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Role of IGA in Access Management with Multilateral Identities

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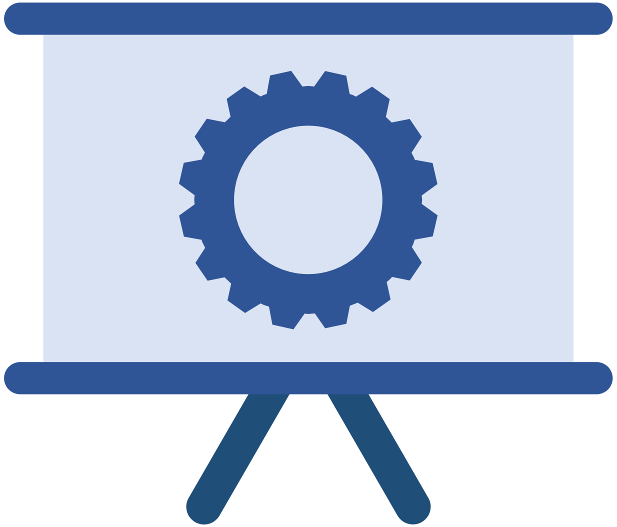
Introduction

- Multilateral identities
  - Identities from multiple different sources
  - Institutional, state, social, academic, bank, …
- Access management
  - Use identities for providing access to service
- IGA
  - Extension of IdM towards non-technical people
  - In this talk represented by midPoint

midPoint

- Mature IGA and IdM system
- Fully open-source
  - Including documentation, modules, guidelines, etc.
- Maintained by Evolveum
  - Few external contributors
- Feature rich
  - Up to par with commercial products
- Fully customizable, uses standards
- https://evolveum.com/midpoint/



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Access Management Integration

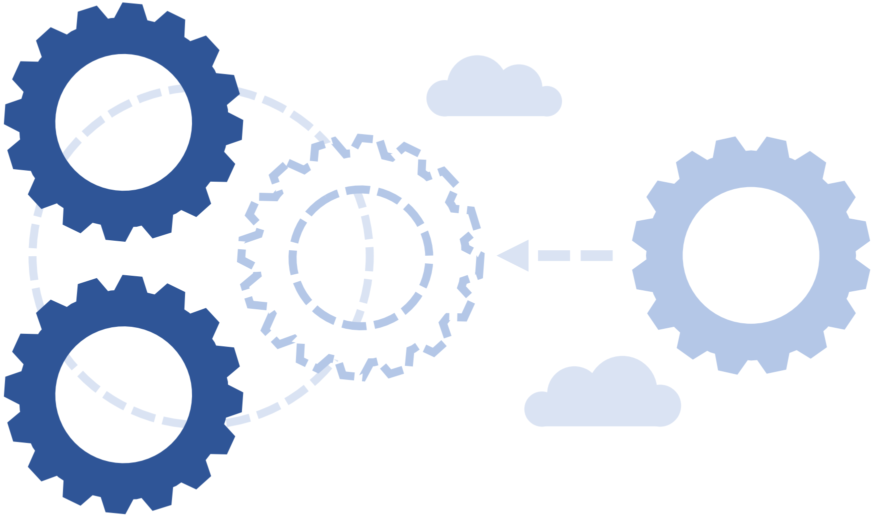
- IGA → Access management
  - Profile information
  - Authorization data
- Access management → IGA
  - Identities and attributes
  - Access timestamps
- Typical interfaces
  - IGA provision/synchronize with access management
  - Access management calls IGA's API

IGA Benefits

- Visibility
  - Who has access to what and why
  - Reporting, auditing
- Policy driven RBAC
  - Use attributes from various identities
  - Remove unused accounts
- Automation
  - (De-)provisioning
  - Approvals

Just in Time Provisioning with Access Management

- Create account during fist sign-in
- Requires support by target system
- Authorization done on access management level
- Difficult deprovisioning
- Limited visibility and control



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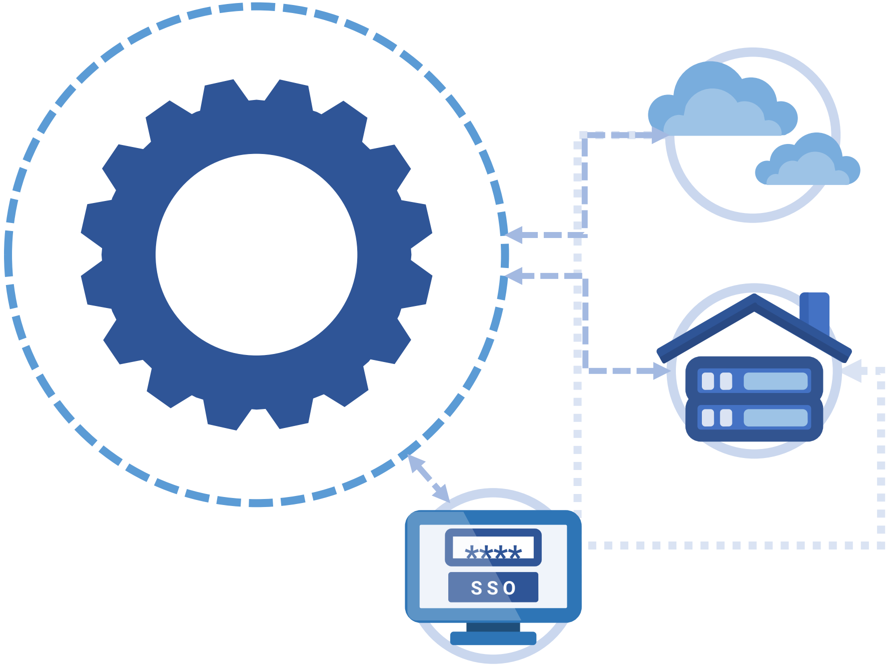
Just in Time Provisioning with midPoint

- MidPoint manages entitled users
- Access management (AM) get authorization data
- AM request JIT account activation though midPoint
  - Or use native JIT capability of target system
- MidPoint has integration with target
  - Knows about active accounts
- MidPoint can deprovision later



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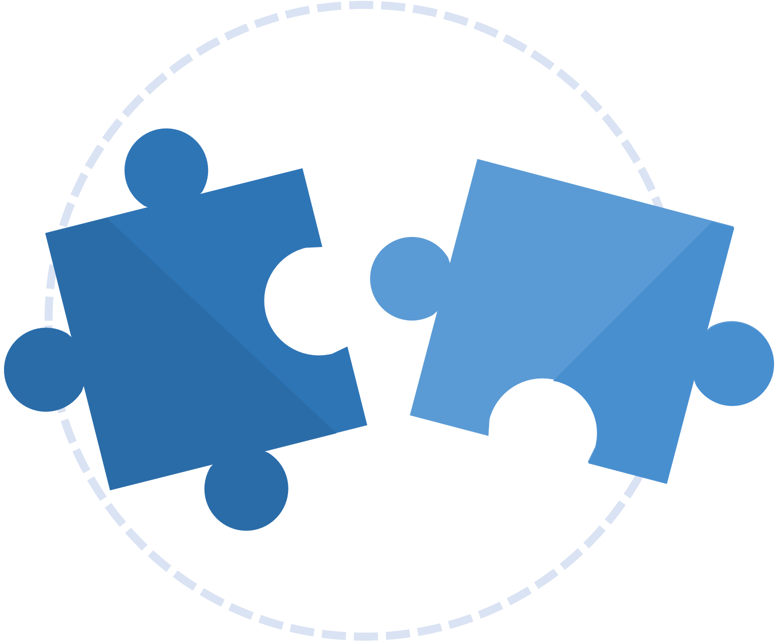
MidPoint with Multilateral Identities

- Multi-identities
  - Smart correlation
  - Correlation at access management level possible
- Combining internal and external identities
- Unified profile
  - Based on rules and user preferences
  - Comply to organizational policies
- Fully automated processing

Missing pieces

- User experience
- Well-defined interface between IGA and AM
- Whole life-cycle of an identity
- Assurance and trust models might be complex
  - MidPrivacy project
  - https://docs.evolveum.com/midpoint/projects/midprivacy/



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Conclusion

- It’s possible to combine IGA with access management
- There are lot of existing identities that can be used
- IGA adds order to distributed world of multilateral identities
- Full implementation is complex
- MidPoint is half way through
- Contributions and collaboration is welcome

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Thank you for your time

Do you have any **questions**? Feel free to contact me at **slavek@evolveum.com**

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