

To **build a VM (Virtual Machine)** server in Azure, you can follow these general steps:

1. **Sign in to the Azure Portal:**
 - Go to <https://portal.azure.com> and sign in with your Azure account.
 2. **Navigate to the Virtual Machines service:**
 - In the Azure Portal, click on the "Create a resource" button (+) in the upper-left corner.
 - Search for "Virtual Machines" in the search bar and select it from the results.
 3. **Create a new virtual machine:**
 - Click on the "Add" button to create a new virtual machine.
 - You'll be prompted to fill out details for the virtual machine, such as:
 - Basics: Name, subscription, resource group, region, etc.
 - Instance details: Choose VM size, disk type, etc.
 - Administrator account: Username and password for accessing the VM.
 - Networking: Configure network settings such as Virtual Network, Subnet, Public IP, etc.
 - Management: Configure monitoring, auto-shutdown, etc.
 - Advanced: Optional configurations like extensions, tags, etc.
 4. **Choose an operating system:**
 - Select the operating system you want to use for the virtual machine. Azure provides a variety of options including Windows Server, various Linux distributions, and more.
 5. **Configure additional settings (optional):**
 - Depending on your requirements, you may need to configure additional settings such as availability options, monitoring, security, etc.
 6. **Review and create:**
 - Review the settings you've configured for the virtual machine.
 - Once you're satisfied, click on the "Review + create" button.
 - Azure will validate your settings, and if everything looks good, you can click on the "Create" button to provision the virtual machine.
 7. **Monitor the deployment:**
 - Once the deployment process begins, you can monitor the progress in the Azure Portal. It may take a few minutes for the virtual machine to be provisioned.
 8. **Access your virtual machine:**
 - Once the virtual machine is provisioned, you can access it using Remote Desktop Protocol (RDP) for Windows VMs or SSH for Linux VMs.
 - Use the username and password you specified during the creation process to log in to the virtual machine.
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1. To **build a VM (Virtual Machine IIS)** server in Azure, you can follow these general steps:
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3. **Sign in to the Azure Portal:**
 - Go to <https://portal.azure.com> and sign in with your Azure account.
4. **Create a Virtual Machine:**
 - Click on the "Create a resource" button (+) in the upper-left corner.
 - Search for "Virtual machine" and select "Virtual machine" from the results.
 - Click on the "Create" button to start creating a new VM.
5. **Basics:**
 - Fill out the basic information such as Subscription, Resource Group, Virtual Machine Name, Region, Availability Options, etc.
 - Choose the appropriate operating system. For hosting IIS, you can select Windows Server.
 - Provide a username and password for accessing the VM.
6. **Size:**
 - Choose a VM size that meets your requirements. For IIS hosting, you may start with a size appropriate for your expected workload.
7. **Settings:**
 - In the Settings section, you can configure various options including:
 - Network: Choose a Virtual Network and Subnet for the VM.
 - Public IP: Select whether to use an existing public IP or create a new one to access the VM over the internet.
 - Network Security Group: Configure inbound and outbound traffic rules.
 - Extensions: Optional features such as Azure Disk Encryption, VM Diagnostics, etc.
8. **Disks:**
 - Configure the OS disk and any additional data disks as needed.
9. **Networking:**
 - Configure the network interfaces and ports as per your requirements. For IIS, you'll need to **ensure that port 80 (HTTP) and 443 (HTTPS) are open.**
10. **Management:**
 - Configure monitoring, boot diagnostics, backup, and other management options as needed.
11. **Advanced:**
 - Configure any additional settings such as tags, Azure Spot instance, etc.
12. **Review + Create:**
 - Review the settings you've configured for the VM.

- Once everything looks good, click on the "Create" button to start provisioning the VM.

13. **Connect to the VM:**

- Once the VM is provisioned, you can connect to it using Remote Desktop Protocol (RDP) for Windows VMs.
- Use the username and password you provided during the creation process to log in to the VM.

14. **Install IIS:**

- Once logged in to the VM, open Server Manager.
 - Click on "Add roles and features" and follow the wizard to install the Web Server (IIS) role.
 - After installation, you can configure IIS to host your websites or web applications.
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