TRAIN IMAGE CLASSIFICATION MODEL

TEAM ID :PNT2022TMID41505

```
{
 "cells": [
  {
   "cell_type": "markdown",
   "metadata": {},
   "source": [
    "### Downloading From IBM\n",
    "### Connecting to IBM Cloud Storage to Get Model from
Deployment"
   ]
  },
  {
   "cell_type": "code",
   "execution_count": 2,
   "metadata": {},
   "outputs": [
    {
     "name": "stdout",
     "output_type": "stream",
     "text": [
      "Collecting ibm_watson_machine_learningNote: you may need to
restart the kernel to use updated packages.\n",
      "  Using cached ibm_watson_machine_learning-1.0.232-py3-none-
any.whl (1.8 MB)\n",
      "Requirement already satisfied: tabulate in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from
ibm_watson_machine_learning) (0.8.9)\n",
      "\n",
      "Requirement already satisfied: certifi in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from
ibm_watson_machine_learning) (2021.10.8)\n",
      "Requirement already satisfied: urllib3 in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from
ibm_watson_machine_learning) (1.26.9)\n",
      "Requirement already satisfied: pandas<1.4.0,>=0.24.2 in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from
ibm_watson_machine_learning) (1.3.5)\n",
      "Collecting ibm-cos-sdk==2.11.*\n",
      "  Using cached ibm_cos_sdk-2.11.0-py3-none-any.whl\n",
      "Requirement already satisfied: requests in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from
ibm_watson_machine_learning) (2.27.1)\n",
```

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```
"Requirement already satisfied: packaging in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from
ibm_watson_machine_learning) (21.3)\n",
    "Collecting lomond\n",
    "  Using cached lomond-0.3.3-py2.py3-none-any.whl (35 kB)\n",
    "Requirement already satisfied: importlib-metadata in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from
ibm_watson_machine_learning) (4.11.3)\n",
    "Requirement already satisfied: ibm-cos-sdk-s3transfer==2.11.0
in c:\\users\\hp\\anaconda3\\lib\\site-packages (from ibm-cos-
sdk==2.11.*->ibm_watson_machine_learning) (2.11.0)\n",
    "Requirement already satisfied: ibm-cos-sdk-core==2.11.0 in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from ibm-cos-
sdk==2.11.*->ibm_watson_machine_learning) (2.11.0)\n",
    "Requirement already satisfied: jmespath<1.0.0,>=0.7.1 in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from ibm-cos-
sdk==2.11.*->ibm_watson_machine_learning) (0.10.0)\n",
    "Requirement already satisfied: python-dateutil<3.0.0,>=2.1 in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from ibm-cos-sdk-
core==2.11.0->ibm-cos-sdk==2.11.*->ibm_watson_machine_learning)
(2.8.2)\n",
    "Requirement already satisfied: pytz>=2017.3 in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from
pandas<1.4.0,>=0.24.2->ibm_watson_machine_learning) (2021.3)\n",
    "Requirement already satisfied: numpy>=1.17.3 in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from
pandas<1.4.0,>=0.24.2->ibm_watson_machine_learning) (1.21.5)\n",
    "Requirement already satisfied: six>=1.5 in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from python-
dateutil<3.0.0,>=2.1->ibm-cos-sdk-core==2.11.0->ibm-cos-sdk==2.11.*-
>ibm_watson_machine_learning) (1.16.0)\n",
    "Requirement already satisfied: idna<4,>=2.5 in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from requests-
>ibm_watson_machine_learning) (3.3)\n",
    "Requirement already satisfied: charset-normalizer~=2.0.0 in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from requests-
>ibm_watson_machine_learning) (2.0.4)\n",
    "Requirement already satisfied: zipp>=0.5 in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from importlib-
metadata->ibm_watson_machine_learning) (3.7.0)\n",
```

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```
      "Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in
c:\\users\\hp\\anaconda3\\lib\\site-packages (from packaging-
>ibm_watson_machine_learning) (3.0.4)\n",
      "Installing collected packages: lomond, ibm-cos-sdk, ibm-
watson-machine-learning\n",
      "Successfully installed ibm-cos-sdk-2.11.0 ibm-watson-machine-
learning-1.0.232 lomond-0.3.3\n"
    ]
   }
  ],
  "source": [
   "pip install ibm_watson_machine_learning"
  ]
 },
 {
  "cell_type": "code",
  "execution_count": null,
  "metadata": {},
  "outputs": [],
  "source": [
   "from ibm_watson_machine_learning import APIClient\n",
   "wml_credentials = {\n",
   "\t\"url\": \"https://us-south.ml.cloud.ibm.com\",\n",
   "\t\"apikey\": \"4y7eNmzaeDsCxieOE5b-
PACwiQldF2Ock7lM6VAd28Fb\"\n",
   "}\n",
   "\n",
   "client = APIClient(wml_credentials)"
  ]
 },
 {
  "cell_type": "code",
  "execution_count": null,
  "metadata": {},
  "outputs": [],
  "source": [
   "def guid_from_space_name(client, space_name):\n",
   "    space = client.spaces.get_details()\n",
   "    return (next(item for item in space['resources'] if
item['entity'][\"name\"] == space_name)['metadata']['id'])"
  ]
 },
```

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```
  {
   "cell_type": "code",
   "execution_count": null,
   "metadata": {},
   "outputs": [],
   "source": [
    "space_uid = guid_from_space_name(client, 'model')\n",
    "print(\"Space UID : \", space_uid)"
   ]
  },
  {
   "cell_type": "code",
   "execution_count": null,
   "metadata": {},
   "outputs": [],
   "source": [
    "client.set.default_space(space_uid)"
   ]
  },
  {
   "cell_type": "code",
   "execution_count": null,
   "metadata": {},
   "outputs": [],
   "source": [
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   ]
  },
  {
   "cell_type": "code",
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  }
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 "metadata": {
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   "hash": "4f0f97fd6c5ecc85c2cf8f5e01f5fe1d66323d0c47c6f4b81bd3f87b7ad3ebb6"
  },
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 "kernelspec": {
  "display_name": "Python 3 (ipykernel)",
  "language": "python",
  "name": "python3"
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   "version": 3
  },
  "file_extension": ".py",
  "mimetype": "text/x-python",
  "name": "python",
  "nbconvert_exporter": "python",
  "pygments_lexer": "ipython3",
  "version": "3.9.7"
 }
},
"nbformat": 4,
"nbformat_minor": 2
}
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