

# POWERSHELL IDENTITY AUTOMATION WITH MIM

DUSTIN DORTCH



# PRESENTER

- Dustin Dortch
  - [DustinDortch.com](http://DustinDortch.com)
  - [GitHub.com/DustinDortch](https://github.com/DustinDortch)
- Microsoft Cloud Engineer
  - Office 365
  - Enterprise Mobility + Security
  - Azure



# AGENDA

- Identity Lifecycle
- The Code
- Q&A

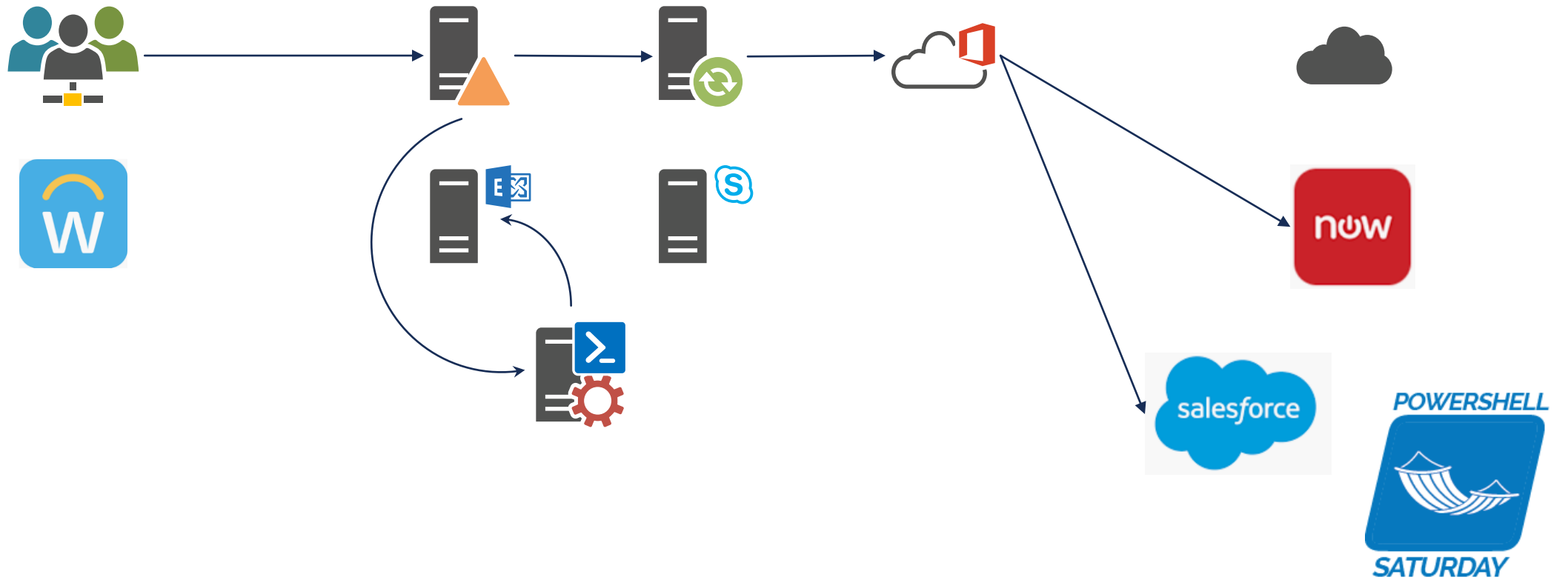


# IDENTITY LIFECYCLE MATURITY

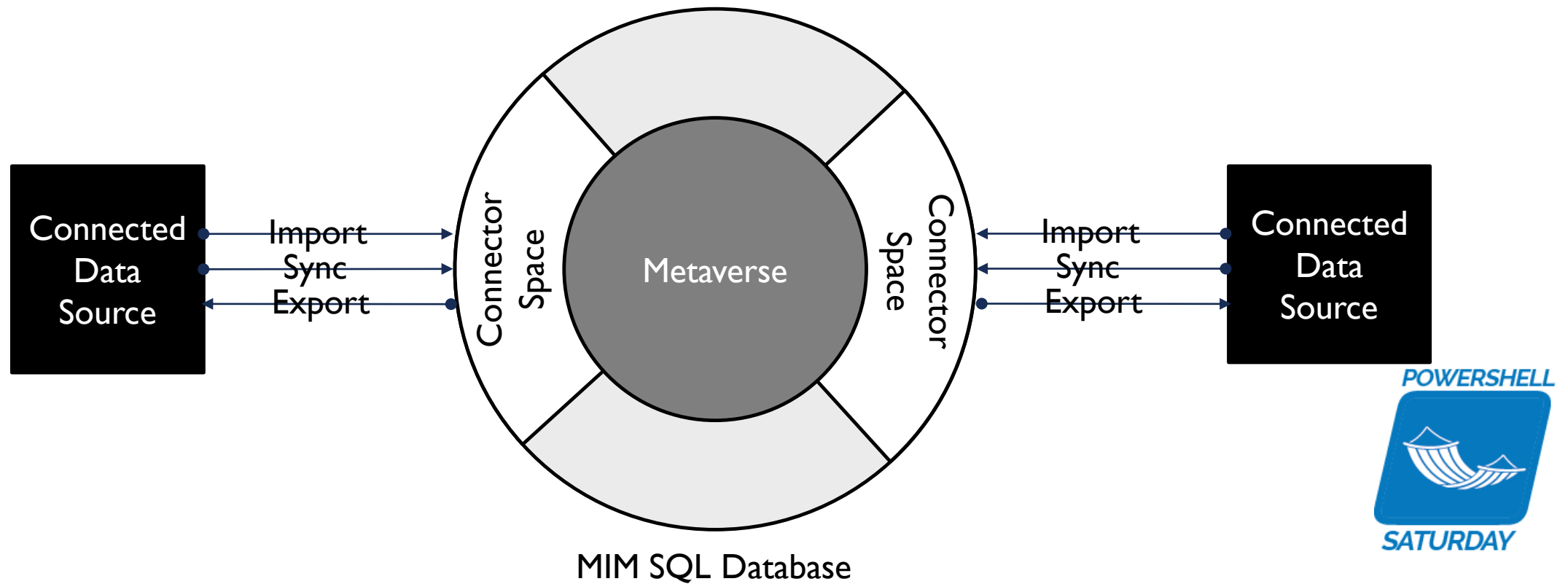
- Level 0: The “Nerf” ball method
- Level 1: Checklists
- Level 2: Scripts
- Level 3: Semi automated
- Level 4: Fully automated identities
- Level 5: Level 4, plus updates, roles, profiles, etc.



# 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
- 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

POWERSHELL



---

# Q & A

FINAL THOUGHTS

