

November 13-15, Oslo Spektrum

## Jan Vidar Elven

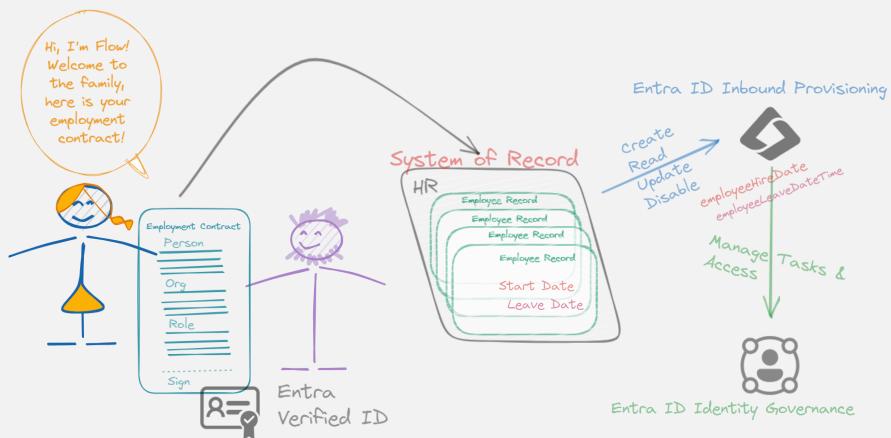
User Lifecycle: Inbound Provisioning and Governance with Microsoft
Entra ID Governance and Workflows

Senior Architect @ Evidi | MVP Security | @JanVidarElven



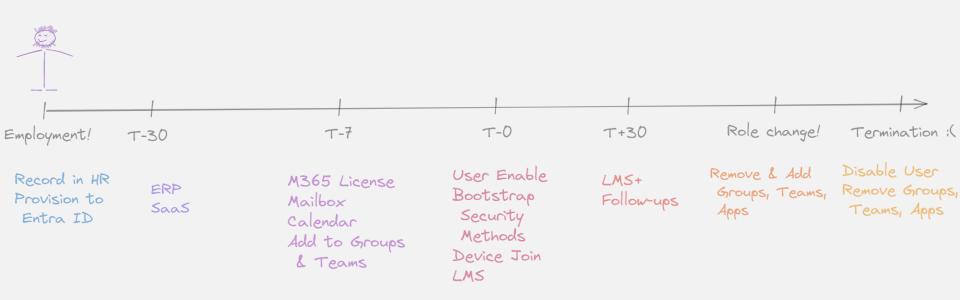








# Identity & Access Lifecycle

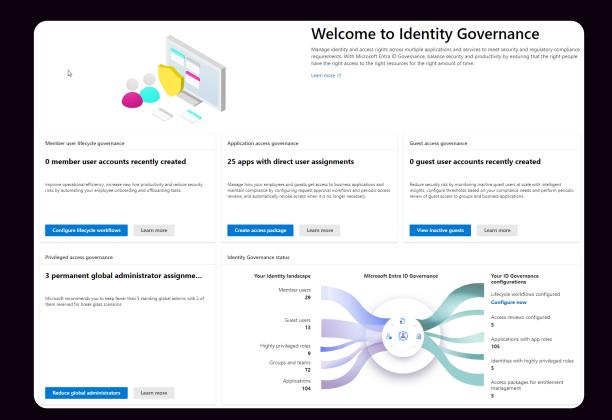




# Introducing Entra ID Governance!









# IAM and Identity Governance Core with Entra ID









#### Service Catalog

- Entitlement Management
- Resource Access Package Requests
- Self Service
- Approvals
- Custom
   Extensions

# Privileged Access

- Entra ID Privileged Identity Management (PIM)
- Entra ID Roles
- Entra Groups
- Azure RBAC
- Endpoint Privilege Management (EPM)
- LAPS
- PAW

#### Access Governance

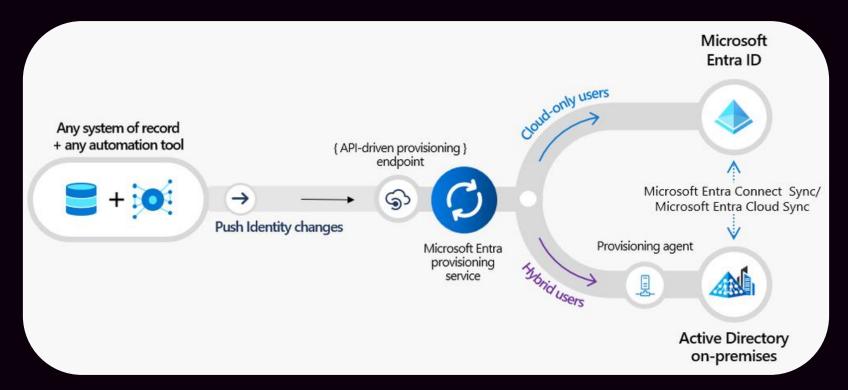
- Access Reviews
- Terms of Use

#### Lifecycle Workflows

- Inbound Provisioning
- Joiner
- Leaver
- Mover
- Custom Extensions

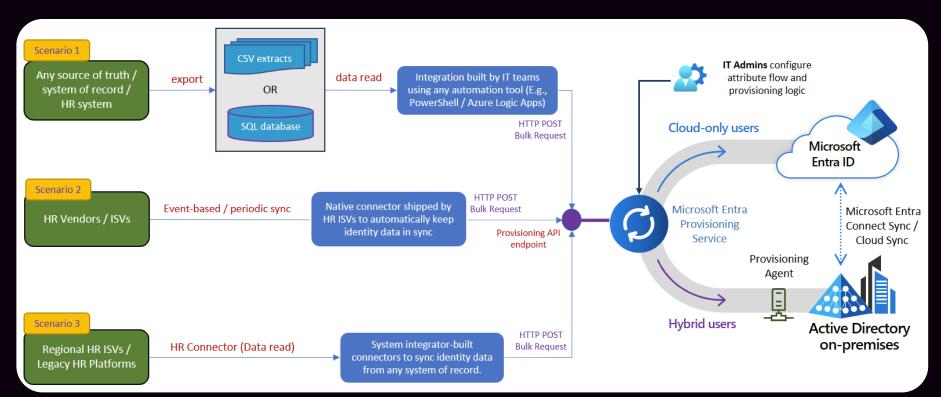


# Entra ID Inbound Provisioning API



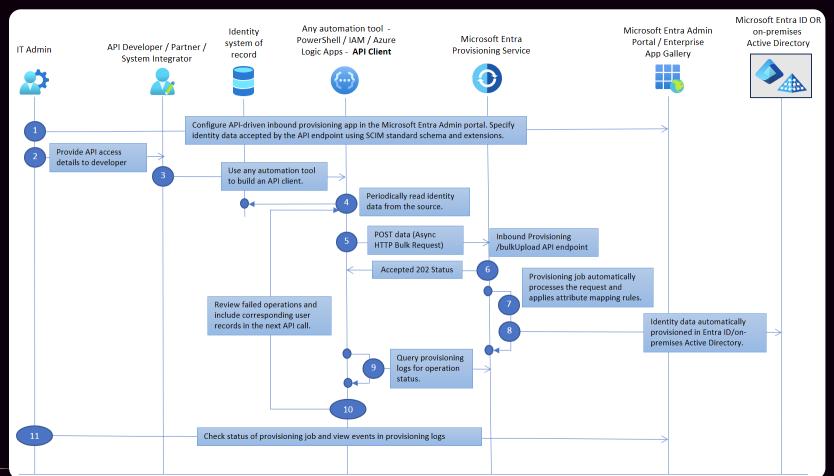


# Inbound Provisioning Scenarios



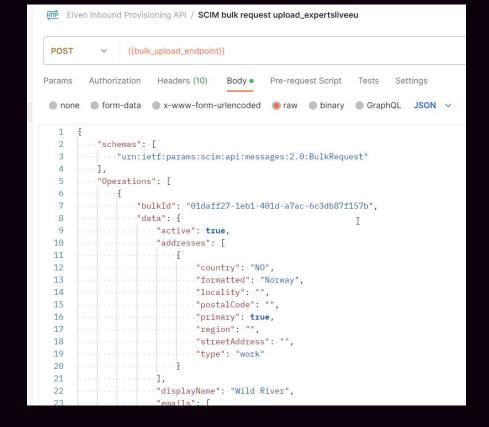


# Inbound Provisioning Deployment Process



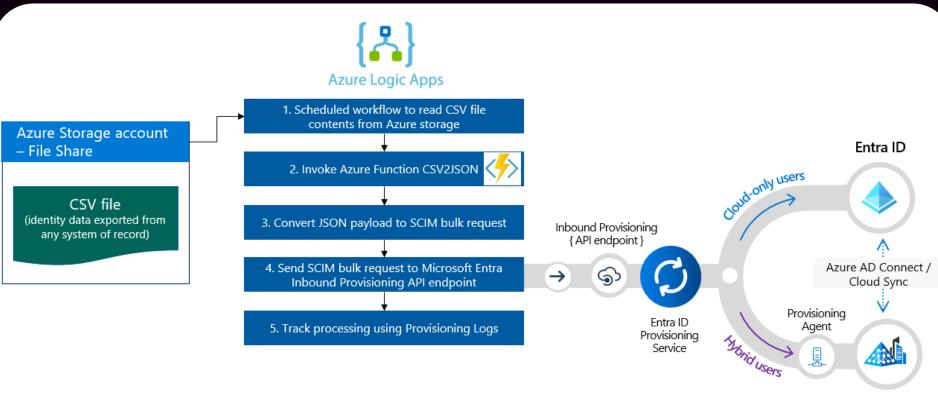
## SCIM

- Graph API
  - Permission Scope & Role
    - SynchronizationData-User.Upload
- POST /bulkUpload
- Schema extensions
- Attribute Mapping



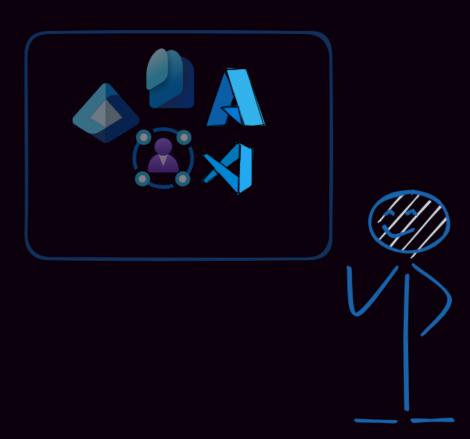


## Start Concept for Inbound Provisioning



Active Directory on-premises

# Demo Inbound Provisioning





# Summarize - Where are we? : 2 phases and need for integration..

- PHASE 1:
  - Onboarding/offboarding employees
    - Signing, Signicat, Entra Verified ID, ++
  - M&A
  - System of Record/Source of Authority
    - Multiple?
    - Your HR
      - StartDate
      - EndDate
    - + others??

#### PHASE 2:

- User automatic provisioning in Entra ID
- CRUD
- Lifecycle Workflows:
  - Joiner
  - Mover
  - Leaver
- employeeHireDate
- employeeLeaveDateTime

DSP -> Identity Integration



Inbound Provisioning





## Lifecycle Scenarios





## Lifecycle Workflows in Entra ID Governance

#### Choose a workflow Choose a workflow template to start creating your custom workflow. Learn more [7] g<sup>R</sup> Joiner x<sup>Q</sup> Joiner g<sup>R</sup> Mover x<sup>Q</sup> Joiner Onboard pre-hire employee Onboard new hire employee Post-Onboarding of an employee Configure pre-hire tasks for onboarding employees

Select | Details

Employee group membership changes Configure mover tasks for employees once their group membership changes

before their first day

g<sup>Q</sup> Mover

Select | Details Select | Details

Offboard an employee Configure offboarding tasks for employees on their last day of work

Configure new hire tasks for onboarding employees on their first day

Select | Details

g<sup>R</sup> Mover Employee job profile change

Configure mover tasks for employees once their job profile changes

Configure onboarding tasks for an employee after their first day of work

Select | Details

Real-time employee termination

Execute real-time termination tasks for employees on their last day of work

Select | Details

Real-time employee job change

Execute real-time tasks for employee job changes

Select | Details

я<sup>R</sup> Leaver Pre-Offboarding of an employee

Configure pre-offboarding tasks for employees before their last day of work

Select | Details

Post-Offboarding of an employee Configure offboarding tasks for employees after their last day of work

Select | Details

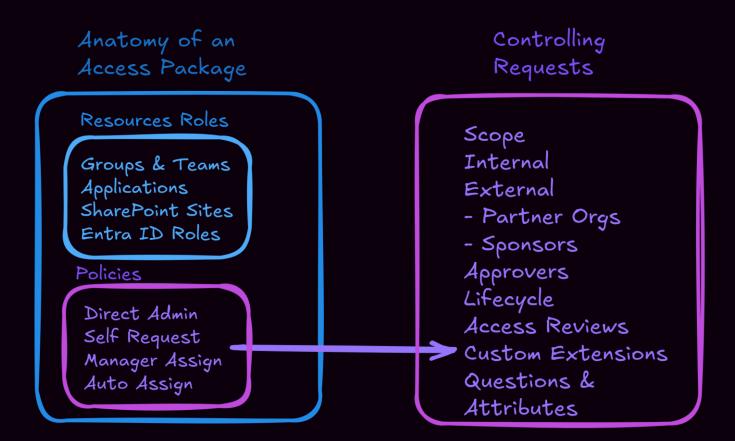
g<sup>R</sup> Leaver



Select | Details

g<sup>Q</sup> Leaver

## Entitlement Management - Access Packages



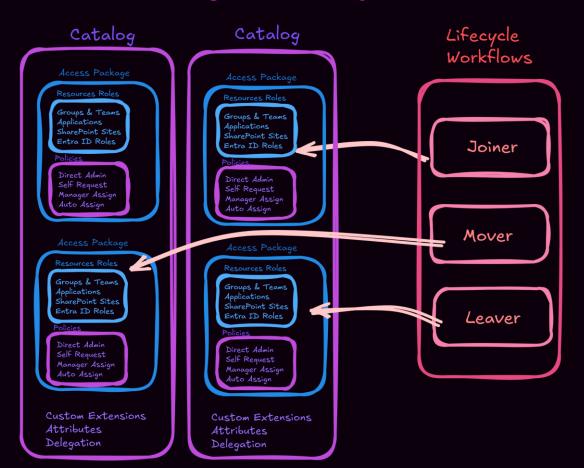


## Entitlement Management - Catalogs



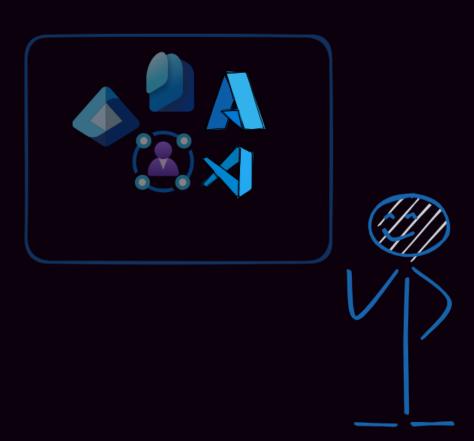


## Access Packages – Lifecycle Workflows





# Demo Lifecycle Workflows



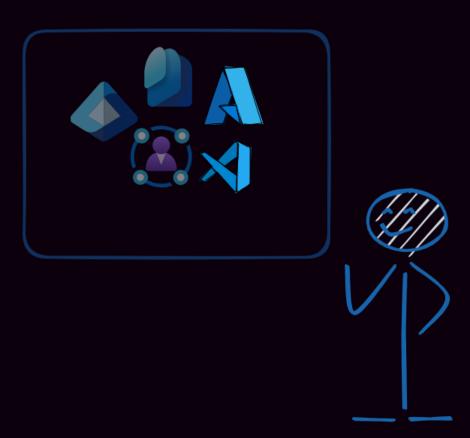


## Lifecycle Workflows – Custom Extensions

- Logic Apps
- Can send requests to other API's, for example:
  - Azure Functions
  - APIM
  - App Services
  - External API
    - (SMS Gateways)
    - •
- Magic wand of automation for Lifecycle scenarios



## **Demo Custom Extensions**





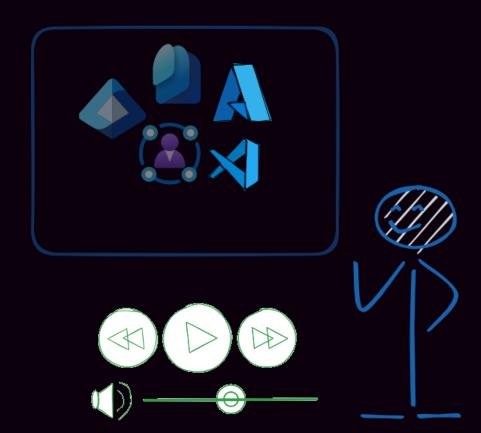
## Entra ID Governance Licenses

- API-driven Provisioning
  - Entra ID P1 | P2 | Entra ID
     Governance | Step Up | Entra Suite
- Lifecycle Worklows
  - LCW + Custom Extensions (Logic Apps)
  - Entra ID Governance | Step Up |
     Entra Suite
- PS! Entra Suite has a free 90-days / 25 user trial now.

Feature	Free	Microsoft Entra ID P1	Microsoft Entra ID P2	Microsoft Entra ID Governance	Microsoft Entra Suite
API-driven provisioning		$\checkmark$	$\checkmark$	$\overline{\mathbf{v}}$	$\checkmark$
HR-driven provisioning		<u>~</u>	$\checkmark$	$\checkmark$	<u>~</u>
Automated user provisioning to SaaS apps	<b>~</b>	$\checkmark$	$\overline{\mathbf{v}}$	<b>✓</b>	
Automated group provisioning to SaaS apps		✓	<b>✓</b>	<b>✓</b>	<b>~</b>
Automated provisioning to on- premises apps			<b>~</b>	✓	<b>~</b>
Conditional Access - Terms of use attestation		<b>~</b>	$\overline{\mathbf{Z}}$	<b>~</b>	
Entitlement management - Basic entitlement management			<b>~</b>	<b>☑</b>	<b>~</b>
Entitlement management - Conditional Access Scoping			<b>~</b>	<b>☑</b>	<b>~</b>
Entitlement management MyAccess Search			<b>~</b>	✓	<b>~</b>
Entitlement management with Verified ID				✓	
Entitlement management + Custom Extensions (Logic Apps)				✓	
Entitlement management + Auto Assignment Policies				<b>✓</b>	$\overline{\mathbf{v}}$
Entitlement management - Directly Assign Any User(Preview)				<b>~</b>	<b>~</b>
Entitlement management - Guest Conversion API				<b>✓</b>	<b>~</b>



# Demo







### Presentation & Demo Source :/>

