



MidPoint Community Meetup 2025

Zoom In on Attribute changes

Sponsored feature

Agenda

- Audit browser improvements
 - Predefined interval searches
 - Search by changed items
 - Displaying deltas
- Works also for
 - Focus history
 - Reports
- Demo



Attribute changes: Configuration

- Delta column can display
 - Old or new value
 - Old -> new value
- Works for both audit logs browser and focus history
- Reports
 - Old way still works, via ReportUtils.printDelta()
 - printDelta() now can take one more parameter, ItemPath
 - More utility methods on the way

```
<objectCollectionView>
  <identifier>allAudits</identifier>
  <includeDefaultColumns>true</includeDefaultColumns>
  <type>AuditEventRecordType</type>
  <column>
    <name>deltaColumn1</name>
    <path>delta</path>
    <displayValue>oldValue</displayValue>
    <display>
      <label>Estimated old values</label>
    </display>
  </column>
  <column>
    <name>deltaColumn2</name>
    <path>delta</path>
    <displayValue>newValue</displayValue>
    <display>
      <label>Delta</label>
    </display>
  </column>
</objectCollectionView>
```

Limitations

- We can't search/see history of concrete assignment (container)
 - E.g. whether it was approved
- Search is done purely via item path that's stored in audit record (changed items)
- Search using shadow attributes

Demo

Questions

- What information do auditors expect to get?
 - Format, data, ...
- How do you display changes in your reports?
 - Dynamic (parametrized) changed item path?
- Partial changes
 - Searching for “assignment” changes
 - What about assignment[1]/activation/administrativeStatus for example?
- Report readability
 - Multiline deltas in CSV?
 - Single line {{prism structures}} with too much brackets and so on?
- Do you have interesting use cases?
- Any other feature missing?



Evolveum

Thank you for your attention

Feel free to ask your questions now!



MidPoint Community Meetup 2025