PowerShell Identity Automation with MIM

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Presenter

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- Microsoft Cloud Engineer
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- "Born again" developer
  - Past: Java, JavaScript, PHP, C, Visual Basic
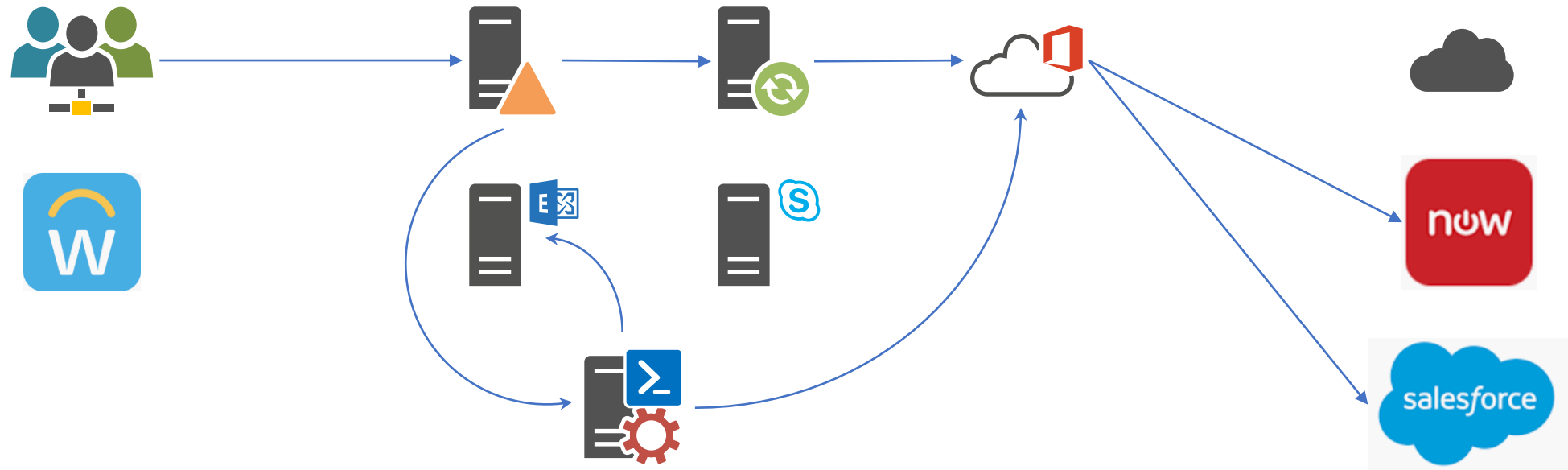 - Present: PowerShell and C#
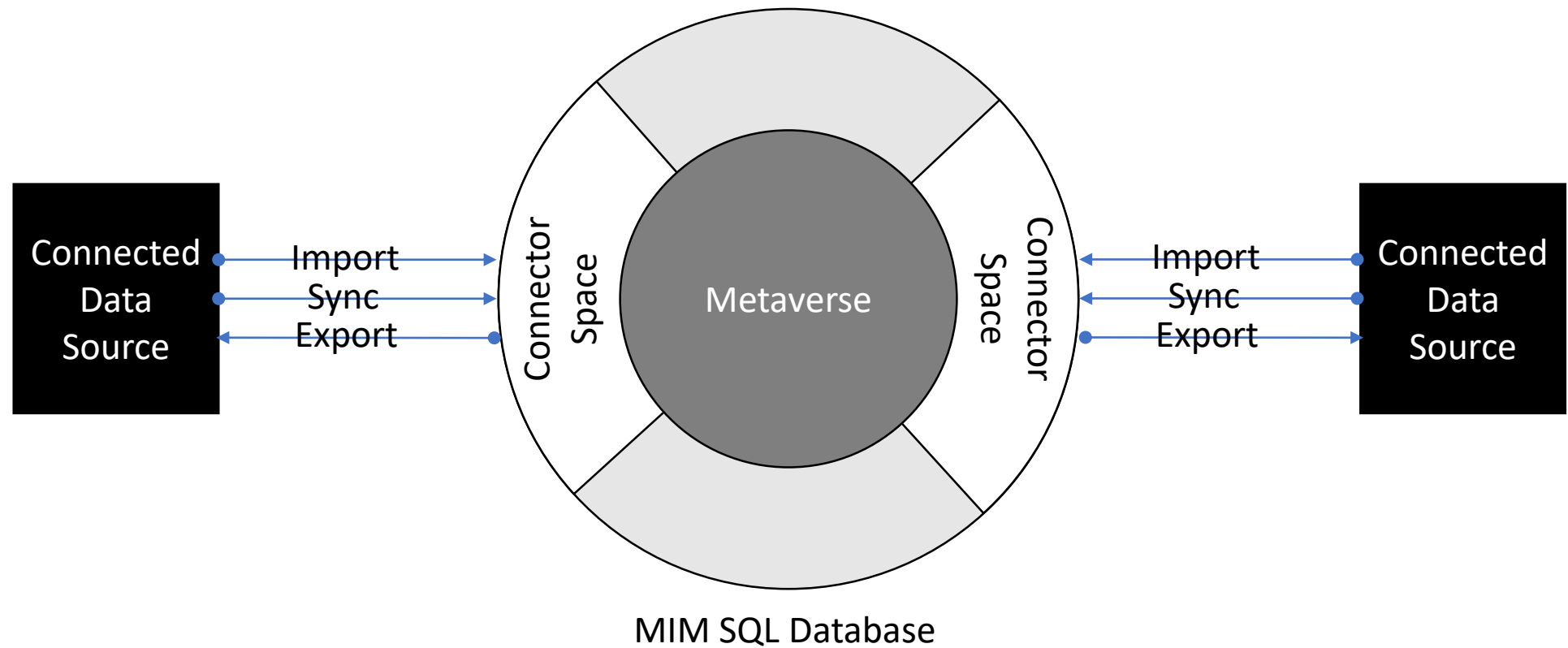
Agenda

- Identity Lifecycle
- The Code
- Q&A

Identity Lifecycle Maturity

- Level 0: The "Nerf" ball method
- Level 1: Checklists
- Level 2: Scripts
- Level 3: Semi automated
- Level 4: Fully automated identities
- Level 5: Level 4, plus updates, roles, profiles, etc

Identity Lifecycle Landscape

Identity Lifecycle MIM

The Code Structure

- Common module
- Schema: Microsoft.MetadirectoryServices.Schema
- Partition: List[Microsoft.MetadirectoryServices.Partition]
- Hierarchy: List[Microsoft.MetadirectoryServices.HierarchyNode]
- Import
  - Begin Import
  - Import: Microsoft.MetadirectoryServices.GetImportEntriesResults
  - End Import
- ~~Sync~~
  - ~~Begin Sync~~
  - ~~Sync~~
  - ~~End Sync~~
- Export
  - Begin Export
  - Export
  - ~~End Export~~

The Code Precautions

- Keep the code clean
- There is no interactive session
- Only output the defined object
- Only output the defined object
- Only output the defined object

The Code

Walkthrough

Q&A

Final thoughts