MidPoint Deployment Fundamentals

MID-101

revision 4.0-LTS-C

Course Goals

- Deploy and configure midPoint in enterprise environment
- Configure resources
- Create mappings for resource attributes
- Create and maintain role definitions (RBAC)
- Use initial import, LiveSync and reconciliation

Course Goals (2)

- Extend XML Schema
- Create organizational structure
- Enforce policies using Object Templates and mappings
- Configure notifications
- Admin GUI configuration

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Course Goals (3)

- Create authorization roles in midPoint
- Understand associations between accounts and entitlements (groups)
- Create and maintain password and security policies
- Manage connectors in deployed solution
- Troubleshoot, backup and restore the system

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Course Map

Module 1 **Basic IdM & midPoint Concepts**	**Module 2** **Managing Your Customizations**	**Module 3** **Resources, Attributes and Mappings**
Module 4 **Provisioning to Resources**	**Module 5** **Accounts, Assignments And Roles**	**Module 6** **Configuring Multiple Account Intents**

Course Map (2)

Module 7

Synchronization Flavours

Module 8

Extending midPoint Schema

Module 9

Organization Structure

Module 10

Object Templates

Module 11

System Configuration

Module 12

Authorizations

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Course Map (3)

Module 13

Entitlements and Associations Introduction

Module 14

Password and Security Policies

Module 15

Backup, Restore and Upgrade

Module 16

Managing Connectors

Module 17

Logging and Troubleshooting

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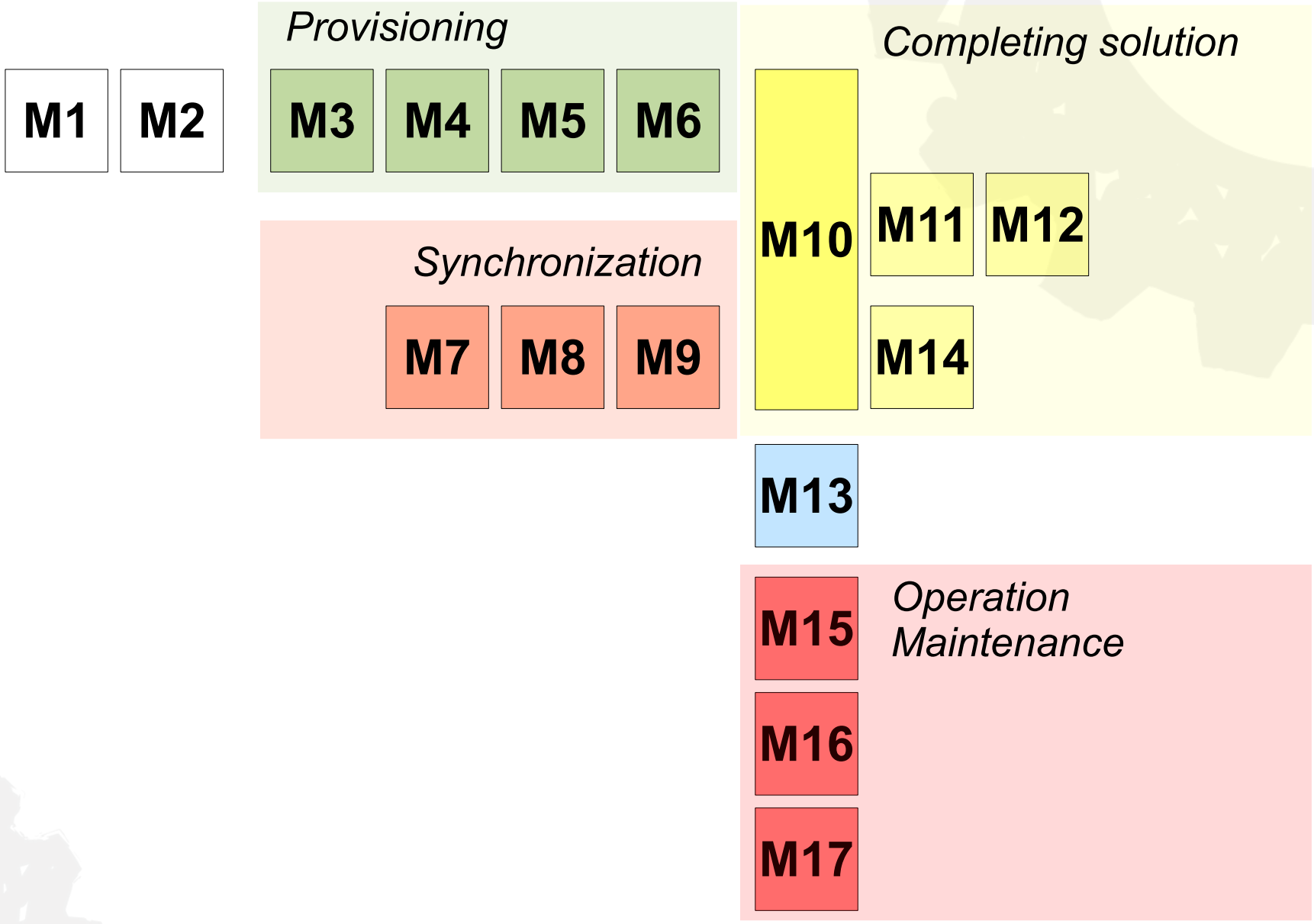
Course Module Relations



Note

- This is a **sample** of our training materials
- Please contact **sales@evolveum.com** to order a real training course session

Module 5: Accounts, Assignments and Roles

User and Accounts

- User represents the identity (employee, contractor etc.), it resides in midPoint
- Accounts reside on target systems
- Accounts have variable attributes, their meaning and representation
  - One identifier vs multiple
  - Syntax of identifier(s) differs (string, integer)
- Integration handled by midPoint

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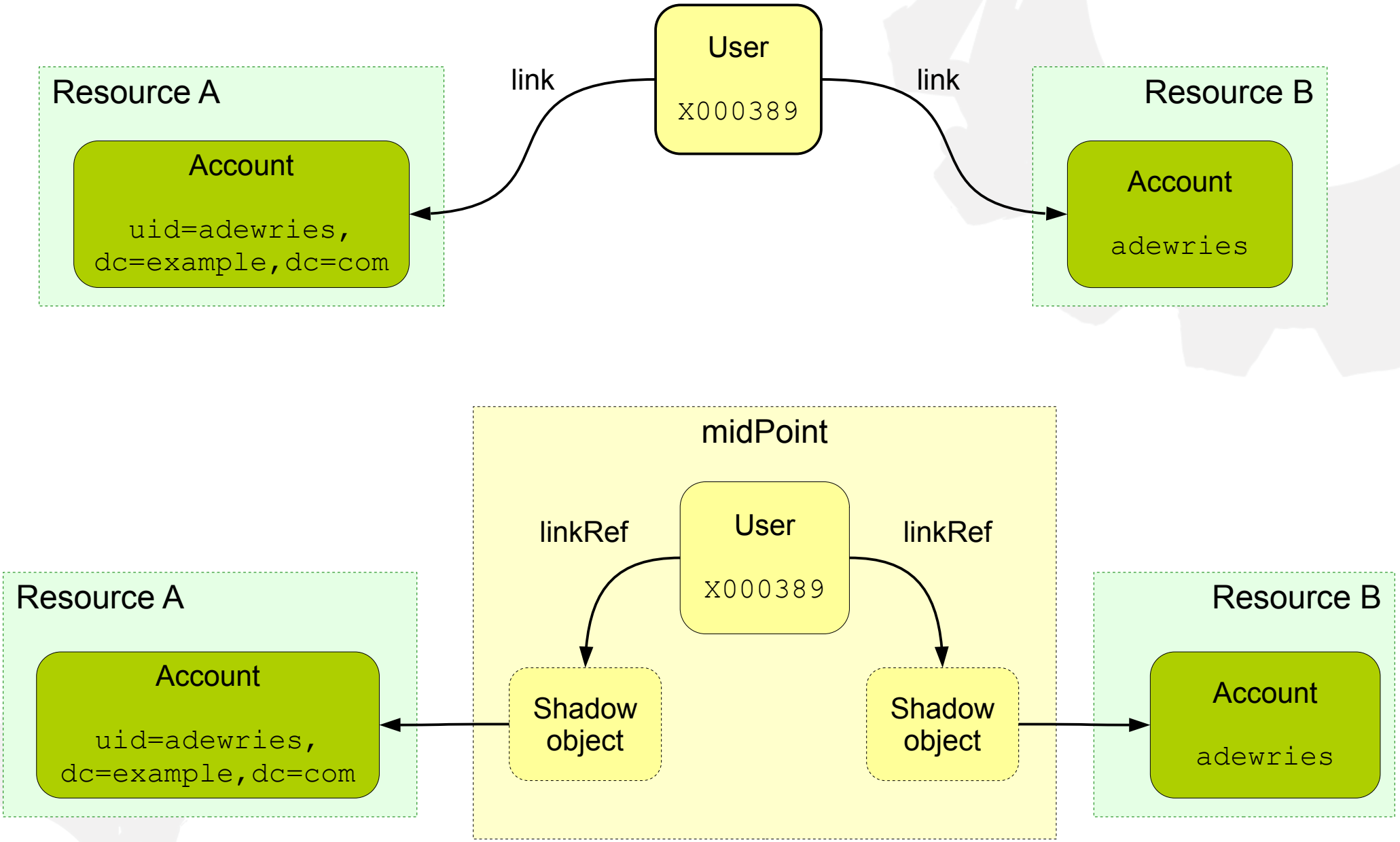
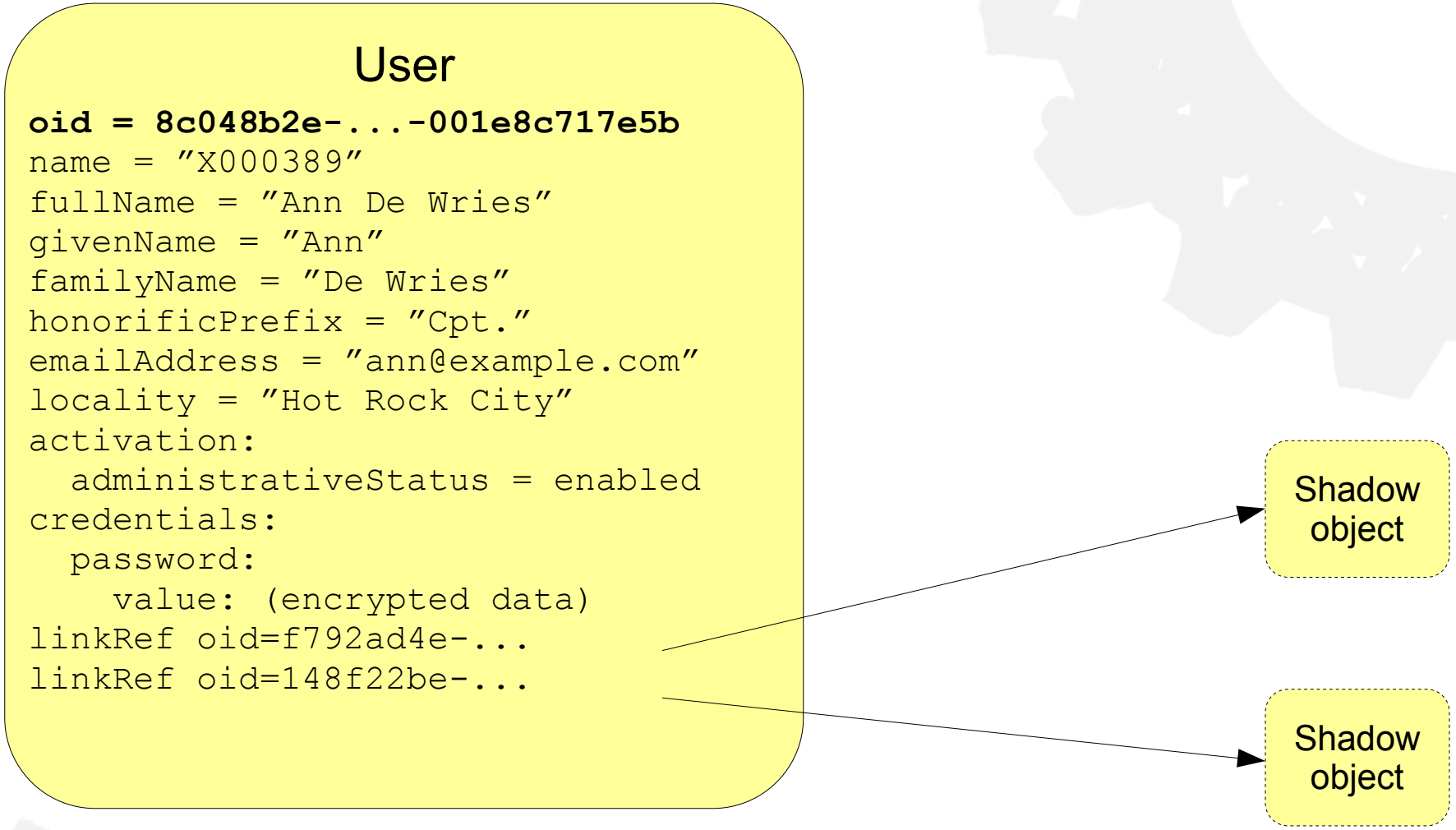
User and Resource Accounts



User



User and Resource Accounts (2)

- Attributes (schema) and account identifiers differ between target systems
- Account resides on the resource, it is not a midPoint object but a projection (no oid)
- MidPoint maintains the link user → account
  - Intermediate Shadow objects are used
  - Static schema

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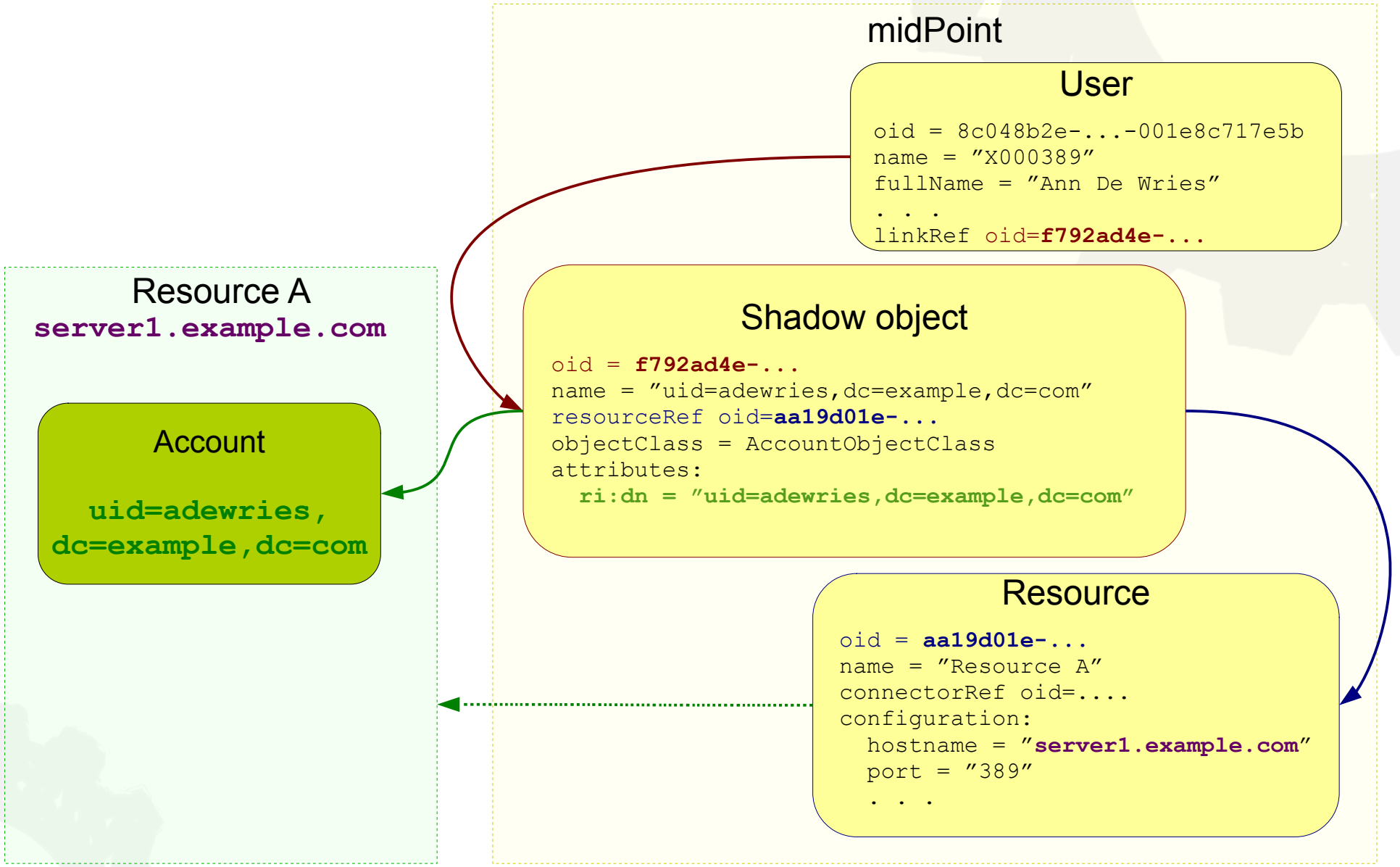
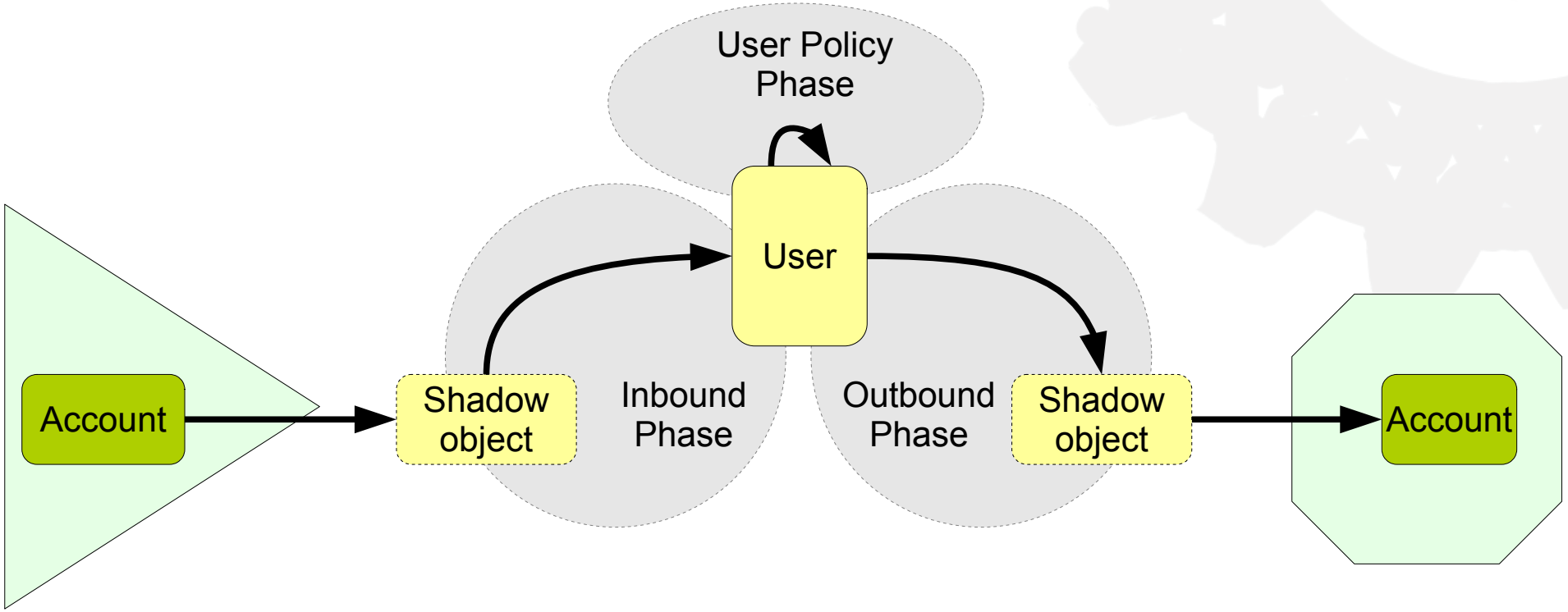
Shadow Object

- Object that connects midPoint world (repository) to the outside world (resource)
- Object in repository mirroring some of the account characteristics such as identifier(s) of the account (fixed schema)

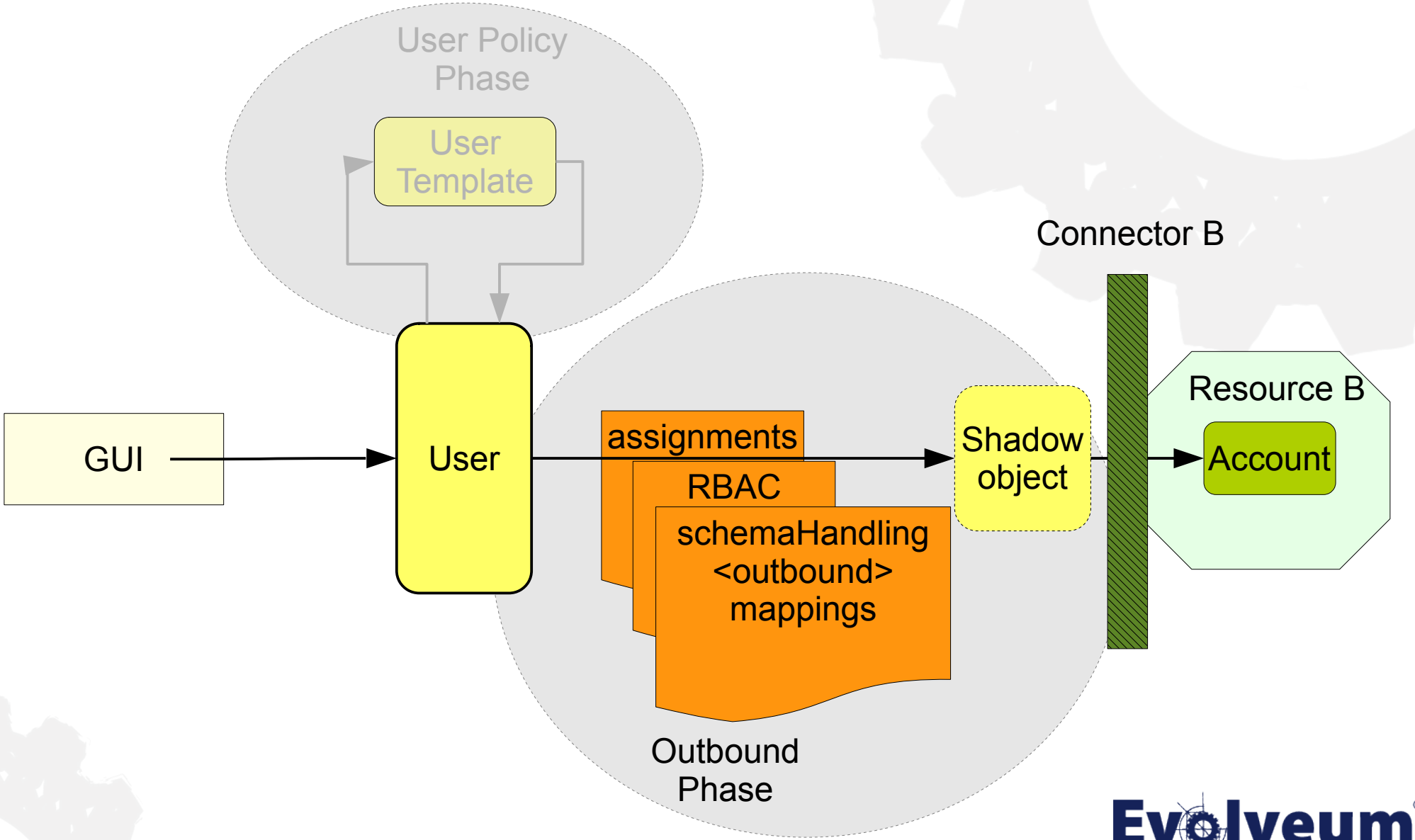
Users-Accounts Links Implementation



MidPoint User Provisioning Phases



Outbound Phase Detail



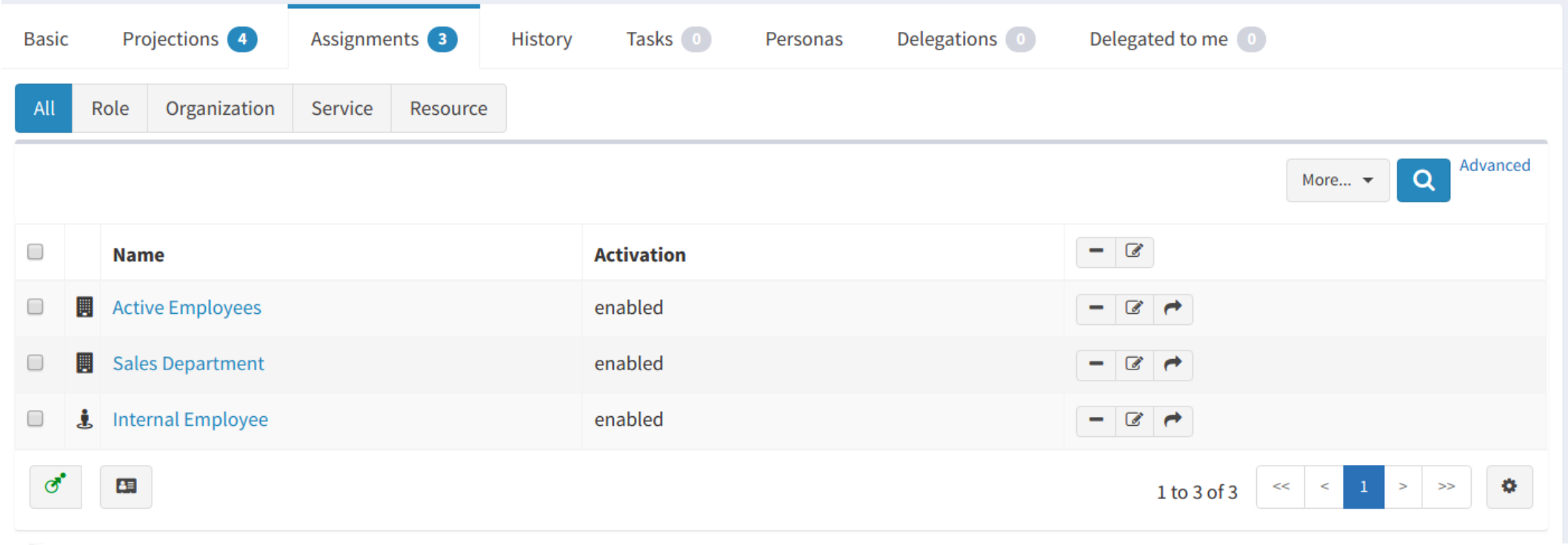
Linked Accounts vs. Assignments

- Link: User-account relationship
  - What IS on the resource
- Assignment: User-assignment-account(s) relationship
  - What SHOULD be on the resource(s)

Assignment Types

- Account Assignments
  - Roles not required
- Role Assignments
  - Create roles first, assign them to users
- Organization Structure Assignments
  - OU membership
- Archetypes

Assignments in GUI



Lab 5-1: Using RBAC

Lab 5-2: Segregation of Duties

Lab 5-3: Shadows and Projections

Lab 5-4: Creating Roles

Lab 5-5: Disable on Unassign

Lab 5-6: Inactive Assignment

Lab 5-7: Archetypes Introduction

Module Summary

- *Should be* vs. *Is*
- Assignment types
- Shadows and linkRefs
- RBAC, Assignments and Inducements
- Disable instead of delete
- Assignment Activation
- Archetypes

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End of Module 5

Conclusion

Questions and Answers

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