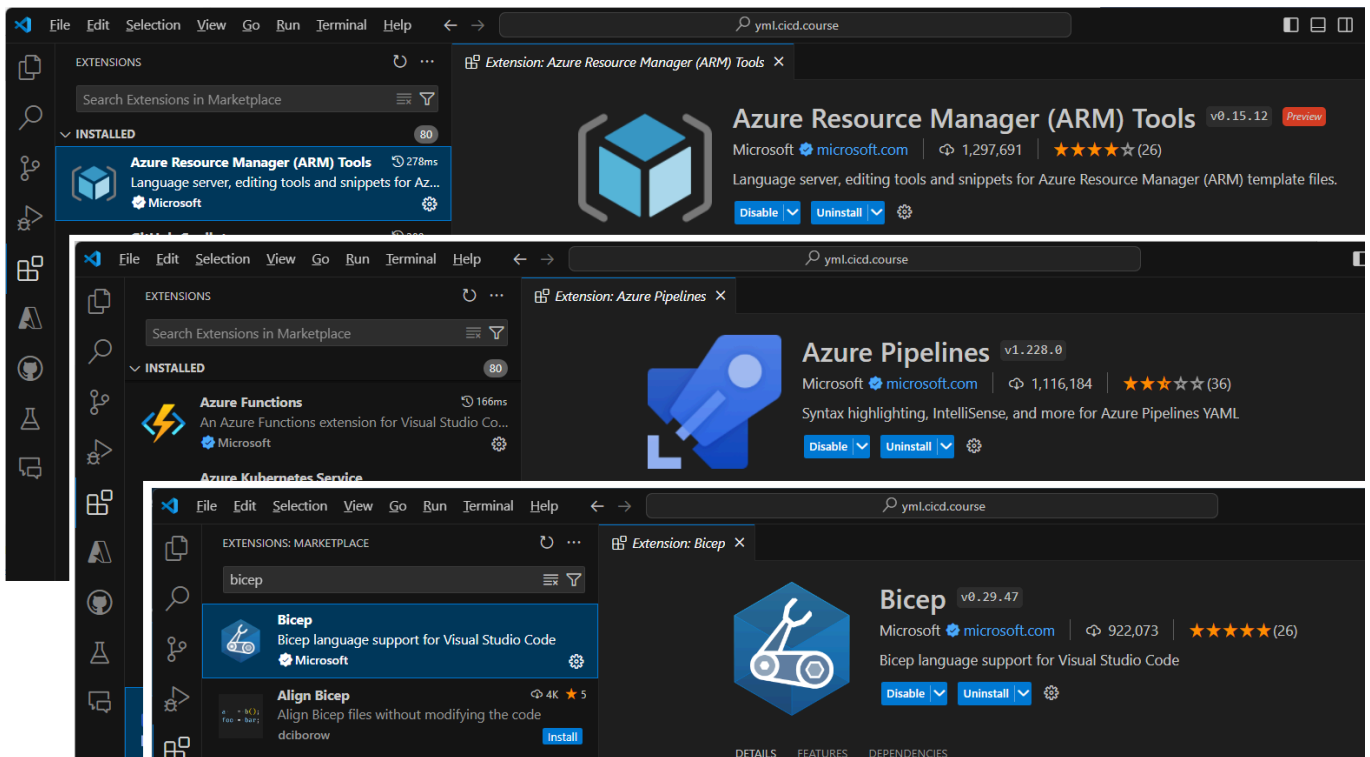# Module 0: Visual Studio Code and Other Essential Tools

Steps

1. You will need Admin privileges on local machine to install CLI tools such as Azure CLI and Bicep

2. Install Git

3. Install Azure CLI

4. Install Bicep Tools

5. Install AZ PowerShell Modules

6. Install Visual Studio Code

7. Install VS Code Extensions:

   - Bicep

   - Azure Resource Manager (ARM) Tools

   - Azure Tools

   - Azure Pipelines for VS Code

Test your installs

To verify your AZ CLI installation, run this command in your terminal or command prompt:

```
az --version
```

To validate your Bicep CLI installation, run this command in your terminal or command prompt:
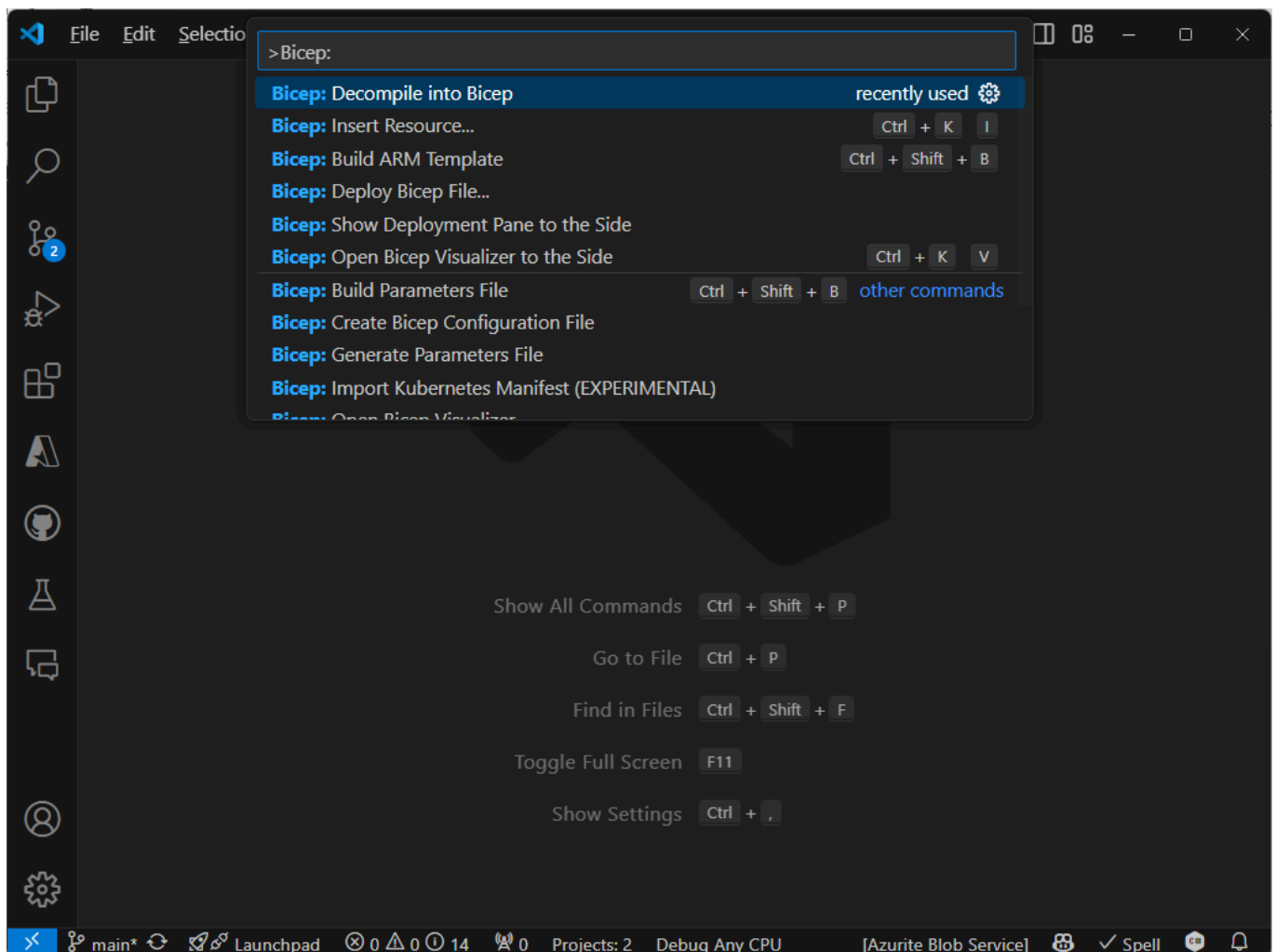
```
az bicep version
```

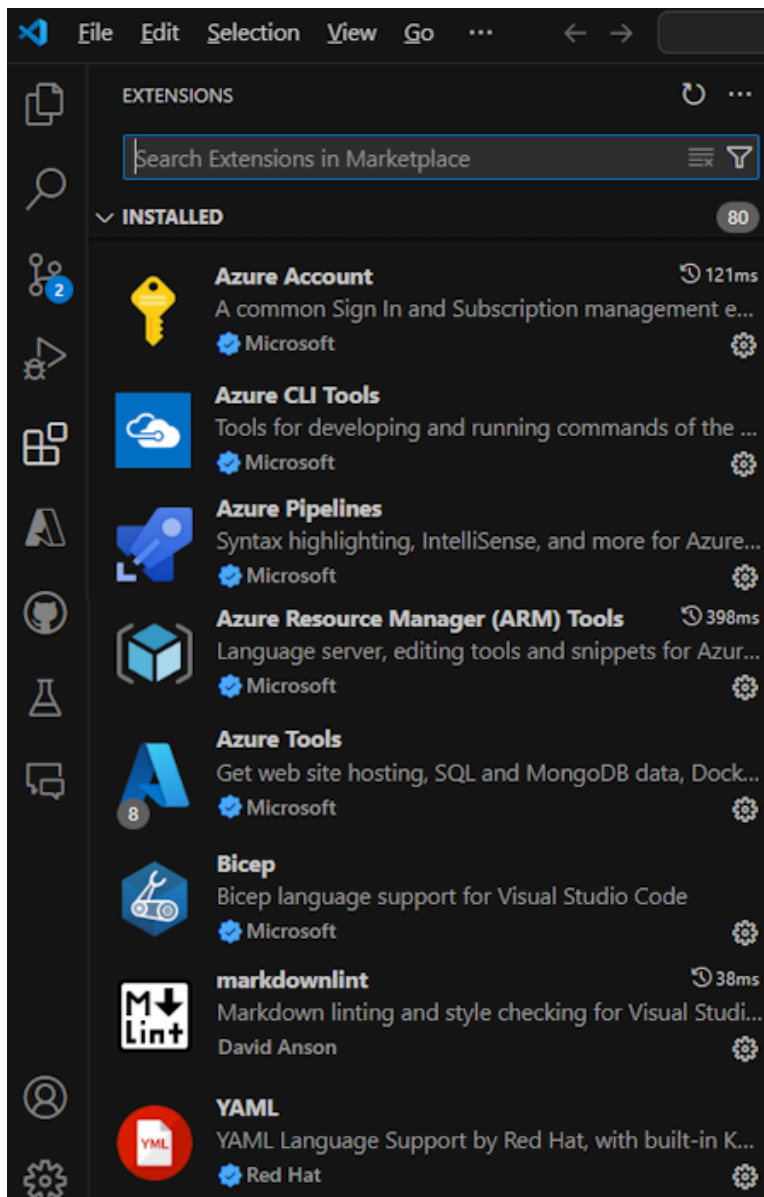To upgrade to the latest Bicep version, run this command in your terminal or command prompt:

```
az bicep upgrade
```

To verify your VS Code Bicep extension is working:

- Open the VS Code Command Pallette with Ctrl+Shift-P or F1 (on Windows)

- Type `Bicep:` and you should see a list of Bicep commands

Some other useful extensions you might want to install for Infrastructure as Code development:

Note: make sure to get the extensions from Microsoft with the verified domain (the blue star icon) as there will be lots of other extensions with similar names!