



## MidPoint Community Meetup 2025

# How to Add Custom Attributes

# Agenda

- Before midPoint 4.9
- Advantages of the new solution
- Adding custom attributes by GUI
- The whole presentation has been created for midPoint version 4.9.3.



## Before midPoint 4.9

- Schema extension as .xsd file in midPiont home directory
- Needed to restart midPoint Server to apply changes
- Long configuration process
- Each node must had the same .xsd file



## Advantages of the new solution

- Everything is clickable in the GUI
- We don't need to have a duplicate of the schema on every node
- There is no need to restart midPoint
- All changes are visible after saving the schema



Demo

## New attributes for students (users)

- Student residence
  - String, optional, single value, indexed (searchable)
- Year of study
  - Integer, required, single value
- Roommate
  - Object reference, user, optional, multi value
- Level of study
  - Enumeration, required, single value, indexed (searchable)
  - Possible values are Bachelor, Master and Doctorate



## New attribute for access to building (organization)

- City
  - String, required, single value, indexed (searchable)
  - Using lookup table for values: Bratislava, Banská Bystrica, Košice, Žilina



## GUI Limitations

- Can't remove schema object and any of its parts
- Can't change Namespace of schema
- Can't change Name and Extension of complex type
- Can't change Name and Type of item
- Value of Required attribute of item can't change from false to true or undefined
- Value of Multivalue attribute of item can't change from true to false or undefined
- Container item can't mark as indexed
- Can't change Object reference target type of reference item
- Can't change name of enumeration
- Can't change value of enumeration value





## Main Takeaways

- Custom attribute can be added via GUI
- Changes are immediately visible on every node
- Faster configuration process
- Everything is in the docs!
  - <https://docs.evolveum.com/midpoint/reference/support-4.9/schema/custom-schema-extension/>



# Evolveum

## Thank you for your attention

Feel free to ask your questions now!



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