Automating with Service Principals
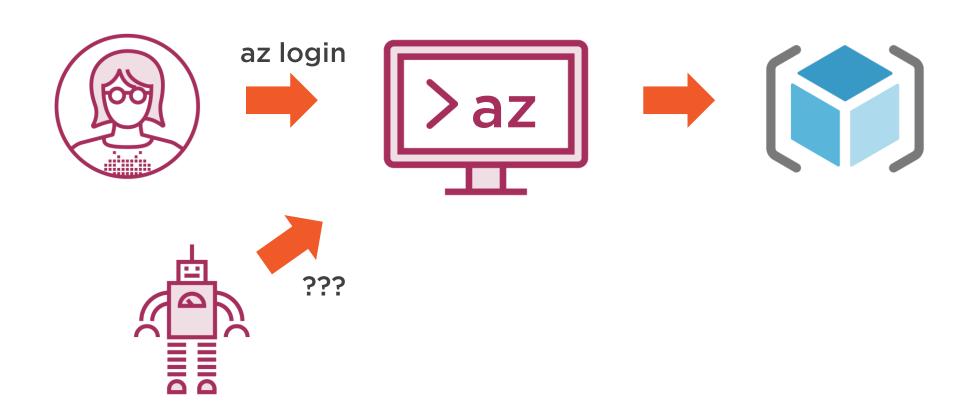
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Logging in to the Azure CLI

Using a Service Principal

Application identity

az ad app create

Service principal

az ad sp create-for-rbac

Permissions

az role assignment

Log in

az login --service-principal

Demo

Create an Active Directory application
- az ad app create

Create a service principal
- az ad sp create-for-rbac

Grant access to a resource group
- az role assignment create

Log in

Demo

Scheduled Azure function
- Logs in with service principal
- Deallocates virtual machine

Automating with Service Principals

```
az ad app create
--display-name MyApp
--homepage http://MyApp
--identifier-uris http://MyApp

az ad sp create-for-rbac
--name $appId
--password $password

az role assignment create
--assignee $spAppId
--role contributor
--scope "/subscriptions/$subId/
resourceGroups/$resGroup"

az login --service-principal
-u $spAppId
--password $password
--tenant $tenantId
```

◄ Create an AD application

◄ Create a service principal

◄ Create a role assignment

◄ Restrict scope to a
resource group

◄ Log in with a service principal

Thanks for watching!