# AZ-203: Develop Azure Infrastructure as a Service Compute Solutions (10-15%)

**Implement solutions that use virtual machines (VM)**

* For the disks, focus on [encryption basics and how key vault is related](https://docs.microsoft.com/en-us/azure/security/azure-security-disk-encryption-windows)
* creating ARM templates - review the ARM templates in the [quickstart templates](https://github.com/Azure/azure-quickstart-templates/tree/master/101-vm-simple-linux)
* Provision VMs
  + [Quickstart: Create a Windows virtual machine in Azure with PowerShell](https://docs.microsoft.com/en-us/azure/virtual-machines/windows/quick-create-powershell)
  + [Quickstart: Create a Windows virtual machine with the Azure CLI](https://docs.microsoft.com/en-us/azure/virtual-machines/windows/quick-create-cli)
  + [Quickstart: Create a Linux virtual machine in Azure with PowerShell](https://docs.microsoft.com/en-us/azure/virtual-machines/linux/quick-create-powershell)
  + [Quickstart: Create a Linux virtual machine with the Azure CLI](https://docs.microsoft.com/en-us/azure/virtual-machines/linux/quick-create-cli)
  + [Create and manage Windows VMs in Azure using C#](https://docs.microsoft.com/en-us/azure/virtual-machines/windows/csharp)
* Create ARM templates
  + [Create Azure Resource Manager template](https://docs.microsoft.com/en-us/azure/azure-resource-manager/how-to-create-template)
  + [Quickstart: Create Azure Resource Manager templates by using Visual Studio Code](https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-manager-quickstart-create-templates-use-visual-studio-code?tabs=CLI)
* Configure Azure Disk Encryption for VMs
  + [Encrypt virtual disks on a Windows VM](https://docs.microsoft.com/en-us/azure/virtual-machines/windows/encrypt-disks)
  + [How to encrypt a Linux virtual machine in Azure](https://docs.microsoft.com/en-us/azure/virtual-machines/linux/encrypt-disks)