

Designing and Implementing Azure DevTest Labs



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Course Overview



Introduction and Azure Fundamentals

Provisioning Virtual Machines with the Microsoft Azure Portal, Azure CLI and PowerShell

Building and Deploying a Custom Virtual Machine Image

Managing Virtual Machine Disks

Designing and Implementing Azure DevTest Labs

Overview

Introducing DevTest Labs

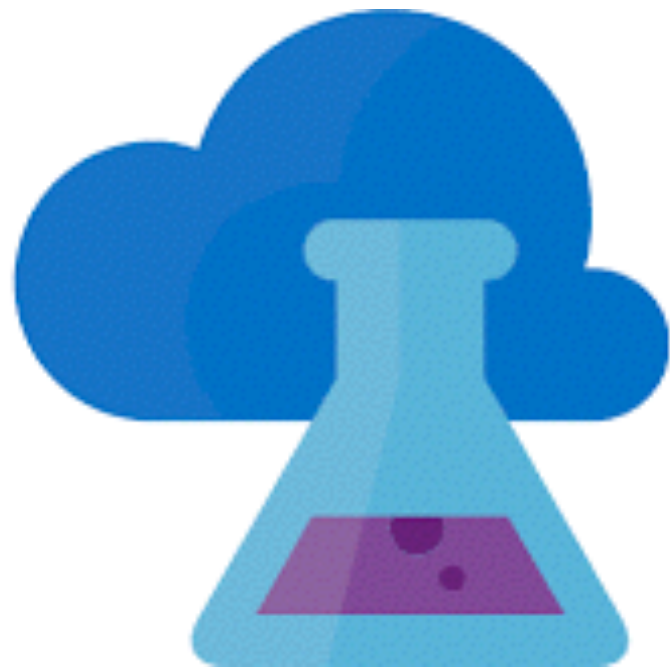
Creating VMs in DevTest Labs

**Deploying and Configuring Applications
with Artifacts**

Using Formulas to Provision VMs

**Understanding Policies and Controlling
Costs**

Azure DevTest Labs



Provision Windows or Linux VMs

Install software

Manage configuration

Publishes the VMs to users

Subset of Azure Lab Services (Preview)

DevTest Labs Use Cases



Development

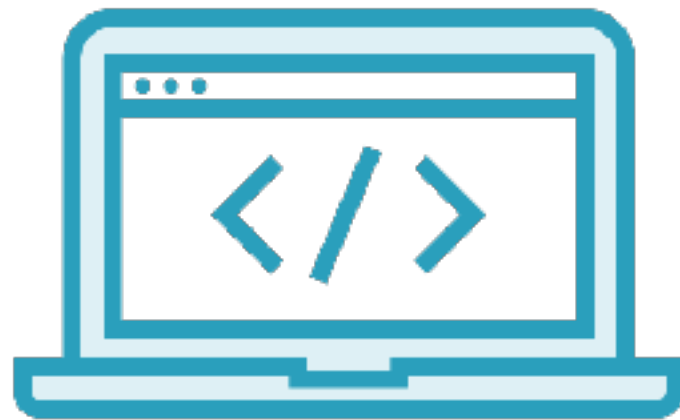


Test



Training/Classroom

DevTest Labs Capabilities



Reduces delays in creating and managing cloud infrastructure

Sources VMs from Marketplace or custom images

Add Artifacts, software and configuration to the VM

Define Formulas to provision many VMs quickly

DevTest Labs Capabilities (con't)



Provide self service deployment for developers and testers

Configure networking, AD configuration

Control costs with Policies

Build templates for sharing or redeployment

Integration with VSTS for CI/CD scenarios

Deploying VMs in DevTest Labs

Image
(Marketplace/Custom)

Username
Secrets

VM Size

Number to Provision

Networking

Access
Public/Private/Shared

Using Artifacts



Deploy applications and configure your VMs

Application testing

Installing Tools

Windows - FireFox, Notepad++ and more

Linux - install from a repository

Clone Repositories

Using Artifacts - Configuration



Actions

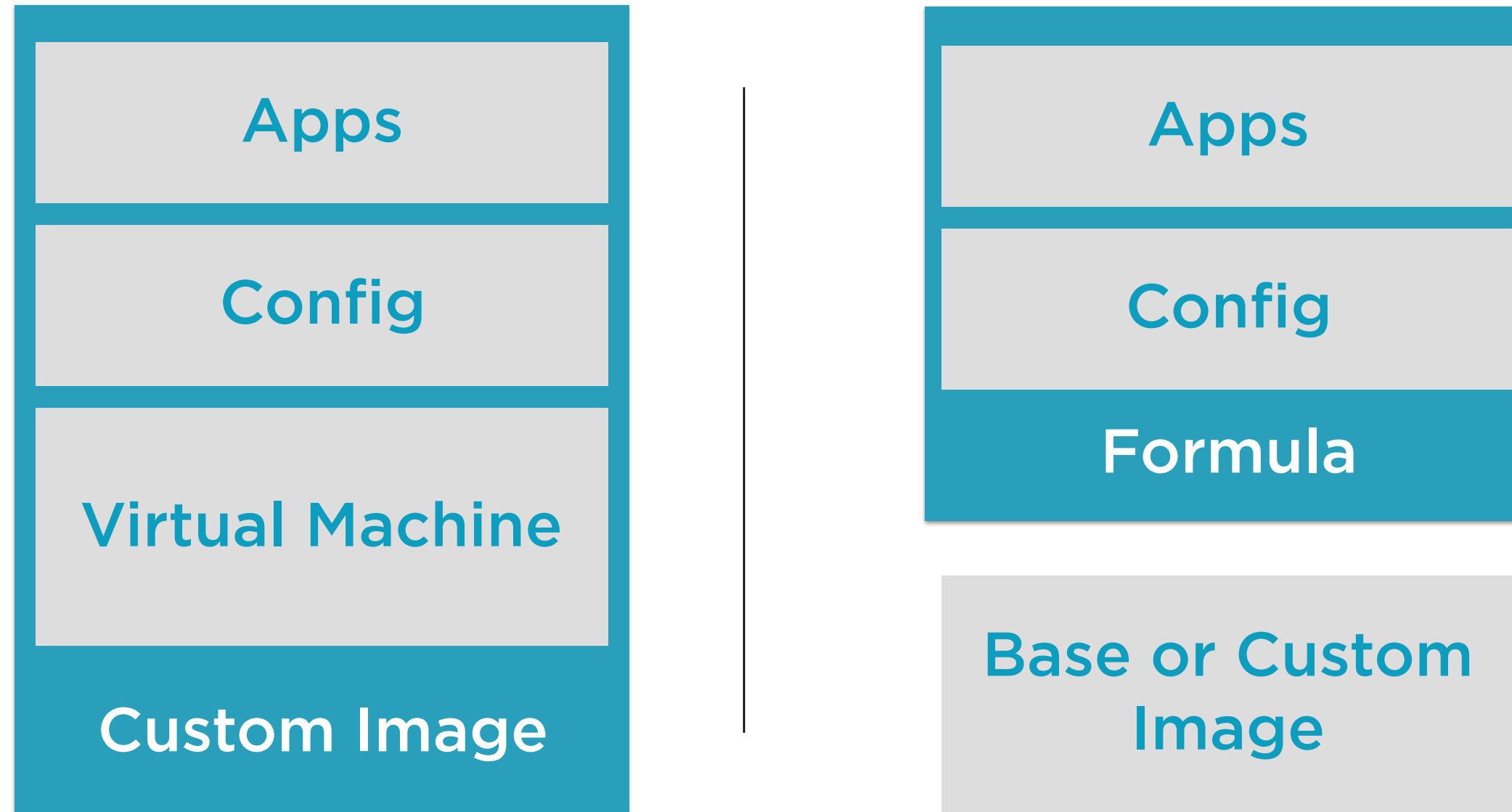
Run scripts - bash and PowerShell

Configuration tasks

Configure networking or join a domain

Mandatory Artifacts

Using Formulas



Using Policies to Control Costs



**Auto
Startup/Shutdown**



**Number of VMs per
lab or per user**



**Lab cost
trending/reporting**

Demo

Creating a DevTest Lab

Adding Secrets

Creating a VM

Creating and using Artifacts

Creating a Formula

Configuring Policies

Summary

Introducing DevTest Labs

Creating VMs in DevTest Labs

**Deploying and Configuring Applications
with Artifacts**

Using Formulas to provision VMs

**Understanding Policies and Controlling
Costs**

Thank you!