To install IIS (Internet Information Services) using a custom extension on an Azure Virtual Machine via the Azure portal, follow these steps:

**1. Create a Custom Script Extension**

* **Prepare a Script:** First, create a PowerShell script that installs IIS. Here’s a simple example of such a script (installIIS.ps1):

powershell

Copy code

Install-WindowsFeature -name Web-Server -IncludeManagementTools

* **Upload the Script to Azure Storage:** Upload this script to an Azure Storage account or any accessible location like GitHub.

**2. Add the Custom Script Extension to Your VM**

* **Navigate to Azure Portal:** Go to the Azure portal (<https://portal.azure.com/>).
* **Find Your VM:**
  + Navigate to Virtual machines in the left-hand menu.
  + Select the VM on which you want to install IIS.
* **Add an Extension:**
  + In the VM’s settings, click on Extensions + applications in the menu.
  + Click on + Add to add a new extension.
* **Choose the Extension Type:**
  + Select Custom Script Extension from the list.
* **Configure the Extension:**
  + **Script Location:** Provide the URL where your script is hosted (e.g., Azure Storage URL or GitHub URL).
  + **Script Parameters (Optional):** If your script requires parameters, you can specify them here.
  + Click Review + Create, then click Create to deploy the extension.

**3. Verify the Installation**

* **Check the Extension Status:**
  + After deployment, you can check the status of the custom script extension in the Extensions + applications section of your VM.
  + Look for any error messages or logs related to the script execution.
* **Verify IIS Installation:**
  + Connect to your VM via Remote Desktop.
  + Open PowerShell or Command Prompt and run Get-WindowsFeature -Name Web-Server to verify that IIS is installed.

That’s it! Your custom script extension should install IIS on your Azure VM using the Azure portal. If you encounter any issues, check the script logs or extension status for troubleshooting.