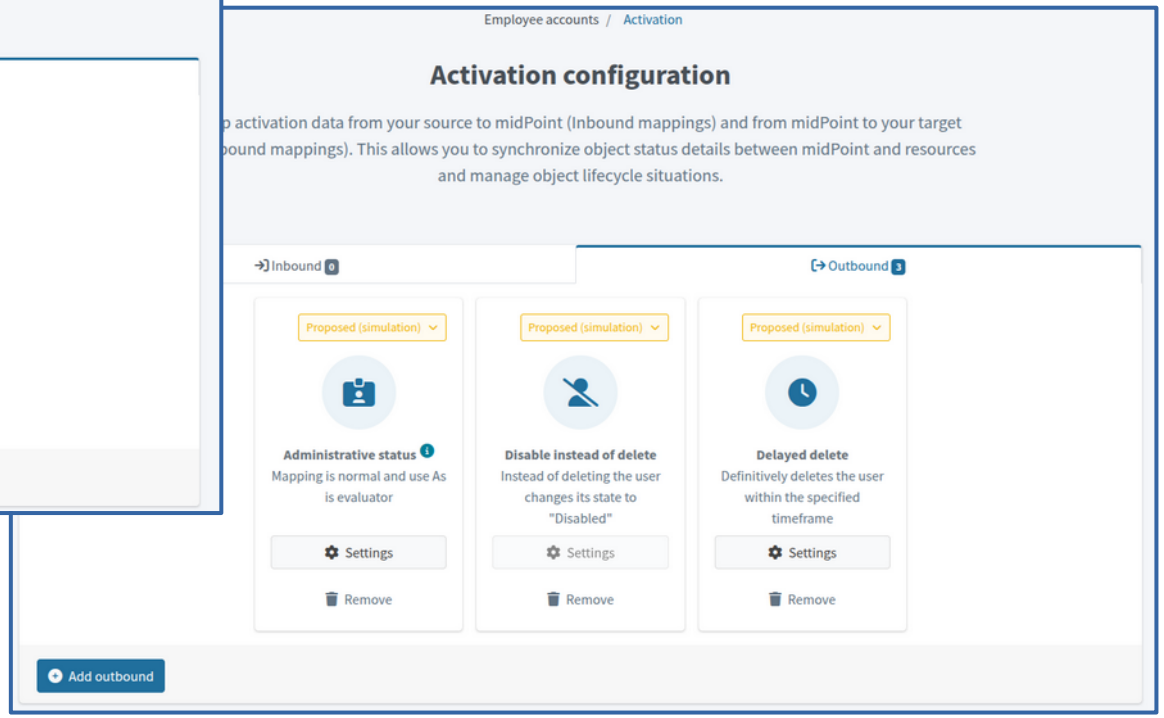
Groovy (default)

Code

```
1  // Append company suffix to title
2  title ? title + " (Example, Inc.)" : title
```

7. Enable Provisioning to Target System (LDAP): Outbound Credentials + Activation Mappings

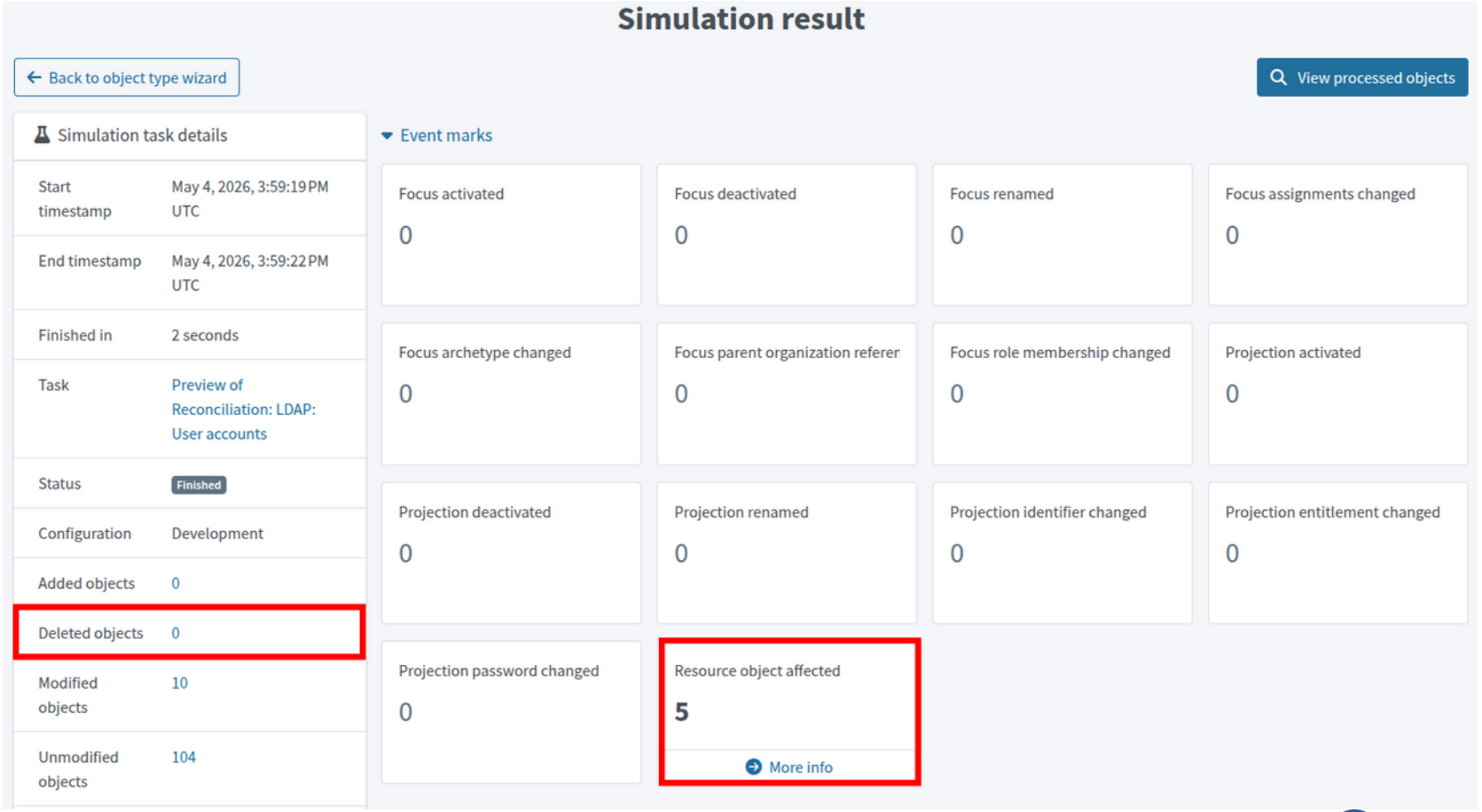




Evolveum

2nd Annual MidPoint Community Meetup

7. Enable Provisioning to Target System (LDAP): Reconciliation – Simulation



7. Enable Provisioning to Target System (LDAP): Reconciliation – Simulation

Review changes; some are actually corrections of low quality data.

Modify Shadow uid=ejones27,ou=users,dc=example,dc=com

Modify Employee accounts **attributes**

Item	Old value	New value
cn	Ema Jones	Emma Jones

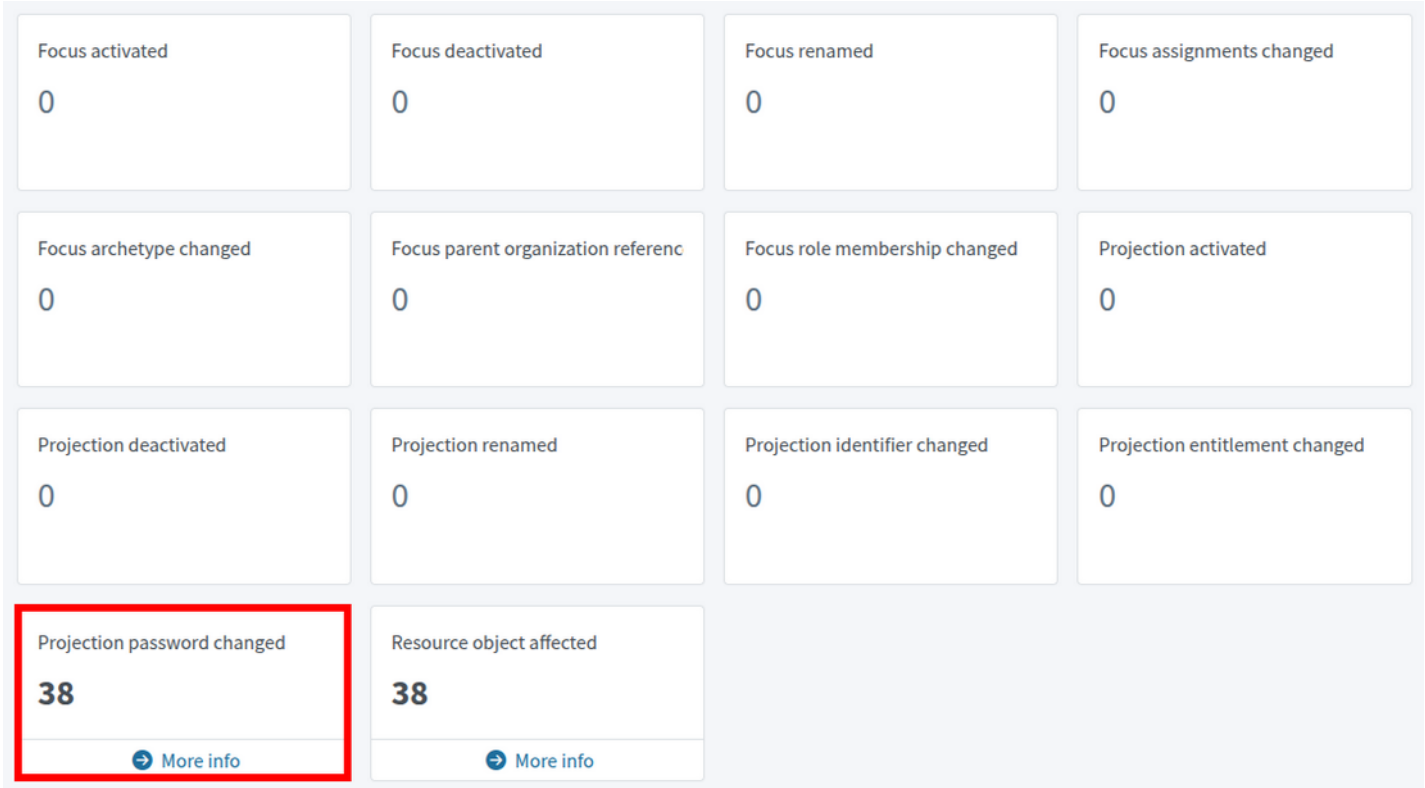
Modify Shadow uid=afreeman,ou=users,dc=example,dc=com

Modify User accounts **attributes**

Item	Old value	New value
title	Sales Rep.	Sales Representative (Example, Inc.)
cn	Alex Freeman	Alexander Freeman
givenName	Alex	Alexander
displayName	Alex Freeman	Alexander Freeman

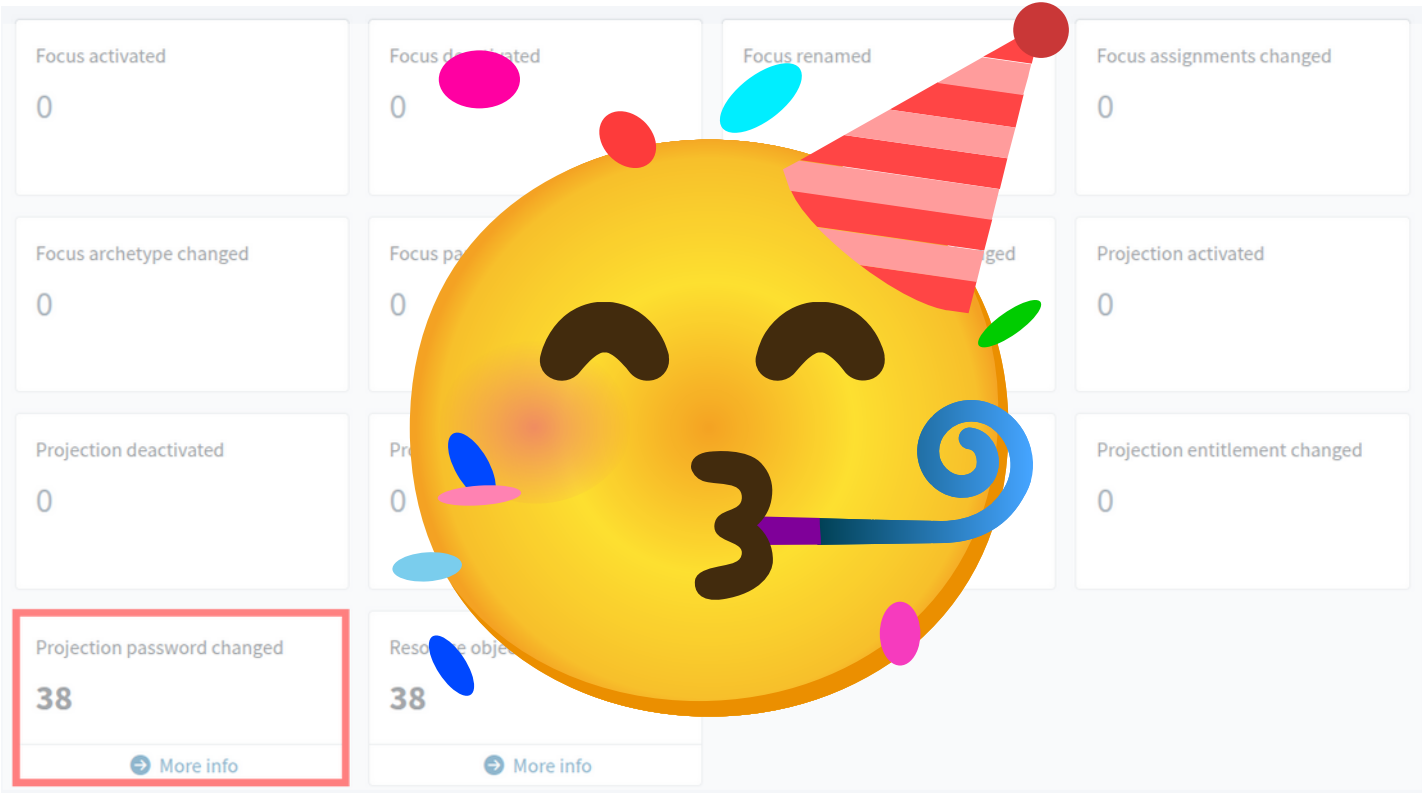
Real Life Scenario: Simulation Saved the Day Again

Review changes; some could be **very dangerous**! Here, all account passwords would be changed.



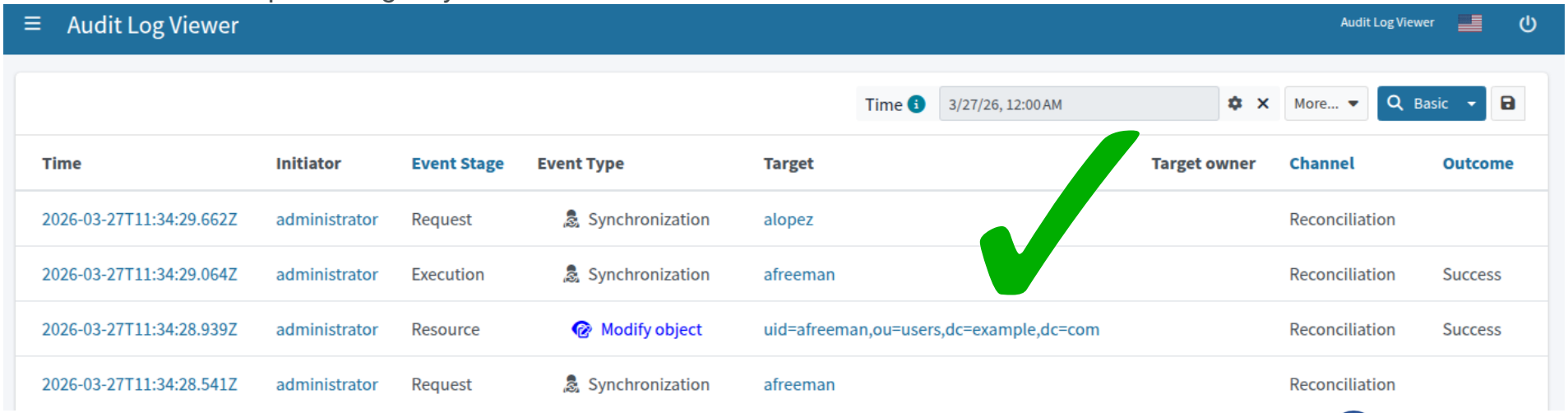
Real Life Scenario: Simulation Saved the Day Again

Review changes; some could be **very dangerous**! Here, all account passwords would be changed.



7. Enable Provisioning to Target System (LDAP): Reconciliation

- Review data inconsistencies detected by simulations and decide:
  - Update mappings (e.g. mapping expressions depending on specific users, etc.)
  - Use marks to make exceptions for specific data (to temporarily ignore certain accounts)
  - Let midPoint update target system data

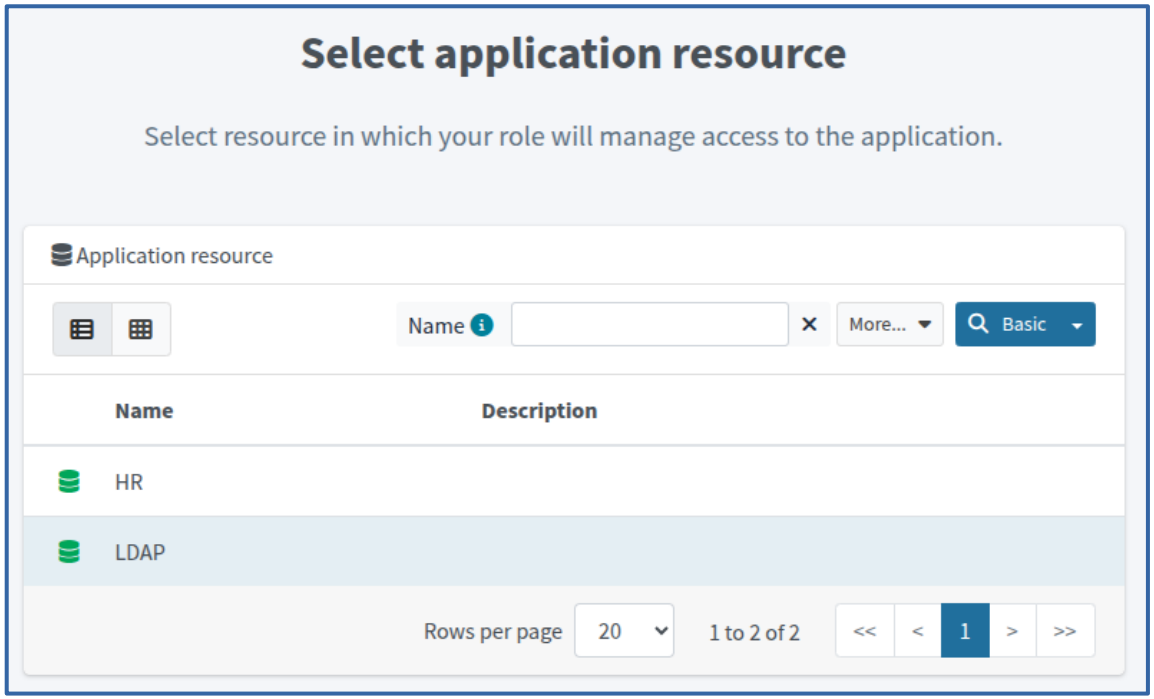


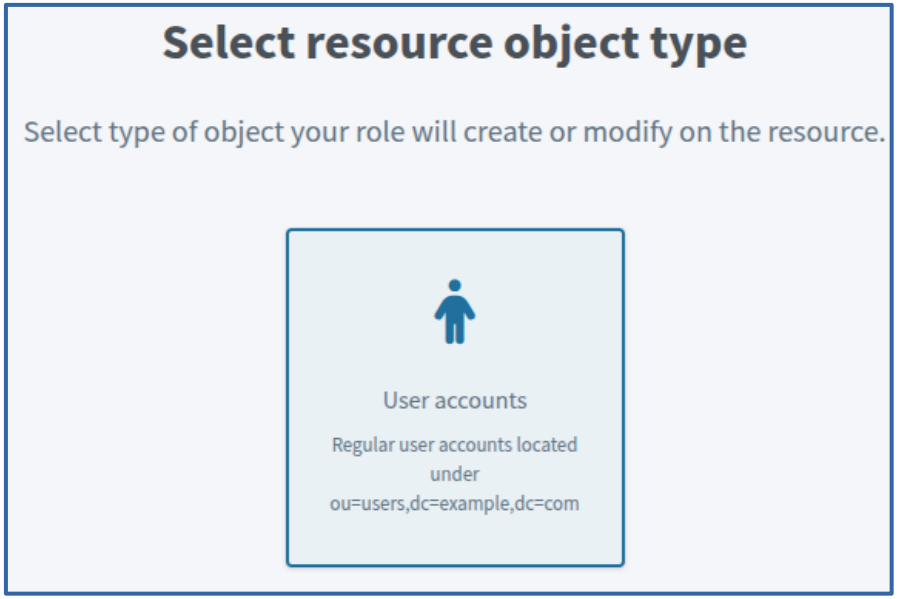
8. Automate Integration

- Automate Source (HR) → Target (LDAP) provisioning (Joiners – Movers - Leavers)
- Deactivate username inbound mappings in both resources
- Turn on (or customize) the username generator in midPoint for all Person users
- **Suspend the legacy on-boarding/provisioning processes for Target system**
- Schedule reconciliation with Source system
- **Person archetype aggregates all birthright accesses for new users**

8. Automate Integration – Add Birthrights Inducements to Person Archetype

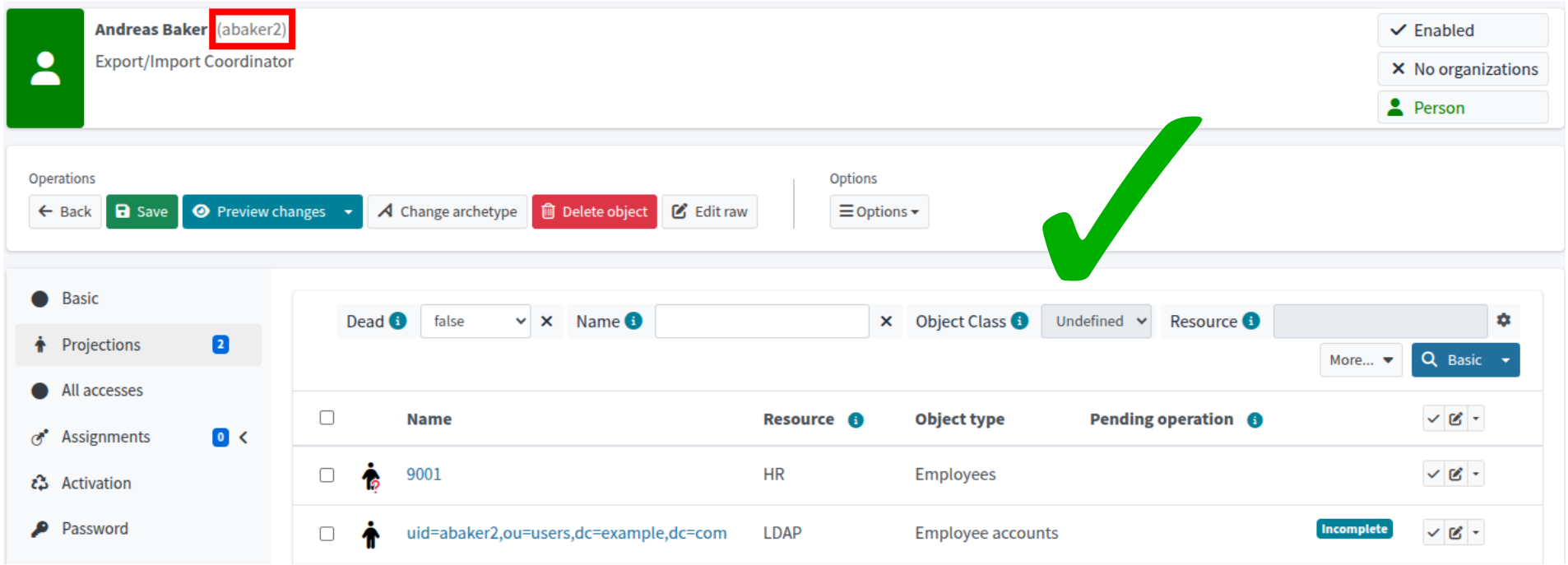
Use case: “Every Person should have access to LDAP (account only)”.





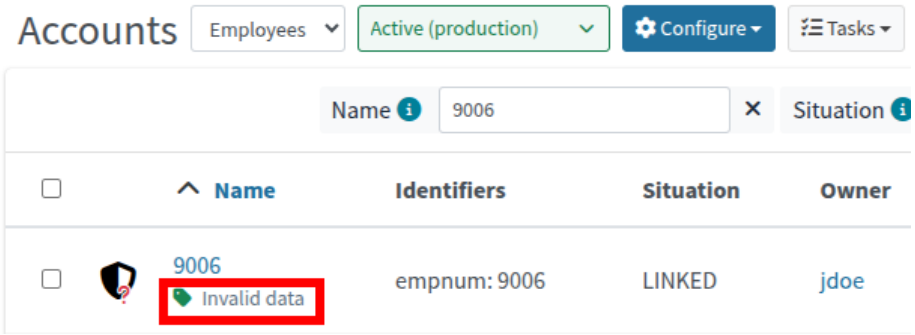
8. Automate Integration – Person Birthrights In Action

Result: Every Person has an account in LDAP (and unique usernames in midPoint and LDAP, too).



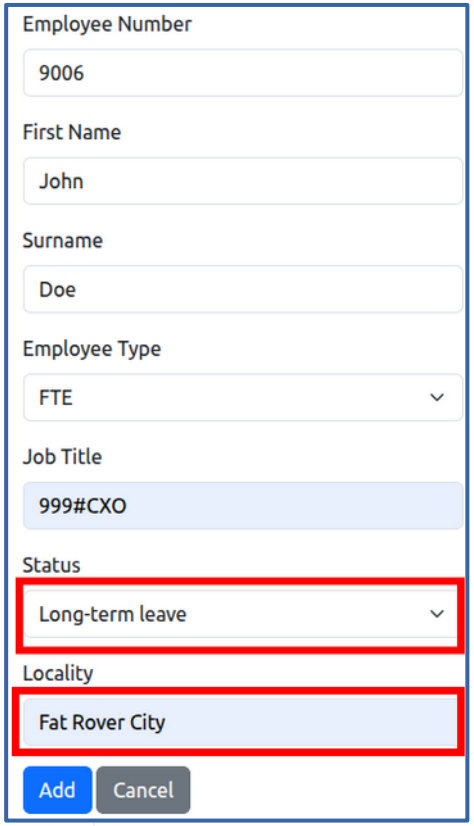
9. Override Incorrect Data

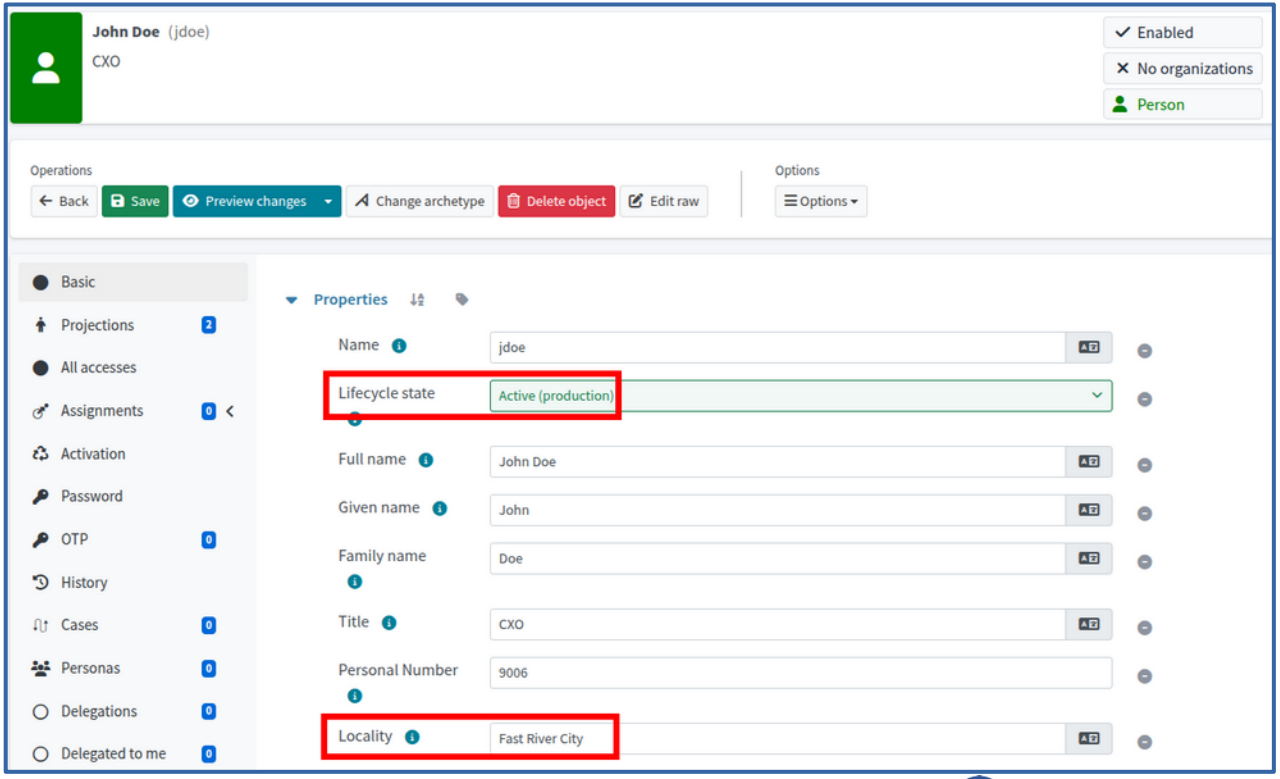
- MidPoint trusts data in Source system and behaves accordingly
- If source data is incorrect, midPoint can temporarily override it
- Examples:
  - Forcing deactivation of incorrectly enabled users
  - Forcing incorrect data override using “Invalid Data” mark
  - Username change



9. Override Incorrect Data – HR Data Overridden by MidPoint (“Invalid Data” Mark)

Result: The user can be corrected in midPoint until HR fixes their data





Evolveum

2nd Annual MidPoint Community Meetup

Run Another Iteration

- Evaluate the results of the iteration vs expectations
- Improve the solution
  - Add handling for additional source/target attributes
  - Add more object types
- Add more resources
- Extend the solution using methodology extensions
- Remember: **Connect, clean-up, automate**

Methodology Extension for Entitlement Management

- The First Steps Methodology was originally designed with a focus on users and their accounts
- However, it is not limited to them and has since been extended for entitlement (group) management: Group Synchronization methodology
- The methodology outlines the systematic approach for addressing other follow-up challenges beyond user/account management
- Docs: Group synchronization methodology (expect updates for midPoint 4.11)
- Set your course to IGA

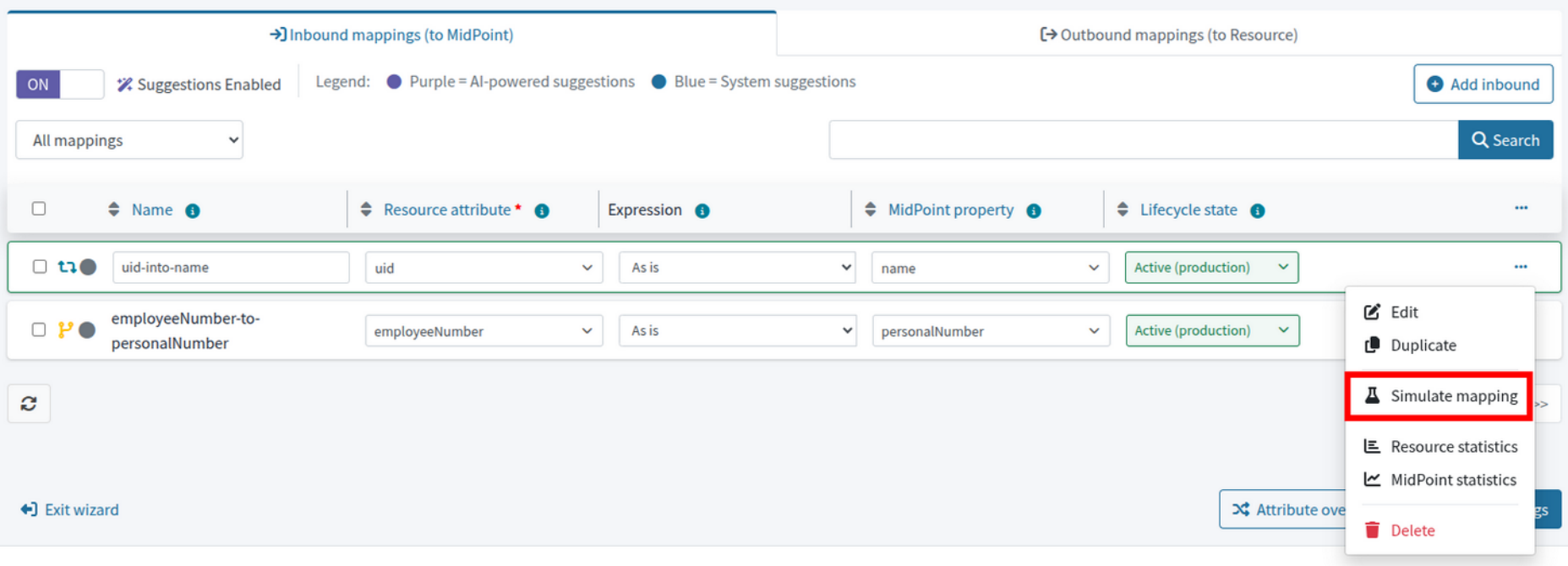
Work In Progress (Planned Improvements & Extensions in 2026)

- More secure scripting language
  MidPoint Expression Language
- Rapid application onboarding using no-code/low-code connectors for read operations combined with manual ITSM connectors for write operations **NEW | MIDPILOT**
  - Create connectors using AI connector generator service
- Corrections and improvements based on testing and (your) feedback
  - Do not hesitate to provide opinions

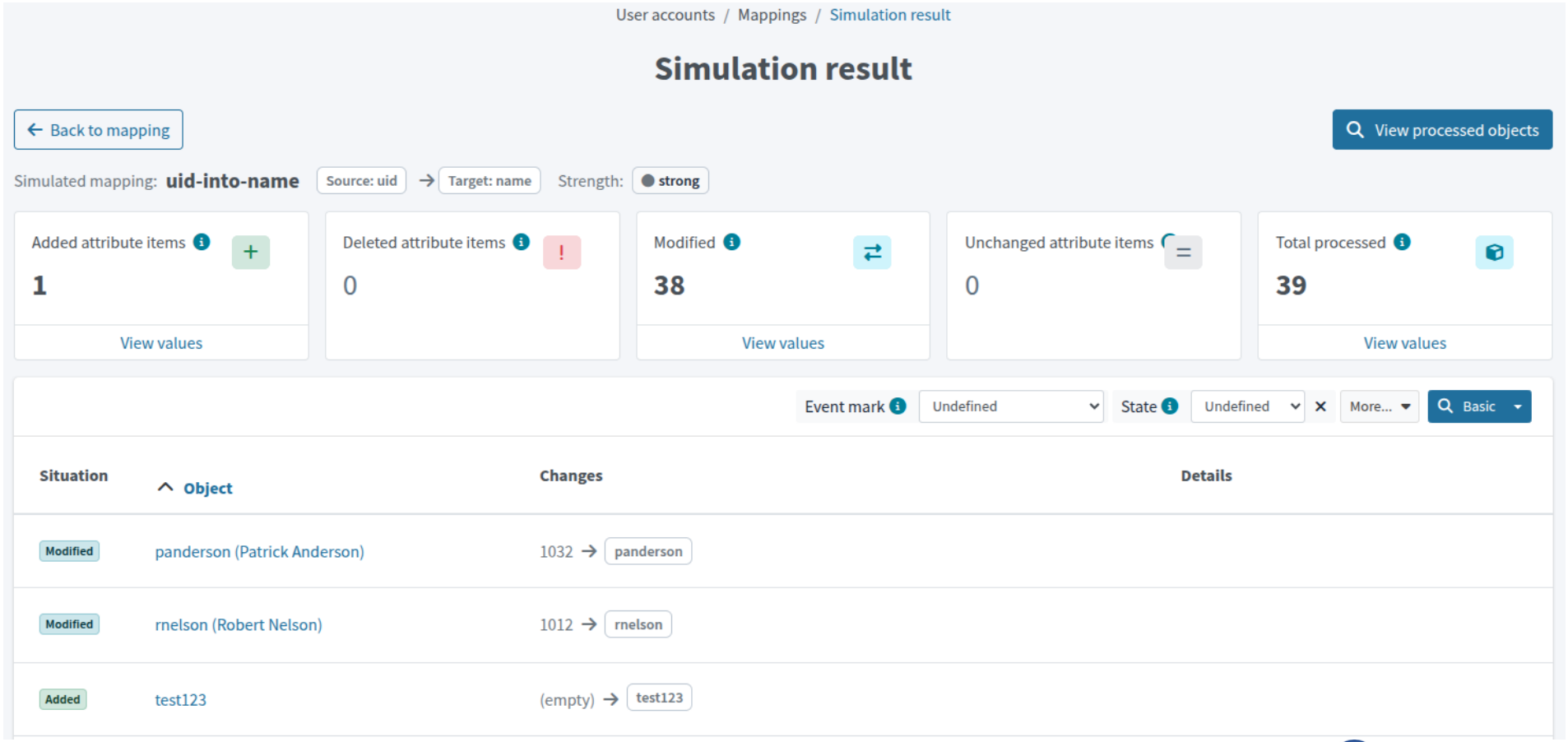
Work In Progress: (Single) Mapping Simulation

Simulation of a specific *single* mapping (works even with *unsaved* mappings!) Useful for testing before saving.

There are *limitations* though (currently only inbounds; normal mappings simulated as strong, no other mappings are evaluated, ...)



Work In Progress: (Single) Mapping Simulation



AI Service Configuration Alternatives

- Self-hosted (GPU)
- External service (OpenRouter, Google, OpenAI, AWS, ...)
- We are preparing Evolveum services

Conclusion

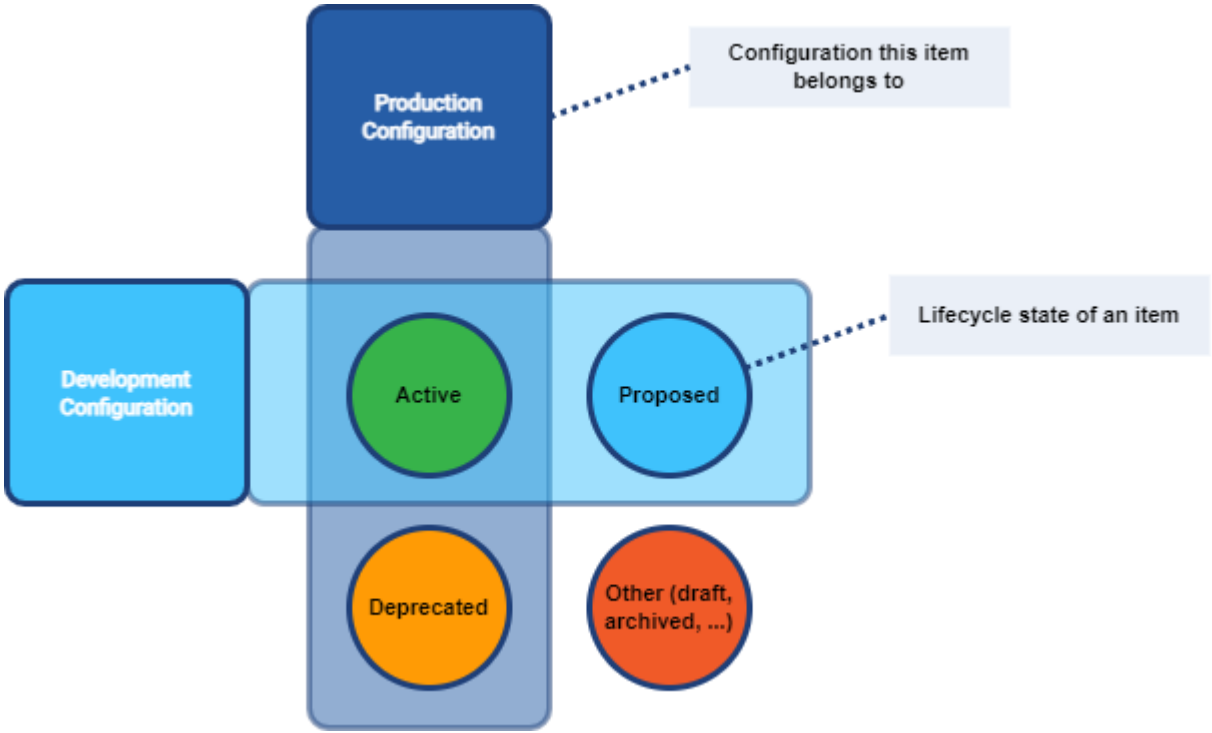
- We recommend our methodical approach to succeed with your midPoint deployments
- First Steps methodology: integrate the first source and target systems (**Connect, clean-up, automate**)
- Iterative, safe approach using simulations and marks
- Gradual migration to support business continuity
- **New configuration assistants** (AI/heuristics) to speed up the configuration
- The current **MidPoint Deployment: First Steps self-paced training** is available free of charge for everyone
- Trainings will be updated for midPoint 4.11
- See how you can access our learning portal

(Hopefully Not)

> Before I came here
> I was confused about this subject.
> Having listened to your lecture
> I am still confused. But on a higher level.
>
> Enrico Fermi


Evolveum
Thank you for your attention
Feel free to ask your questions now!
Funded by the European Union
NextGenerationEU
RECOVERY AND RESILIENCE PLAN
2nd Annual
MidPoint Community Meetup

BONUS: Configuration Item Lifecycle and System Configurations



Docs: Configuration Item Lifecycle and system Configurations