

IAM Just-In-Time Provisioning

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Agenda



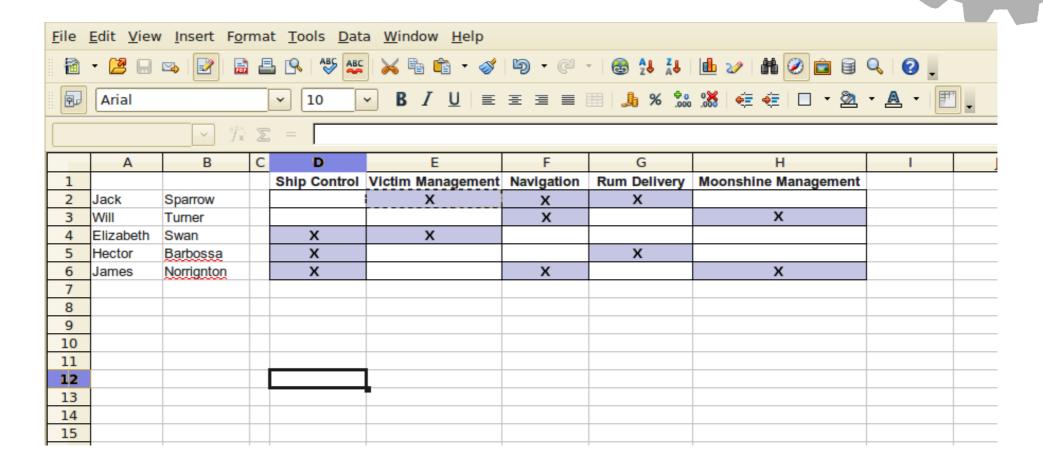
- Story of one company
- What is Identity & Access Management?
- More about Identity Management
- Federation
- Demo

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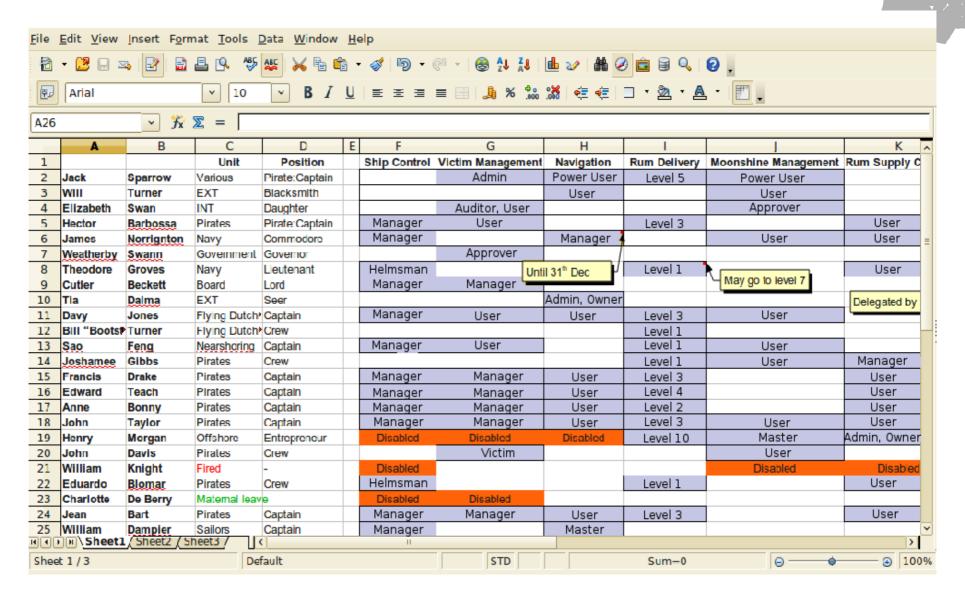
Story of One Company

Simple Easy Start



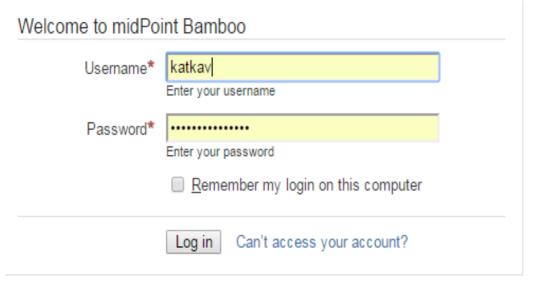


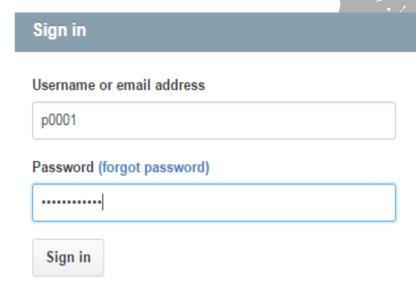
... but the Company's growing up...



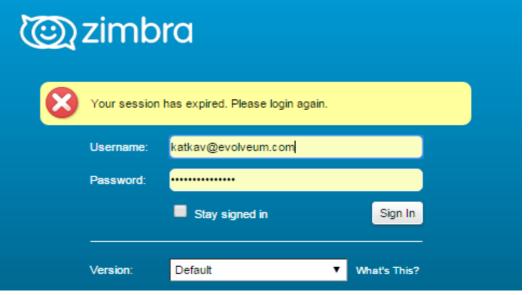


Login Nightmares

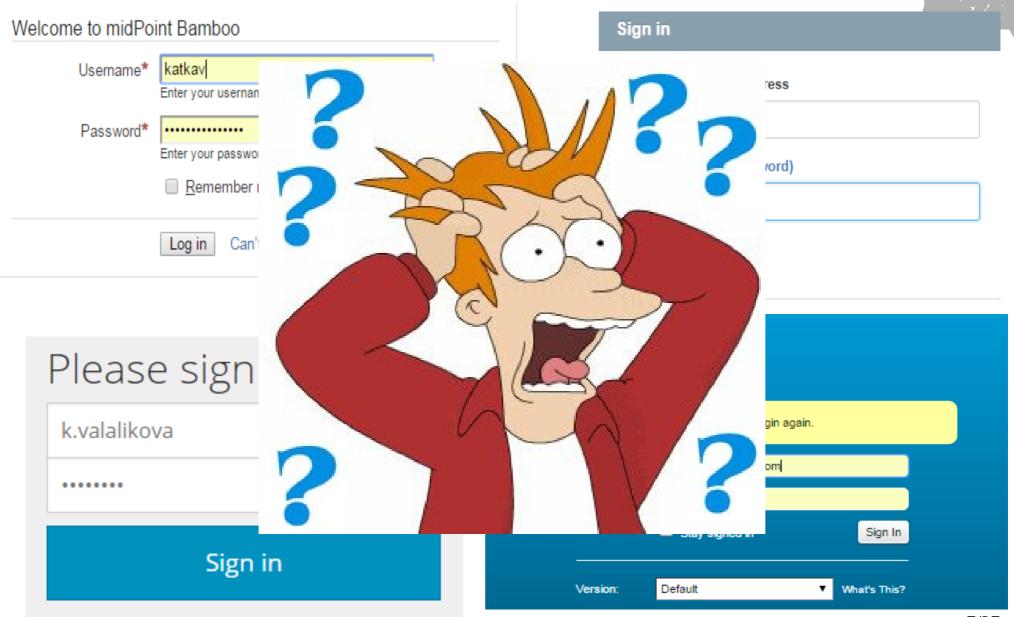








Login Nightmares



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What's next?



... think about what you need

Basic requirements:

- Which systems can user Norris access?
- What is this 'u0001' account? Who created it? Who's is this 'u0001' account?
- Why this new employee still doesn't have his accounts created?
- Which privileges do I need for this system?
- Where can I reset my password?
- Who can enable my account as fast as possible?
- Who can restrict access for Norris?





Advanced requirements:

- How to eliminate access rights to the minimum for employees?
- How to provide access right for different users?
- How to provide approvals for some access rights?
- How to remove "illegal" access rights?
- How to do approvals cenatralized?
- How to delegate part of the administration to the users?
- How to eliminate the time spending for user administration?



More about Identity and Aceess Management

What is NOT Identity Management

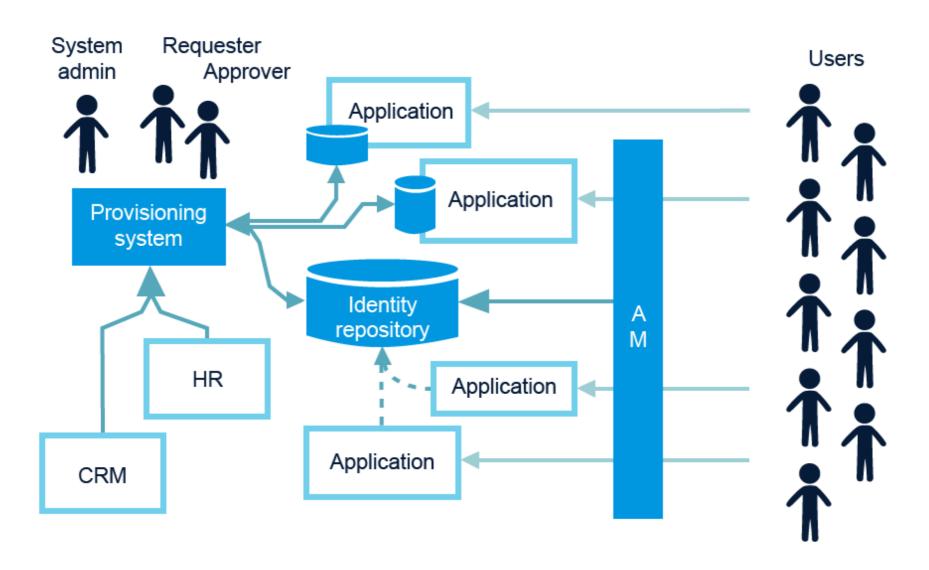
It is NOT only Single Sign-On

What is IAM? Short Answer



Identity management is everything that deals with managing identities in the cyberspace

Identity & Access Management

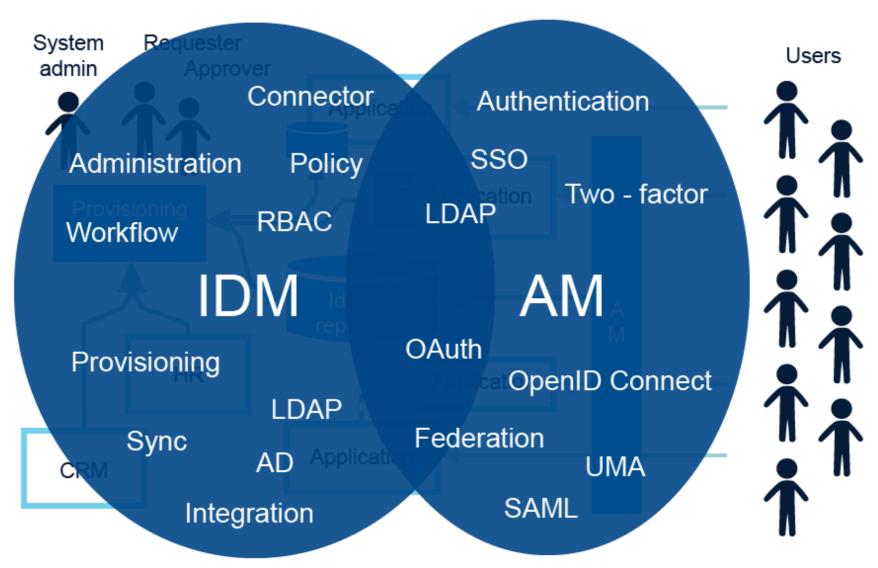


Identity & Access Management Technologies

- Identity Repository (IdP) unified repository containing information about users
- Provisioning System (IdM) synchronize account data among different systems
- Access Management (SSO) provide authentication and (partialy) authorization

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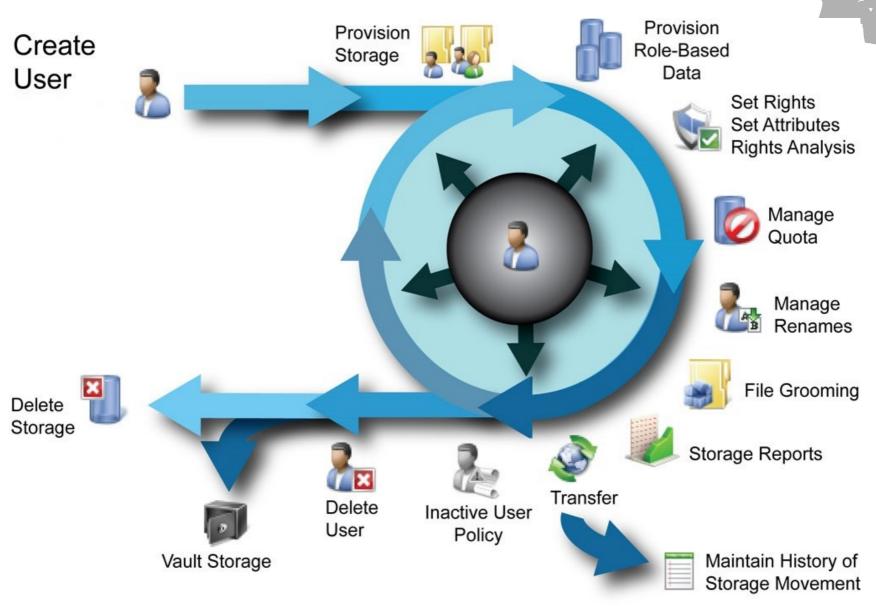
Identity & Access Management

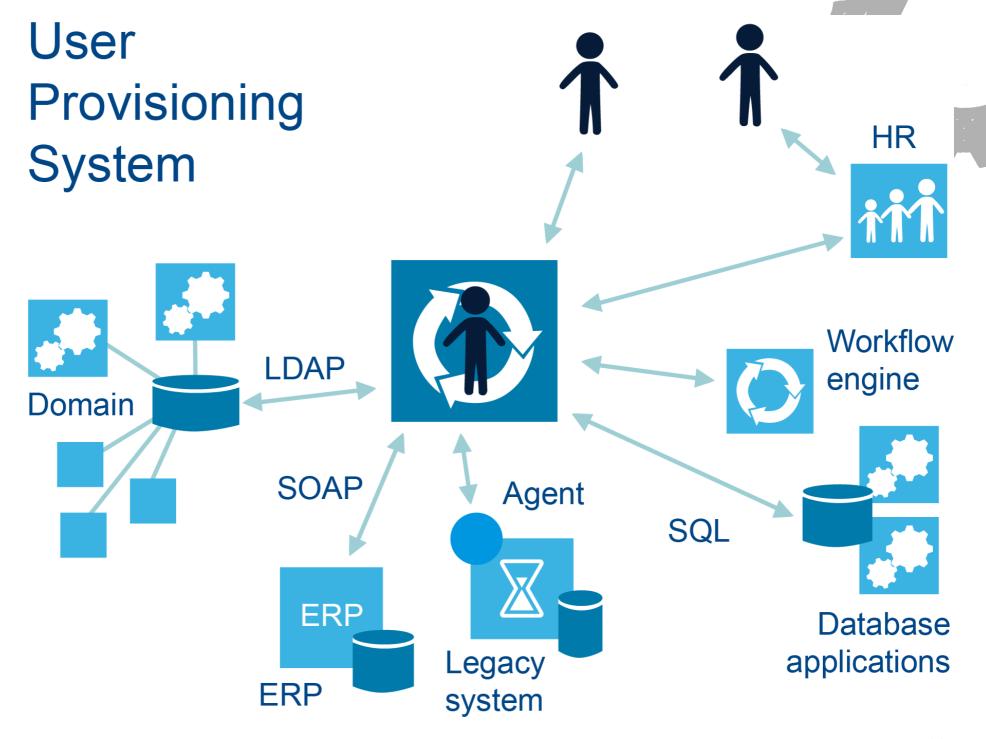




Identity Management Provisioning System

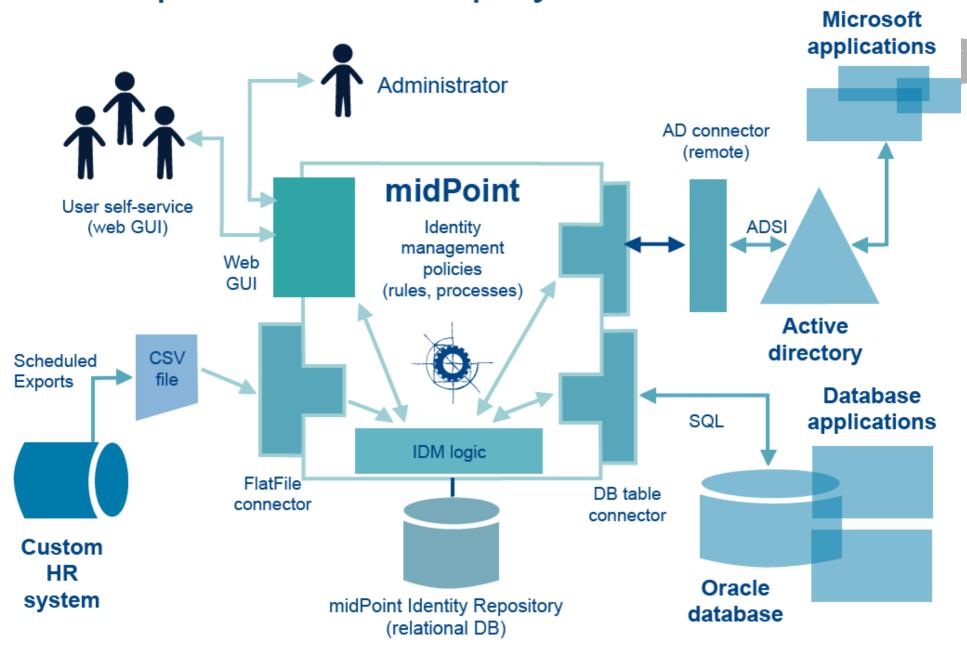
Identity Lifecycle





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Example midPoint deployment architecture





Access Management

Access Management



Authentication

- Replacing native authentication
- Web SSO HTTP Redirects
- True SSO Ticket based, e.g. Kerberos
- Enterprise SSO Agent

Authorization

- Significantly limited
- Doesn't know application specific authorizations
- Have you ever heard about fortress?



Federation

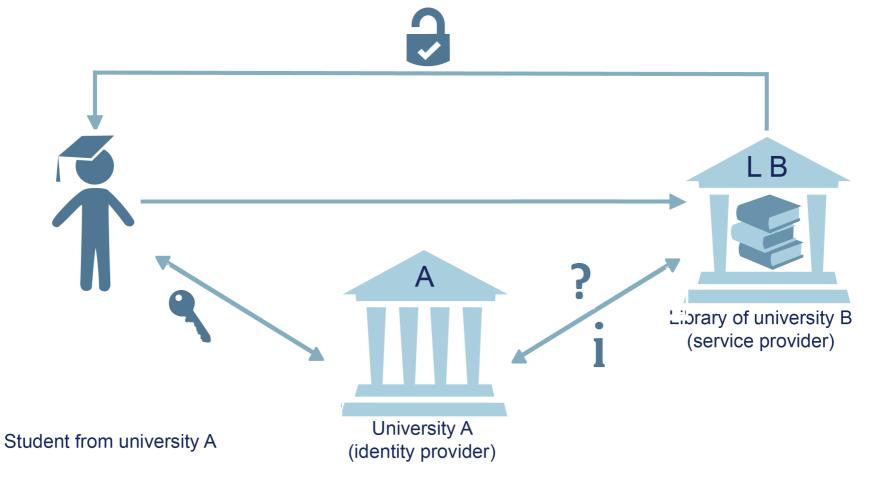
Federation



- SSO over the Internet
- Explicit trust and strong authentication of communicating parties
- 'In-House' authentication (Organization's IdP)
- Assertions to Service Providers, may contain
 - Roles
 - Privileges
 - User attributes
 - Authorization decissions



An example of the transmission of information between identity provider and service provider





Demo Just-In-Time Provisioning

About Demo Just-In-Time Provisioning



Technologies

- CAS SSO Server, SAML IdP simulation
- MidPoint provisioning tool
- OpenDJ identity repository
- OpenLDAP target system

Process

- Create Identity after first login
- Provisioning to external system OpenLDAP
- Create OU for user's organization
- Assign user to groups in OpenLDAP