**Deploy a function app as RESTful API in Azure**

**Steps to deploy function app in Azure:**

1. Follow the steps in <https://docs.microsoft.com/en-us/azure/azure-functions/functions-create-first-azure-function>.
2. From the Azure portal menu or the Home page, select Create a resource.
3. In the New page, select Compute > Function App.
4. On the Basics page, use the function app settings as specified in the following table.

* Subscription: Microsoft Azure Sponsorship
* Resource group: lninternalconsole
* Function App name: ML\_azure\_api
* Publish: code
* Runtime stack: Python
* Version: 3.7
* Region: West India

1. Select Next: Hosting. On the Hosting page, enter the following settings.

* Storage account:
* Operating system: Windows
* Plan: Consumption (Serverless)/ ASP-lninternalconsole-8712 (PremiumV2)/ SoutheastAsiaLinuxDynamicPlan

1. Select Next: Monitoring. On the Monitoring page, enter the following settings.
2. On the Review + create page, review your settings, and then select Create to provision and deploy the function app.
3. Download & install chocolatey/choco on Windows 10 through powershell (“Run as Administrator“)

Set-ExecutionPolicy Bypass -Scope Process -Force;

iex ((New-Object System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))

1. Deployment of Azure functions from local computer through Azure CLI:

* choco install azure-cli
* choco install python --version 3.6
* choco install azure-functions-core-tools

1. Create virtual env in required folder where your API resides

py -3.6 -m venv .env

1. Activate virtual environment

.env\scripts\activate

1. Initiate the Project directory

func init directory-path

1. Change the directory to project folder

cd directory-path

1. Install Requirements using requirements.txt

pip install -r requirements.txt

1. Paste your function code here and Start the function pasted

func host start

1. Publish to Azure function app

func azure functionapp publish lninternalconsole