





### **DEPLOY A TEMPLATE**

(Every Homework)



Open Azure CloudShell



Clone Github Repository



Create Azure Template



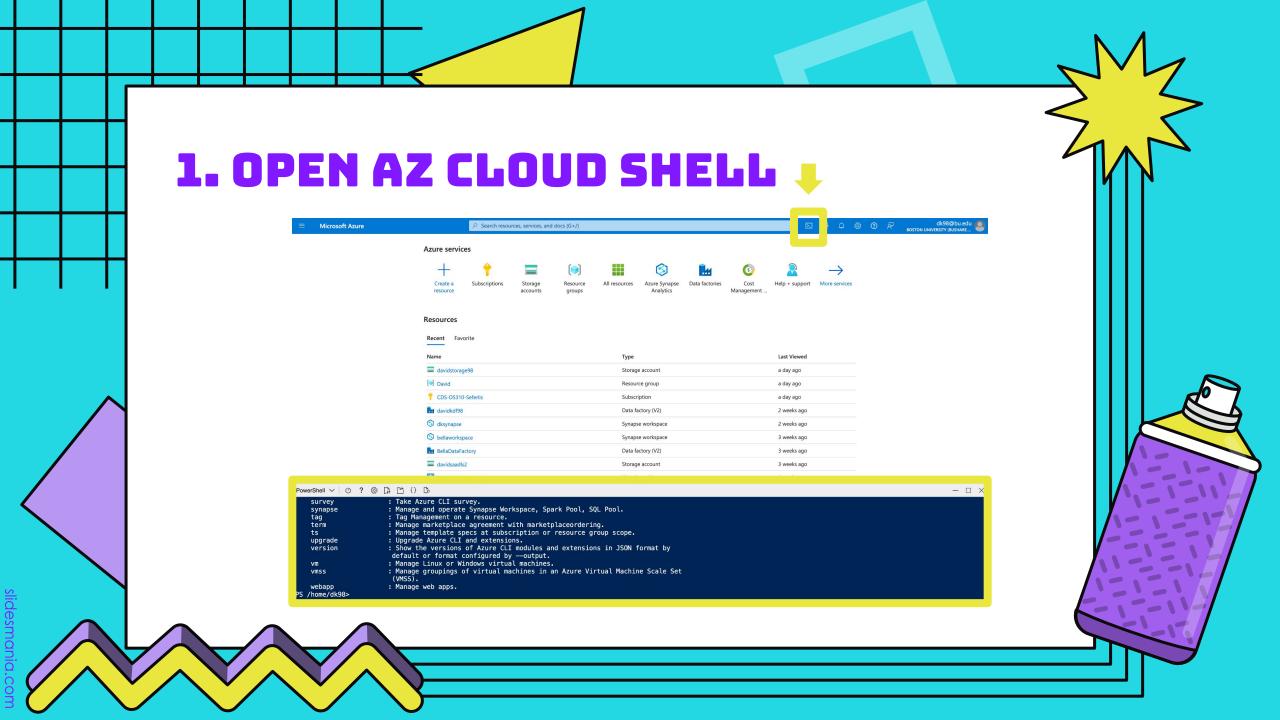
Deploy Azure Template



## WHY?



\$100 Free Credit is not a lot, and your custom resource settings may drain it even faster!



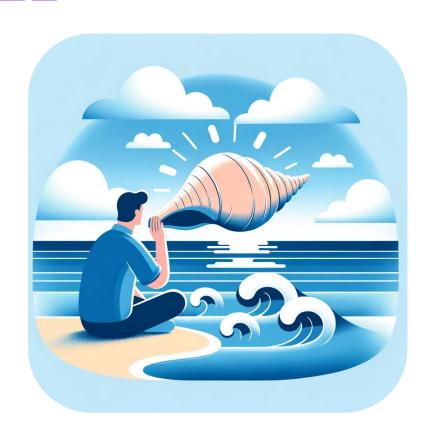
### **AZURE CLOUD SHELL**

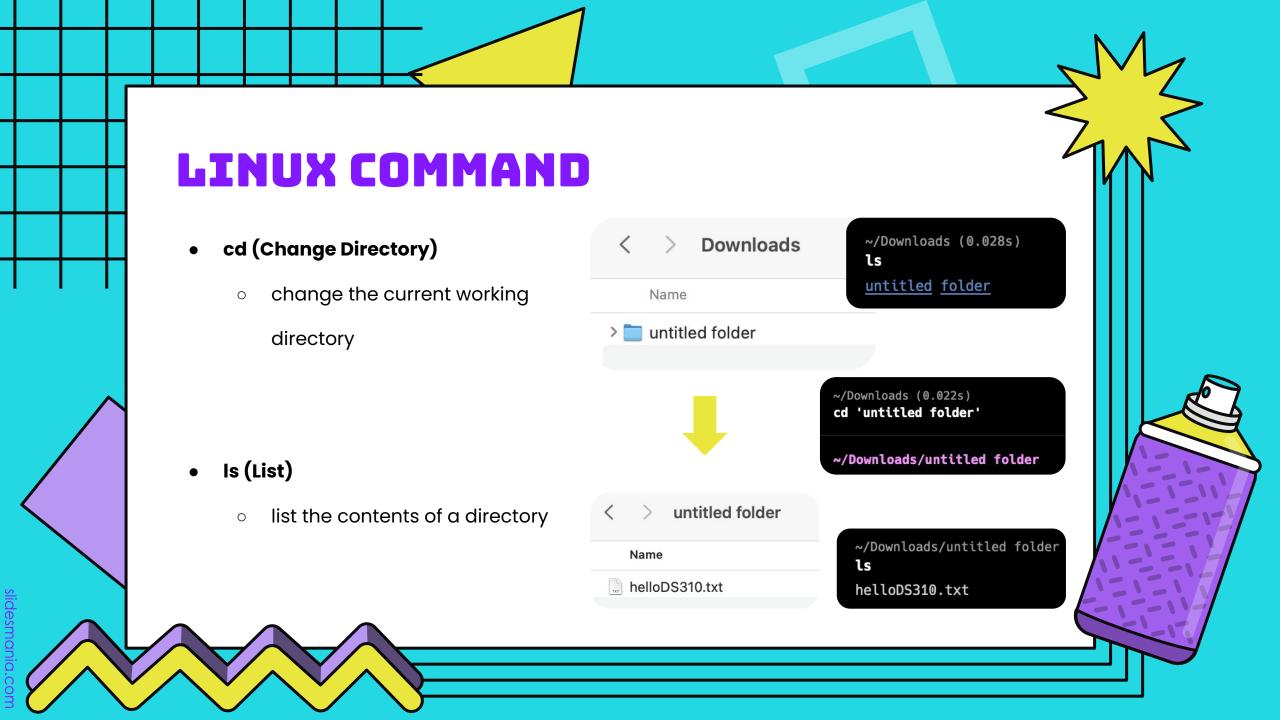
### Magic Shell

 Can ask the sea to do things like bring you a wave, calm down, or even change the tide.

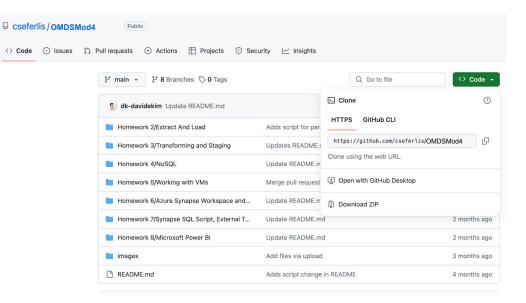
### Cloud Shell

Can ask the cloud to start services,
manage them, or even troubleshoot
issues, just by typing in commands.





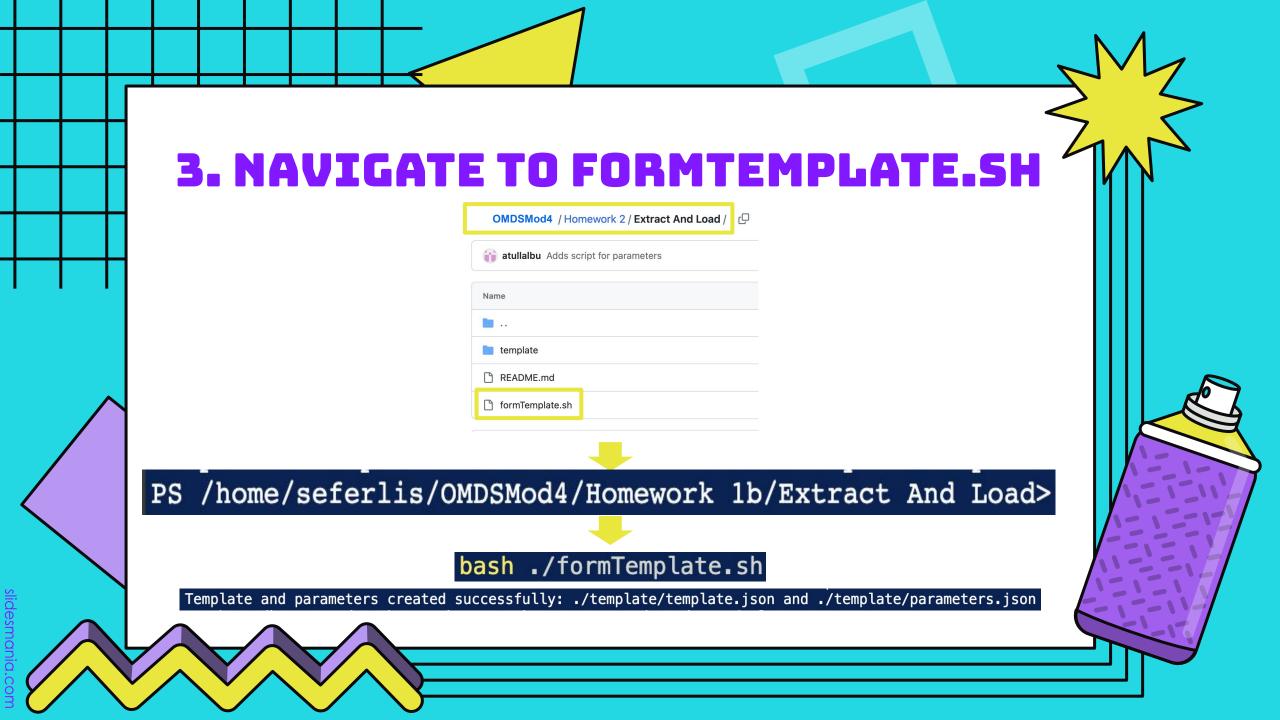




https://github.com/cseferlis/OMDSMod4.git



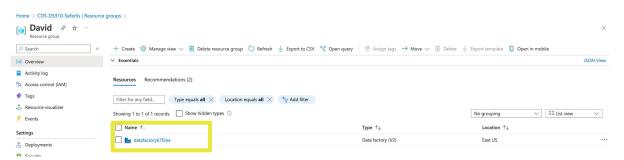
PS /home/dk98> git clone https://github.com/cseferlis/ OMDSMod4 .git





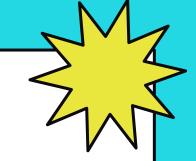
Template and parameters created successfully: ./template/template.json and ./template/parameters.json

- az deployment group create --resource-group ResourceGroupName --template-file TemplateLocation
  - --parameters ParametersLocation
    - o e.g. Resource Group: David
      - az deployment group create --resource-group David --template-file ./template/template.json
        - --parameters ./template/parameters.json









## HOMEWORK 1B

Extract & Load



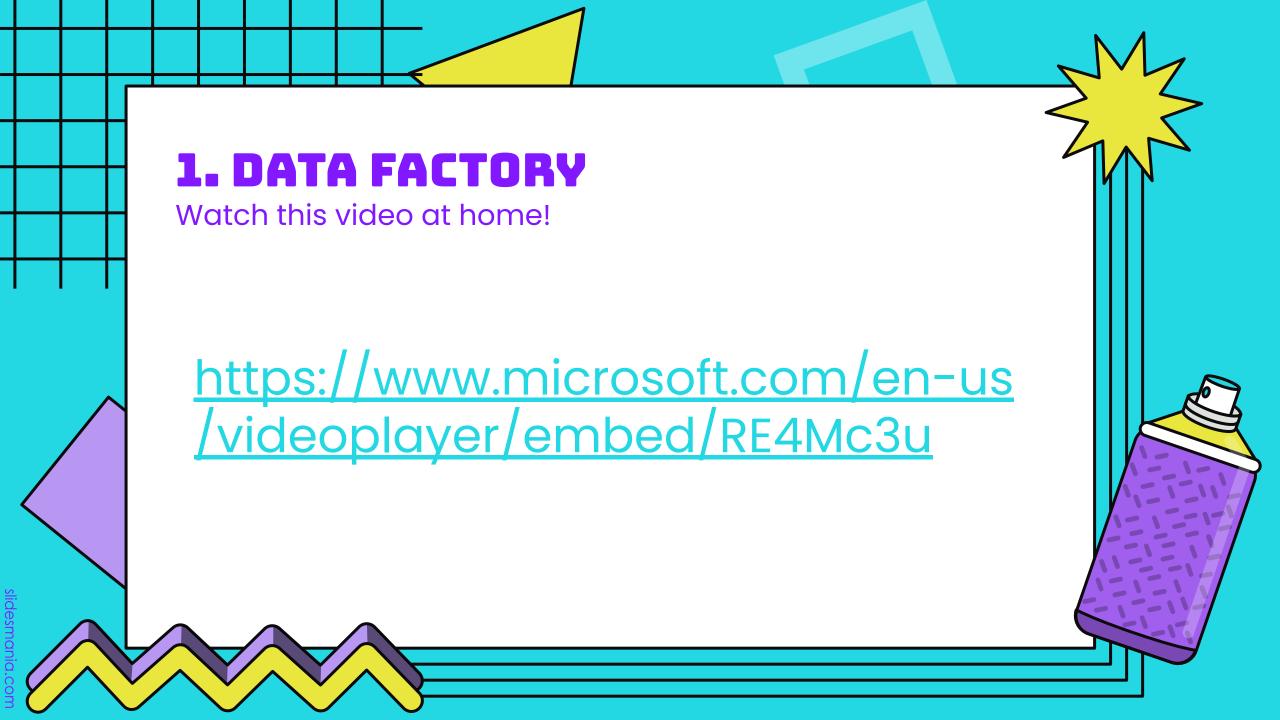




### 1. DATA FACTORY

- Large kitchen with recipes coming from all over the world
  - o You're one of the Chefs
    - Gathering Ingredients (Data Ingestion)
    - Preparing Ingredients (Data Transformation)
    - Cooking (Data Computation)
    - Serving the Dish (Data Publication)





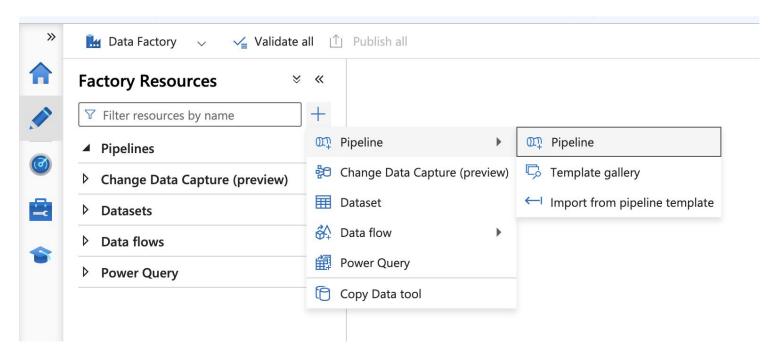


# ZWZ

### **HOMEWORK 1B**

Creating a Pipeline

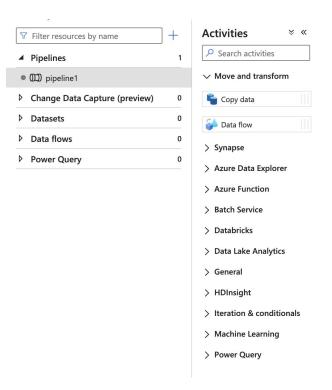






### **HOMEWORK 1B**

**Creating Activities** 





COPY DATA 1



COPY DATA 2



**Extract & Load** 

Unzip

# 2. EXTRACT & LOAD Set up Copy Data activity to Extract data from 'https://static.nhtsa.gov/odi/ffdd/cmpl/FLAT\_CMPL.zip' Hint: Zip file is a **binary** file! HTTP Extract it from **HTTP** Linked Service Load it to a container in your **Azure Blob Storage** Azure Blob Storage

# 3. UNZIP **Unzip the file** in the Azure Blob Storage Hint: Change the compression type Change the .zip extension to... Azure Blob Storage Check Azure Storage Account Container for Output Size of the txt file should be larger than that of the zip file

### \*RUNNING A PIPELINE

- Publish & Add Trigger >> Cheaper than 'Debug' Action
- Monitor pipeline runs through the **'monitor'** section
  - o Go to details (eyeglasses icon) for details on data read & written)



