

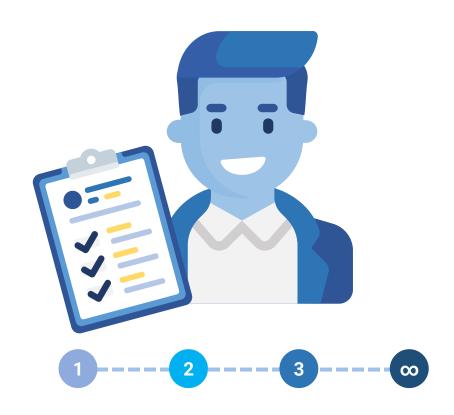
MidPoint Integrations: Partner Series
Integrating SAP SuccessFactors HR

**Martin Lízner** 

Chief Solution Architect at AMI Praha

# **Agenda**

- Changing HR system in existing IdM deployment
- SAP SuccessFactors API and midPoint connector
- Multiple contracts per identity
- Performance aspects





### **FEG - Fortuna Entertainment Group**



- FEG has betting business in multiple world countries
- Transition from old proprietary HR system to cloud based SAP SuccessFactors HR
- Single HR system for the entire Fortuna group



# **Changing HR System in IdM is Costly**

- Changing the IdM authoritative system (HR) for different one is not like integrating new target system, you need to change a lot of stuff in existing IdM deployment as well
- Rethink Identity Lifecycle create, maternity, disable
  - Also: multiple contracts, future contracts
- New HR brings new user attributes
  - Changing Schema Handling in target resources
- Email notifications, Authorizations, Reporting



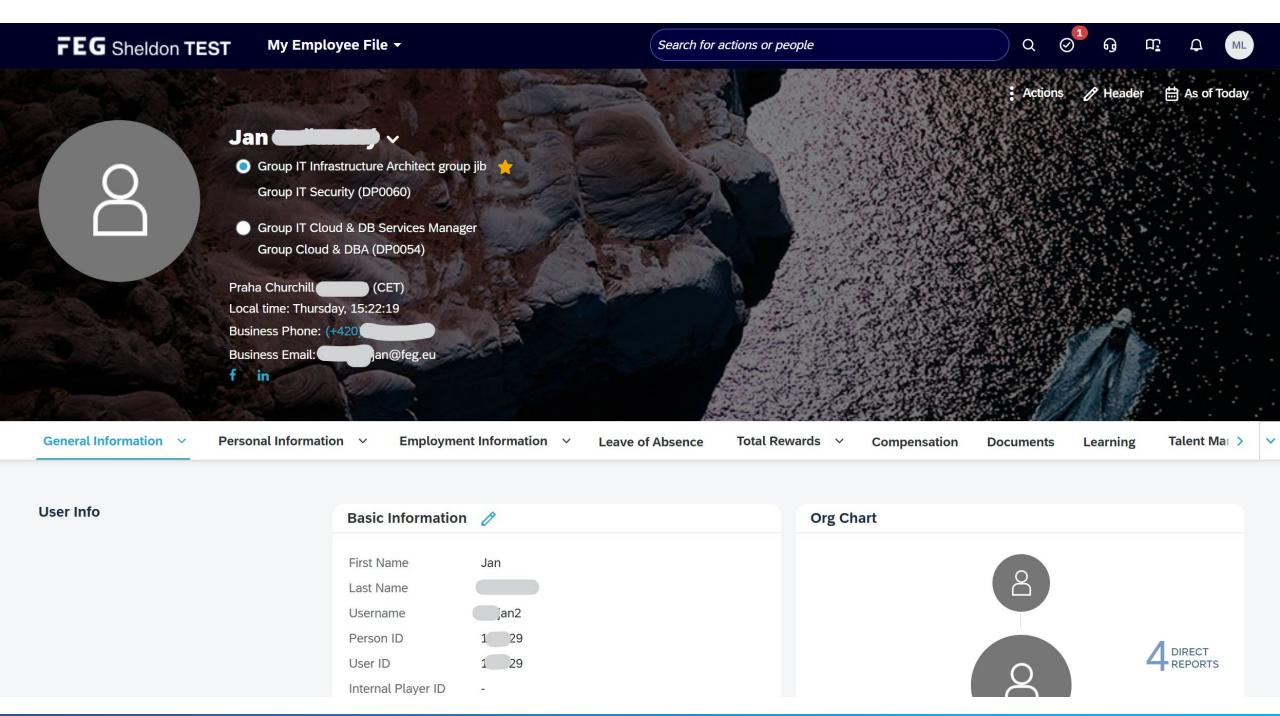


# **HR Migration Process**

- 1. Keep old IdM business logic
- 2. Link new HR accounts to identities
- 3. Check and report that everything correlated OK
- 4. Change IdM business logic for new HR
- 5. Check resources data, make simulations
- 6. Unlink old HR

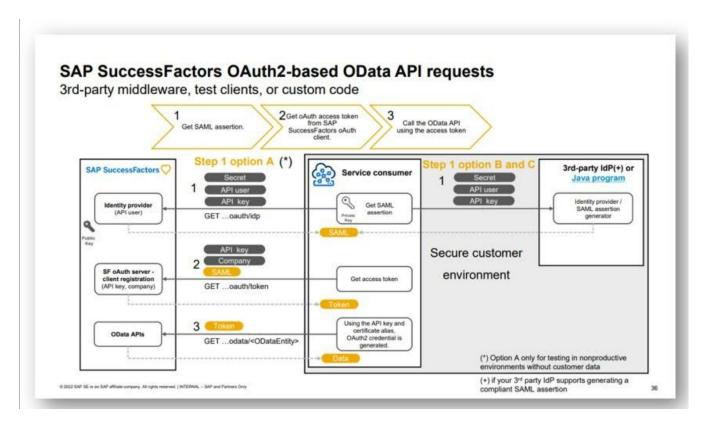






### **SuccessFactors Connector and API**

- Forked from Rakkau
   https://github.com/rakkau/midpoint-ssff-connector
- SuccessFactors (SF) is a cloud platform
  - API is Odata REST/Json
- The good news end here...
  - API is very complex with multiple entities that need to be queried and joined together
  - Even authentication to API is difficult combining SAML, OAuth and session tokens.
  - Each customer can customize SF





### **Proprietary Connector**

- Rakkau connector reads User entity
  - FEG needed to synchronize contracts (EmpJob entity)
- "Ideal connector does not contain any business logic"
- We had to implement a lot of proprietary business logic to the connector
  - Special query for future contracts
  - Dealing with recycling of contract ids... prioritize future contracts over disabled current
  - Query additional SF entities
- Update certain attributes in SF (username, email)

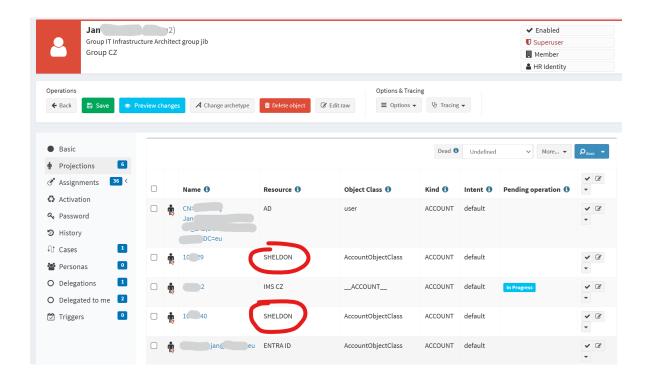


#### /EmpJob?

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### **Multiple Contracts in MidPoint**

- We use midpoint's feature MultiAccounts
- Each job contract in HR is individual account to midPoint
- MidPoint links user to all contracts, however only primary data are used
- SF Contract contains information whether it is primary contract (isPrimaryAssignment)
  - We found out that its not always 100% reliable





### **Performance**



- Performance of the SF API is not ideal
- Getting single contract takes up to 1.5sec
  - And we recycle authentication sessions
- However reading thousand of contracts lasts only minutes
- We look forward for midPoint 4.9 and Shadow caching!!!



### **Conclusion**

- HR migration within an existing IdM deployment is different from integrating a new target system.
- The SuccessFactors API is complex; if you require contract data, you may need to add custom business logic to the connector.
- MidPoint supports MultiAccounts.
- MidPoint 4.9 may improve performance due to Shadow caching.
- (ChatGPT is not very good at generating images sometimes :-)







# Thank you for your attention

martin.lizner@ami.cz

