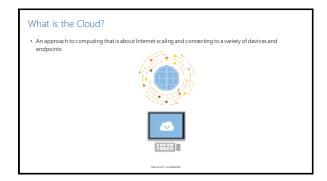
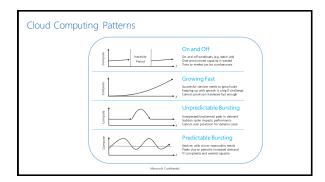
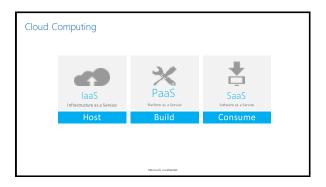
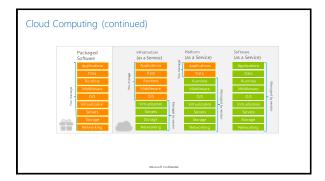
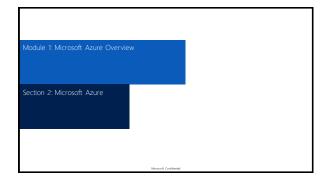
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| Microsoft Azure: Infrastructure as a | |
| Service (laas) | |
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| Module 1: Microsoft Azure Overview | |
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| Section 1: Cloud Computing | |
| Introduction | |
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| Prerequisites | |
| Windows 7, Windows 8, Windows Server 2008 R2 and Windows Server 2012 Microsoft Azure PowerShell | |
| Microsoft Azure account | |
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| Microsoft Confidential | |













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Microsoft Azure App Service

- $\mbox{\sc App Service}$ fully managed platform in Azure for web, mobile and integration scenarios. This includes
 - $_{\circ}\ \ Web\, Apps-Enterprise\, grade\, web\, applications$
 - Mobile Apps (preview) Build native and cross platform apps for iOS, Android, and Windows apps or cross-platform Xamarin or Cordova (Phonegap) apps
 - API Apps (preview) API apps in Azure App Service are used to develop, publish, manage, and monetize APIs.
 - Logic Apps (preview) Allows developers to design workflows that articulate intent via a trigger and series of steps, each invoking an App Service API app

| Microsoft Azure Cloud Services | |
|---|----------|
| Role – a configuration passed to Azure to tell Azure how many machines of which size and configuration to build for you | |
| Web Role – Virtual machine with IIS installed | - |
| Worker Role – Virtual machine without IIS installed | |
| Ability to mix together multiple role configurations within a single Cloud Service Package – Source code binaries are packaged and sent with the configuration file to Azure | |
| Highly scalable – can exceed number of machines capability of App Service Web Apps | |
| Allows RDP into individual VMs | |
| Cloud Services are also used to contain laaS virtual machines (V1- Classic) | |
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| High Level view of Virtual Machine Services | |
| Compute resources | |
| o Virtual Machines | |
| o VM Extensions | |
| Storage Resources Blobs, tables, queues and Files functionality | |
| Storage accounts (blobs) – Standard & Premium Storage | |
| Networking Resources | |
| Virtual networks Network interface cards (NICs) | |
| o Load balancers | - |
| o IP addresses | |
| o Network Security Groups | |
| Morsoft Corlidatelal | |
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| Managing Azure Deployments | |
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| Azure Service Manager (ASM) | |
| Traditional way to deploy and manage applications hosted in Azure Azure Portal https://manage.windowsazure.com | |
| PowerShell / CLI (default mode) REST API | |
| - NEST AFT | - |
| Azure Resource Manager (ARM) | |
| Modern way to deploy and manage applications hosted in Azure Azure Portal https://portalazure.com | |
| PowerShell / CLİ (ARM mode) REST API | |
| Azure Resource Management Library for .NET | |
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