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## Create and Configure Azure App Service

## Module 1

Azure App Service

**App Service Documentation** 

Manage an App Service Plan in Azure

Scale up an app in Azure App Service

**App Service Pricing** 

**App Service Limits** 

Cloning and existing App to an App Service Environment

Set up Azure App Service access restrictions

Advanced usage of authentication and authorization in Azure App Service

Set up staging environments in Azure App Service

Create a static HTML web app in Azure

PowerShell samples for Azure App Service

Azure CLI samples for Azure App Service

## PowerShell example from Azure docs site (above)

```
# Replace the following URL with a public GitHub repo URL
$gitrepo="https://github.com/Azure-Samples/app-service-web-dotnet-get-started.git"
$webappname="mywebapp$(Get-Random)"
$location="centralus"

# Create a resource group.
New-AzResourceGroup -Name myResourceGroup -Location $location

# Create an App Service plan in Free tier.
New-AzAppServicePlan -Name $webappname -Location $location -ResourceGroupName
myResourceGroup -Tier Free

# Create a web app.
New-AzWebApp -Name $webappname -Location $location -AppServicePlan $webappname -
ResourceGroupName myResourceGroup

# Configure GitHub deployment from your GitHub repo and deploy once.
$PropertiesObject = @{
    repoUrl = "$gitrepo";
```

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```
branch = "master";
  isManualIntegration = "true";
}
Set-AzResource -Properties $PropertiesObject -ResourceGroupName myResourceGroup -
ResourceType Microsoft.Web/sites/sourcecontrols -ResourceName $webappname/web -
ApiVersion 2015-08-01 -Force
```

## Module 2

Tutorial: Map an existing custom DNS name to Azure App Service

Manage backup

Restore an App in Azure

Integrate your app with an Azure VNet

Subscription and service limits

**Understanding Azure CDN billing** 

What is a content delivery network on Azure?

Tutorial: Add Azure CDN to an Azure App Service web app

**Deployment Best Practices** 

Set up staging environments in Azure App Service