

Alpha Presentation Virtual Computer Service Enhancements

The Capstone Experience

Team Dow

Arvid Brunsell Mark Kistler Patrick Doyle Junnan Fu

Department of Computer Science and Engineering Michigan State University

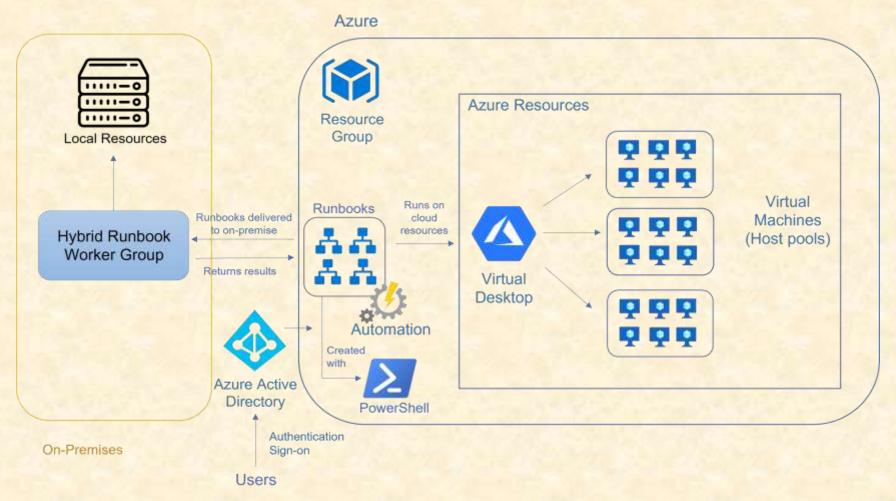
Fall 2021



Project Overview

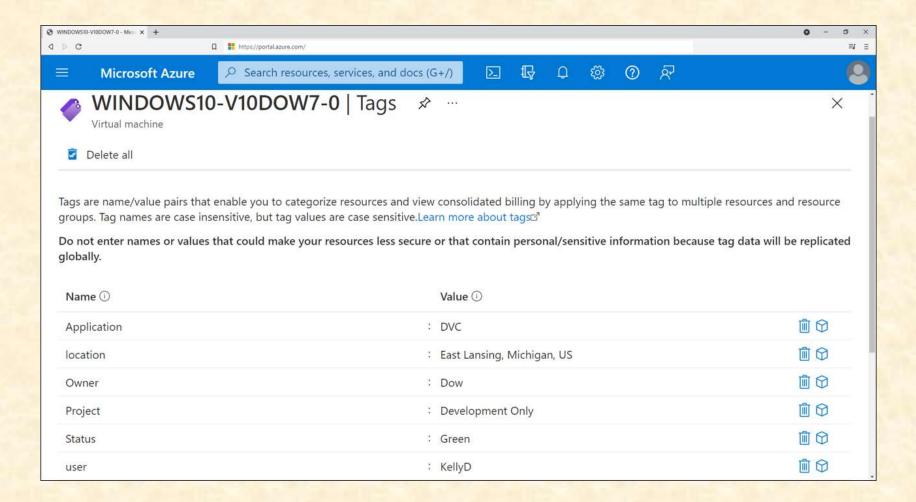
- Transition from persistent to non-persistent state
- Automate tagging of virtual machines
- Report on users with multiple virtual machines

System Architecture





Virtual Machine Tags



Runbook Output Log

Name : vm1-0

ResourceId : /subscriptions/d8c6a25f-386a-4a57-b314-c026cecfb600/resourceGroups/TEST/providers/Microsoft.Compute/

virtualMachines/vm1-0

ResourceName : vm1-0

ResourceType : Microsoft.Compute/virtualMachines

ResourceGroupName : TEST Location : eastus

SubscriptionId : d8c6a25f-386a-4a57-b314-c026cecfb600

Tags : {user, Project}

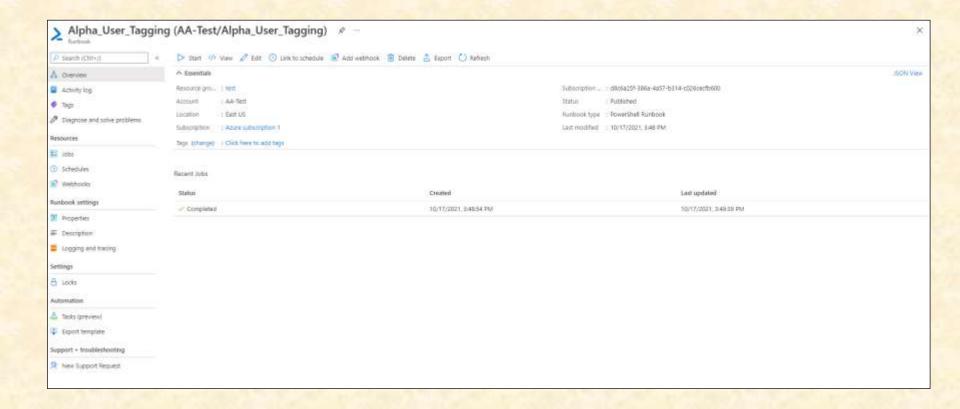
Properties : @{vmId=b1c81dc9-bb9d-4fcc-9e7f-adefaf200110; hardwareProfile=; storageProfile=; osProfile=;

networkProfile=; diagnosticsProfile=; licenseType=Windows_Client; provisioningState=Succeeded}

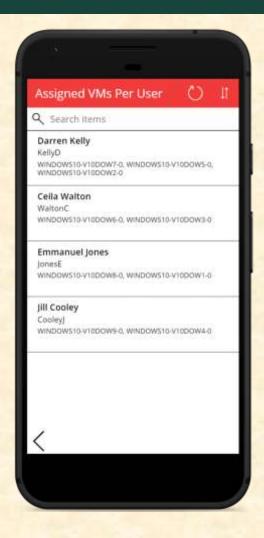
Identity : @{type=SystemAssigned; principalId=4958c7e8-478f-44ee-8087-24d8238a54f9;

tenantId=4d782ddb-8a7d-4e3e-b0c6-769994ea6f2a}

Runbook Overview



Microsoft Power App



What's left to do?

- Finalize user report
- Merge Dow's ADs
- Complete Power App

Questions?

