

CyberRes

Tooling & IDM Container Deployment

TTP Session 2022

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Agenda

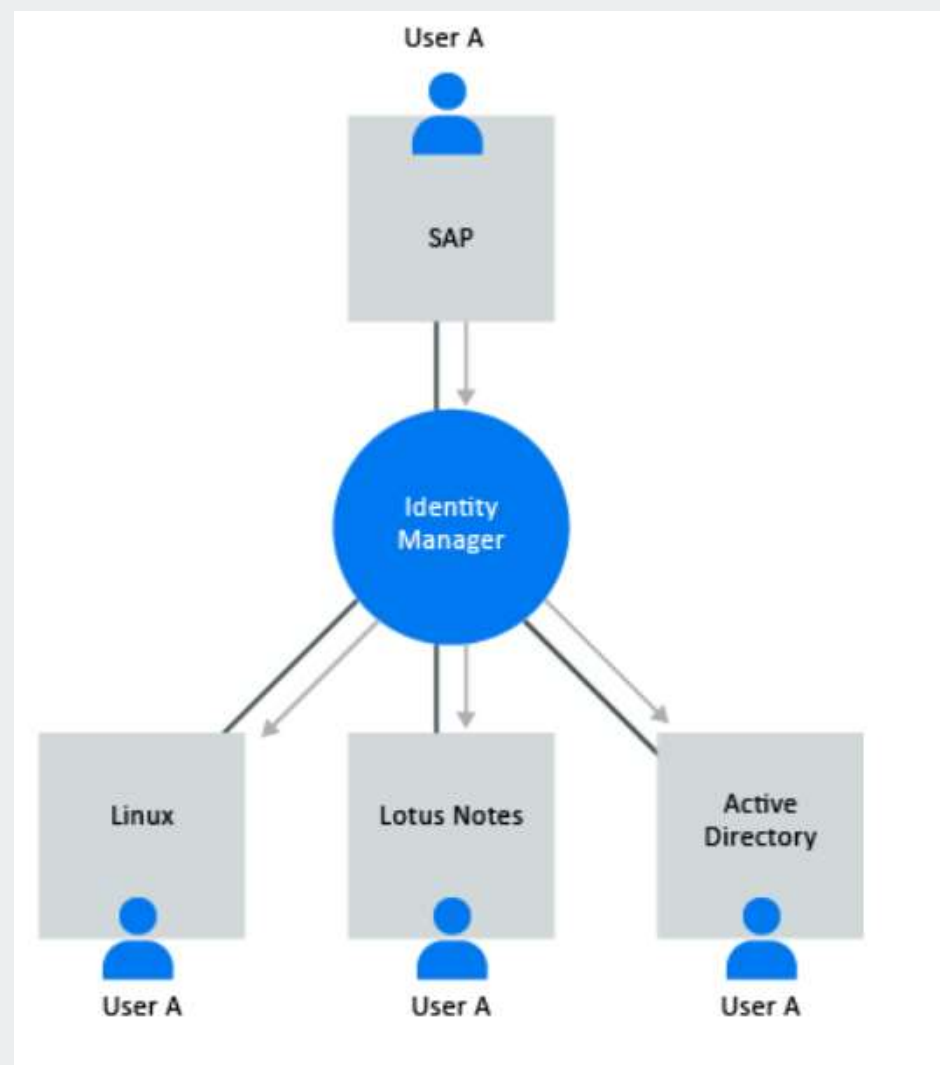
- Validator
- Demo - Validator
- Package Deployment Tool
- IDM Containers Deployment
- Demo – IDM AKS Deployment

Validator

Scenario#1

Joiner:

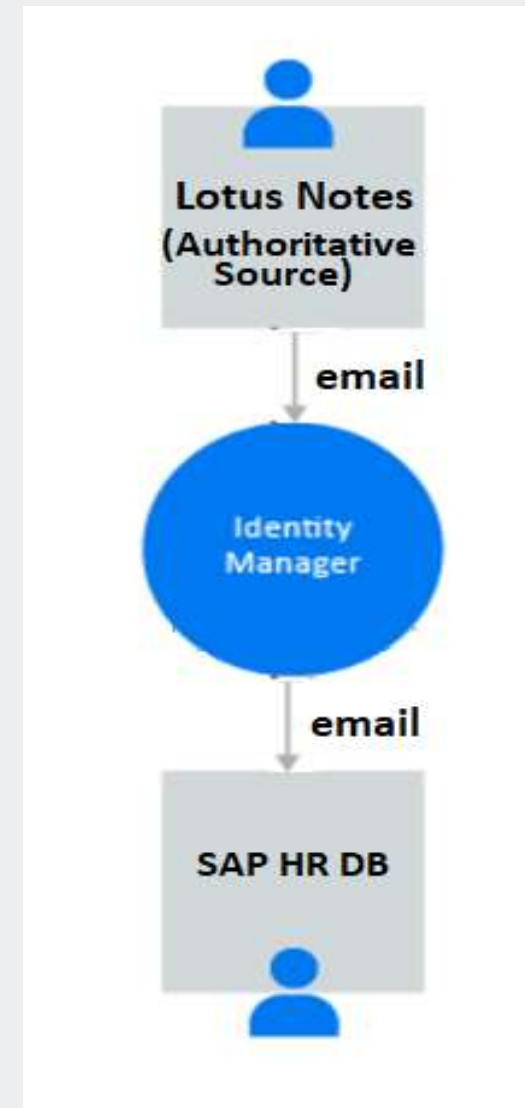
Hire a new employee in the SAP HR application, Identity Manager can automatically create a new user account in other connected systems.



Scenario#2

Shared Identity Data:

- Lotus Notes system is the authoritative source for a user's email address.
- The SAP HR database also uses email addresses.
- Identity Manager transforms the email address and shares it with the SAP HR database.



Problem Statement

Consultants:

- Identity Manager Driver Development and Testing
- Identity Manager Driver Deployment and Testing

Staging Environments:

- Identity Manager Driver Deployment to various Stages and Automate Testing

Need a testing tool to automate the Identity Manager Driver Testing.

Validator

- Testing tool for Identity Manager Driver Development
- Mostly used by the Consultants
- Speed up the Identity Manager Solution Deployment
- Validates the Identity Manager Drivers what they are supposed to do
- Create events in one application and validate in all other applications
- One tool to talk to all the applications

Validator 1.x Features

- Create a Test Suite.
- Add Connections (Connection to different applications)
- Configure the connection properties and test connection.
- Write Tests
- Run the tests
- See the Results (Summary and Detailed logs)
- Create Templates and associate with one or more tests.
- Import or export tests/templates/test-suite.
- Use of Variables

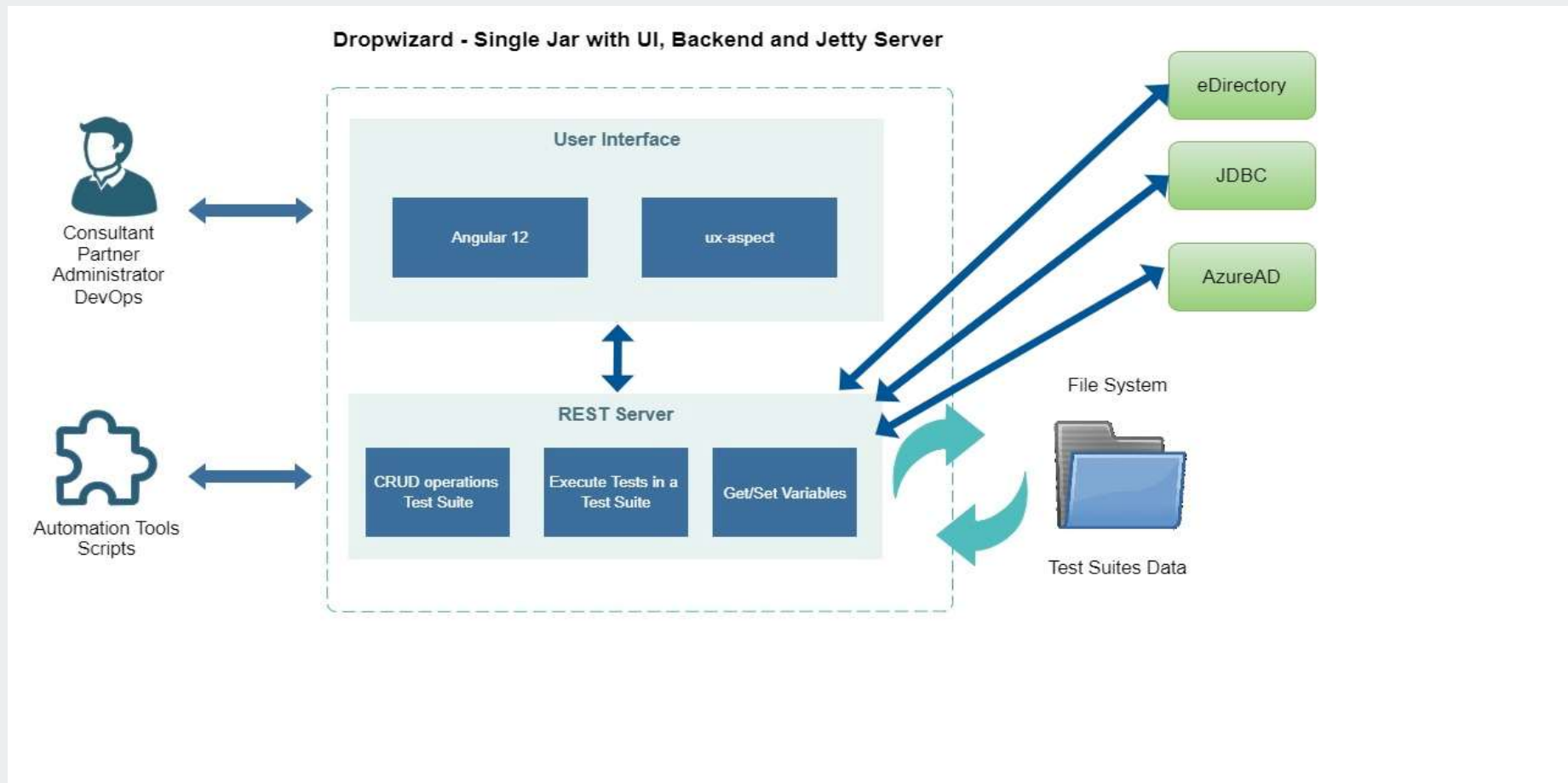
Validator : Supported Connected Systems

- LDAP Based Connectors (eDirectory, AD, LDAP)
- Active Directory Connector
- eDirectory Connector
- HTTP Connector
- JDBC Connector
- User App Connector
- SMTP Connector (Test if mail is sent/received)
- Text File Connector
- Remote Connector (Send/Retrieve file or execute command on remote server)
- Execute Connector (executes command on validator server)
- Web Service Listener Connector
- Generic Actions Connector (some general-purpose tools that can be used within tests)

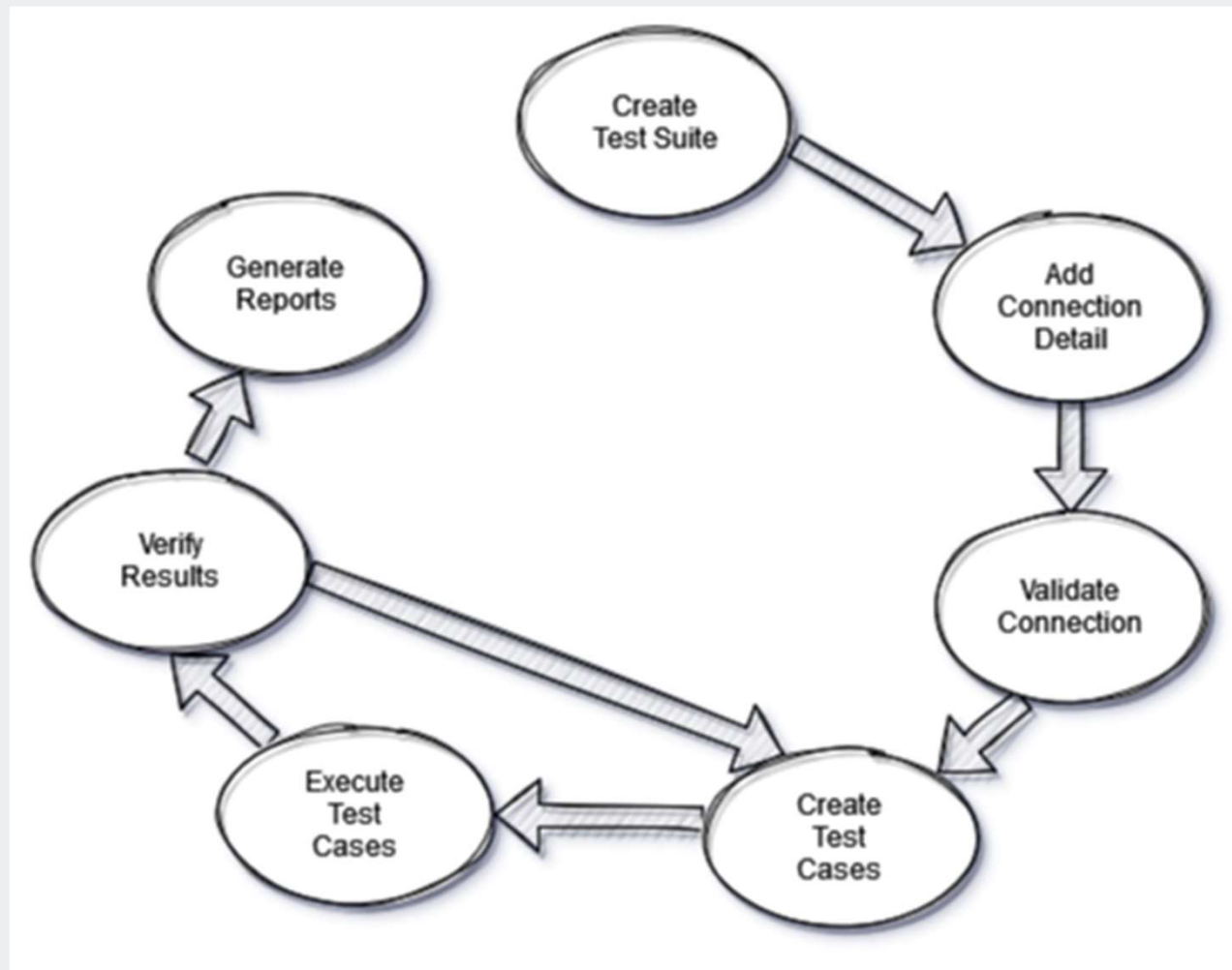
Validator : 2.0 Features

- New User Interface aligned to Micro Focus products
- Enhanced usability with new look and feel
- Supports REST APIs to easily configure and execute tests
- Upgrading the 3rd party libraries
 - Java 8 support
 - Using Latest Angular
 - Upgraded the 3rd party libraries to the newer versions
- Provides sample templates with testcases for many applications
- Easy to extract and launch (without any installer)
- Will be available to all IDM customers

Validator : Architecture



Validator : Test Suite Lifecycle



Demo - Validator

Package Deployment Tool

Package Deployment Tool

- Automatable mechanism for deploying driver & packages
- A building block in Policy Lifecycle
- Web User Interface
- Value for developers and consultants developing driver policies
- Easy deployment between environments (dev, test, staging, prod)

IDM Containers

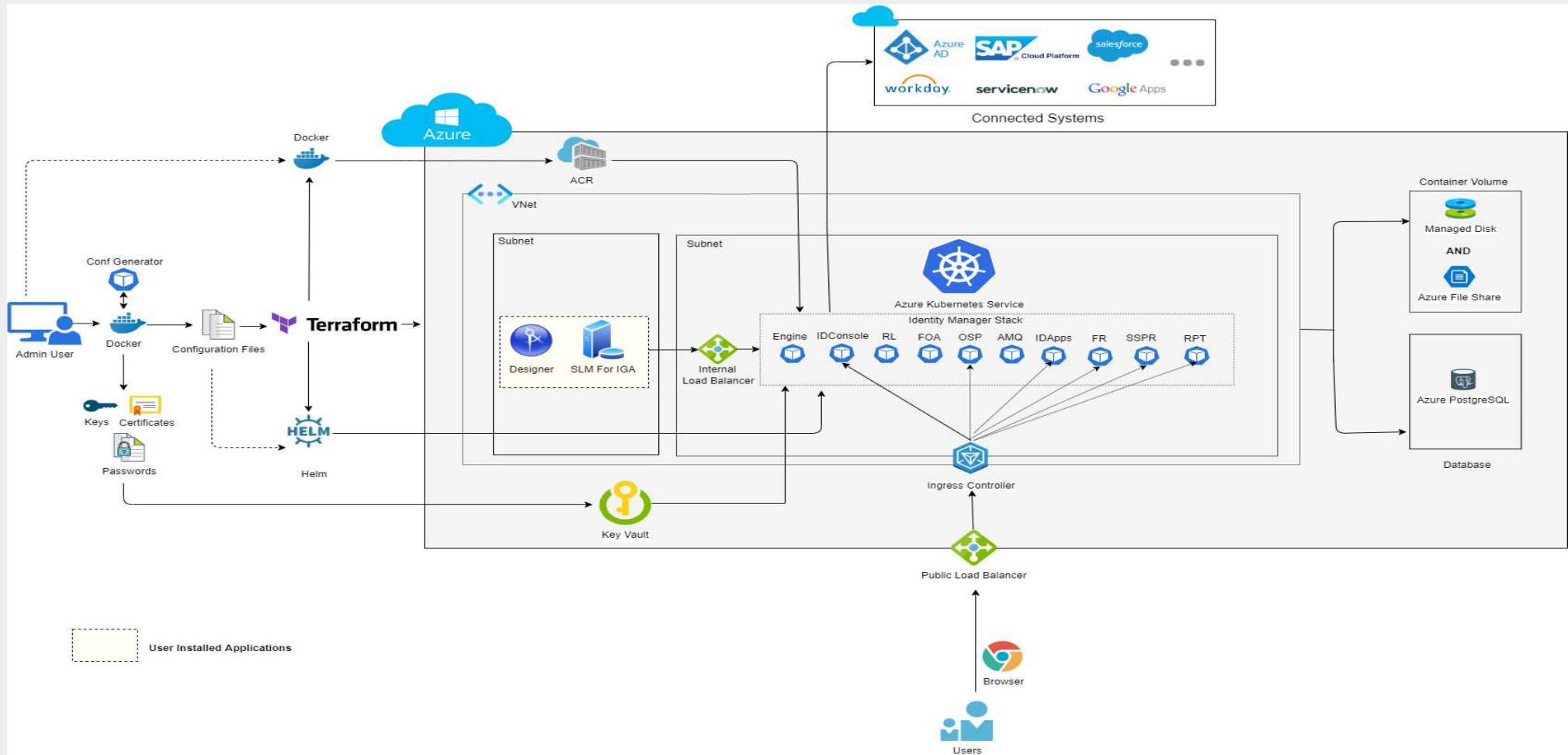
Existing modes of deploying Identity Manager containers

- Identity Manager docker container support with standalone docker host
- Identity Manager docker container deploy via Ansible
- Azure Kubernetes Service support with IDM Containers

Upcoming : What is new with IDM 486

- New mode of configuration – via Templates
 - Alternative to configuration generator
 - Edit terraform.tfvars, values.yaml and few more steps
- Architecture update - IDM Engine now part of AKS
- Multi-instance Support
 - IDM Engine
 - Identity Applications
 - OSP
- Supported with Azure Kubernetes Service

Upcoming : What is new with IDM 486 – Architecture (Engine is now part of AKS)



Demo – IDM AKS Deployment

Future

- Default drivers such RnR, UAD are still tied with the primary Engine server. Such drivers could be enhanced to run with any of the Engine instances.
- Based on the need; we shall implement multi-instance for other components as well
- Auto-scaling

The logo for CyberRes, featuring the word "CyberRes" in a bold, red, sans-serif font. The background is a light gray with a pattern of overlapping geometric shapes, including circles and triangles, in various shades of gray.

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