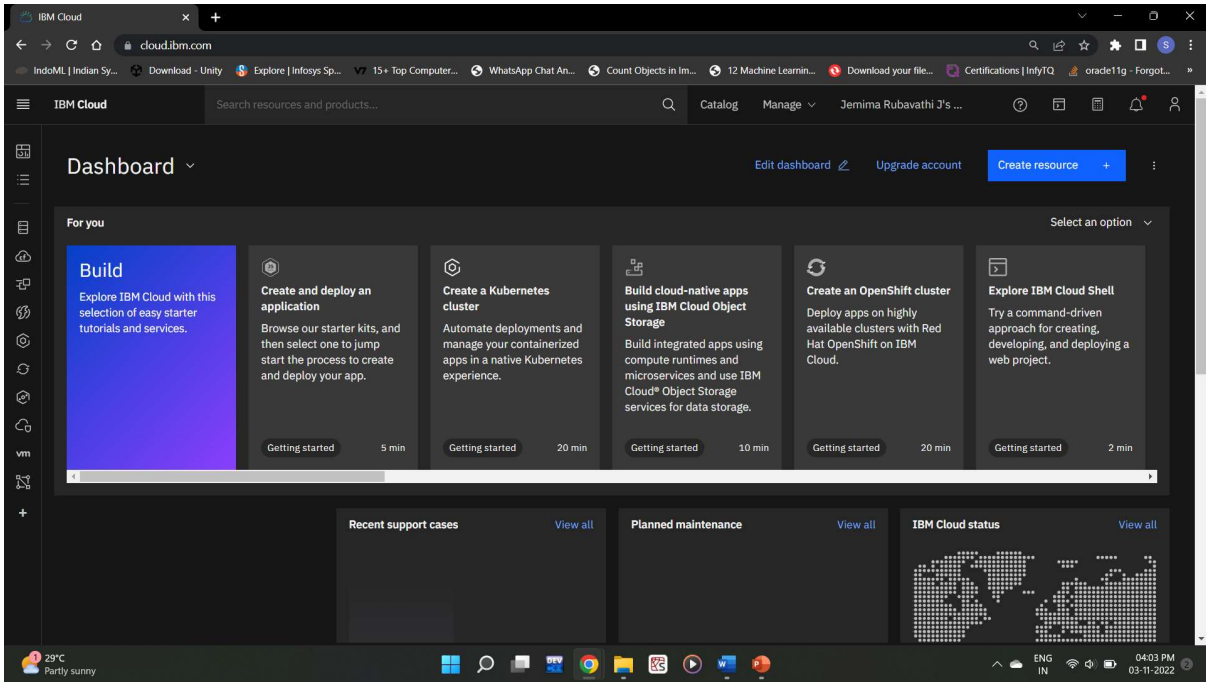


SETTING UP THE ENVIRONMENT

Team ID	PNT2022TMID17984
Project Name	Nutrition Assistant Application

ACCOUNT CREATION IN IBM CLOUD



CLOUD CLI INSTALLATION

```
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>ibmcloud help

NAME:
  ibmcloud - A command line tool to interact with IBM Cloud
  Find more information at: https://ibm.biz/cli-docs

USAGE:
  [environment variables] ibmcloud [global options] command [arguments...] [command options]

VERSION:
  2.12.1+b8488a1-2022-10-31T15:08:10+00:00

COMMANDS:
  account  Manage accounts, users, orgs and spaces
  api      Set or view target API endpoint
  billing  Retrieve usage and billing information
  catalog  Manage catalog
  cf       Run Cloud Foundry CLI with IBM Cloud CLI context
  config   Write default values to the config
  dev      Create, develop, deploy, and monitor applications
  enterprise Manage enterprise, account groups and accounts.
  iam      Manage identities and access to resources
  login    Log user in
  logout   Log user out
  plugin   Manage plug-ins and plug-in repositories
  regions  List all the regions
  resource Manage resource groups and resources
  resources List all resources
  sl       Manage Classic infrastructure services
  target   Set or view the targeted region, account, resource group, org or space
  update   Update CLI to the latest version
  version  Print the version
  help, h  Show help

Enter 'ibmcloud help [command]' for more information about a command.

ENVIRONMENT VARIABLES:
  IBM_CLOUD_COLOR=false          Do not colorize output
  IBM_CLOUD_VERSION_CHECK=false  Do not check latest version for update
  IBM_CLOUD_HTTP_TIMEOUT=5       A time limit for HTTP requests
  IBM_CLOUD_API_KEY=api_key_value API Key used for login
  IBM_CLOUD_CR_VPC_URL=url_value The custom server URL to use when obtaining an instance identity token and IAM token as a VPC VSI compute resource. This value will replace the default server endpoint of the VPC VSI instance identity token service.
  IBM_CLOUD_CR_TOKEN=cr_token_value Compute resource token used for login. Can either be a token string or a path to a @file.
  IBM_CLOUD_CR_PROFILE=profile_value The name, ID, or CRN of the linked trusted IAM profile to be used when obtaining the IAM access token. If authenticating as a VPC VSI compute resource, only specifying a trusted profile CRN or ID is supported.
  IBM_CLOUD_TRACE=true           Print API request diagnostics to stdout
```

ACCOUNT CREATION IN NUTRITIONAL API

The screenshot shows the RapidAPI website for the 'Recipe - Food - Nutrition' API. The page includes a search bar, a list of endpoints, and a detailed description of the API's capabilities. The API is verified and has a popularity score of 9.8/10, a latency of 1,457ms, and a service level of 98%.

Recipe - Food - Nutrition API Documentation

The spoonacular Nutrition, Recipe, and Food API allows you to access over 365,000 recipes and 86,000 food products. Our food ontology and semantic recipe search engine makes it possible to search for recipes using natural language queries, such as "gluten free brownies without sugar" or "low fat vegan cupcakes." You can automatically calculate the nutritional information for any recipe, analyze recipe costs, visualize ingredient lists, find recipes for what's in your fridge, find recipes based on special diets, nutritional requirements, or favorite ingredients, classify recipes into types and cuisines, convert ingredient amounts, or even compute an entire meal plan. With our powerful API, you can create many kinds of food and especially nutrition apps.

Special diets/dietary requirements currently available include: vegan, vegetarian, pescetarian, gluten free, grain free, dairy free, high protein, low sodium, low carb, Paleo, Primal, ketogenic, FODMAP, and Whole 30. We will soon be adding Weight Watcher points, too.

Endpoints

- GET Search Recipes
- GET Search Recipes (Deprecated)
- GET Search Recipes Complex (Deprecated)
- GET Search Recipes by Nutrients
- GET Search Recipes by Ingredients

Search Recipes

Search through thousands of recipes using advanced filtering and ranking. NOTE: Since this method combines searching by query, by ingredients, and by nutrients into one endpoint, each request counts as 3 requests.

Code Snippets

```
(Node.js) Axios
const axios = require("axios");

const options = {
  method: 'GET',
  url: 'https://spoonacular-recipe-food-nutrition-v1.p.rapidapi.com/recipes/complexSearch',
  params: {
    query: 'pasta',
    cuisine: 'italian',
    excludeCuisine: 'greek',
  },
}
```

Results

Activate Windows
Go to Settings to activate Windows.

CREATING FLASK PROJECT

The screenshot shows a Windows Command Prompt window where the Flask framework and its dependencies are being installed. The commands executed are:

```
C:\Users\ADMIN>python --version
Python 3.10.7

C:\Users\ADMIN>pip --version
pip 22.2.2 from C:\Program Files\WindowsApps\PythonSoftwareFoundation.Python.3.10_3.10.2032.0_x64_qbz5n2kfra8p0\lib\site-packages\pip (python 3.10)

C:\Users\ADMIN>pip install flask
Collecting flask
  Downloading flask-2.2.2-py3-none-any.whl (101 kB)
  101.5/101.5 KB 837.0 KB/s eta 0:00:00
Collecting Jinja2>=3.0
  Downloading Jinja2-3.1.2-py3-none-any.whl (133 kB)
  133.1/133.1 KB 7.6 MB/s eta 0:00:00
Collecting itsdangerous>=2.0
  Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting Werkzeug>=2.2.2
  Downloading Werkzeug-2.2.2-py3-none-any.whl (232 kB)
  232.7/232.7 KB 2.0 MB/s eta 0:00:00
Collecting click>=8.0
  Downloading click-8.1.3-py3-none-any.whl (96 kB)
  96.6/96.6 KB 2.8 MB/s eta 0:00:00
Collecting colorama
  Downloading colorama-0.4.5-py2.py3-none-any.whl (16 kB)
Collecting MarkupSafe>=2.0
  Downloading MarkupSafe-2.1.1-cp310-cp310-win_amd64.whl (17 kB)
Installing collected packages: MarkupSafe, itsdangerous, colorama, Werkzeug, Jinja2, click, flask
WARNING: The script flask.exe is installed in 'C:\Users\ADMIN\AppData\Local\Programs\Python\Python310\Scripts' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.1 Werkzeug-2.2.2 click-8.1.3 colorama-0.4.5 flask-2.2.2 itsdangerous-2.1.2
WARNING: You are using pip version 22.0.4; however, version 22.2.2 is available.
You should consider upgrading via the 'C:\Users\ADMIN\AppData\Local\Programs\Python\Python310\python.exe -m pip install --upgrade pip' command.

C:\Users\ADMIN>python --version
Python 3.10.7
Flask 2.2.2
Werkzeug 2.2.2
```

Activate Windows
Go to Settings to activate Windows.

DOCKER INSTALLATION

