

## Post Deployment Checklist (Test through Postman) for API End Points

### Create-folder:

[POST] [.<url>/create\\_folder](#)

#### Request:

```
{  
  "proj_name" : "demo20jan",  
  "usecaseid" : 1,  
  "input_type" : "raw"  
}
```

**Response: 'Success'**

### Satellite-process:

[POST] [.<url>/satellite\\_process](#)

#### Request:

```
{  
  "usecaseid": 1,  
  "dataset": "LANDSAT_8_C1",  
  "scenenum": ["01", "02", "03"],  
  "scenename": ["central park"],  
  "latitude": [28.7041, 19.192414],  
  "longitude": [77.1025, 72.9166],  
  "start_date": ["2019-01-01", "2019-01-01"],  
  "end_date": ["2019-06-01", "2019-06-01"],  
  "max_cloud_cover": 10  
}
```

**Response: 'Success'**

### Gdal:

[POST] [.<url>/gdalinfo\\_parser](#)

#### Request:

```
{
```

```
"usecaseid" : 1
}
```

**Response: Gdalinfo**

### **Annotations 1:**

[POST] [<url>/annotations1](#)

**Request:**

```
{
  "usecaseid" : 1
}
```

**Response: 'Success'**

### **Annotations 2:**

[POST] [<url>/annotations2](#)

**Request:**

```
{
  "usecaseid" : 1,
  "classes_list" : ["water", "vegetation", "ground", "road", "buildings"]
}
```

**Response: 'Success'**

### **Thumbnails:**

[POST] [<url>/thumbnail\\_satellite](#)

**Request:**

```
{
  "usecaseid" : 1,
}
```

**Response: 'Success'**

### **Train Unet:**

[POST] [<url>/train\\_unet](#)

**Request:**

```
{  
  "N_EPOCHS":1,  
  "PATCH_SZ": 128,  
  "BATCH_SIZE":50,  
  "TRAIN_SZ": 2000,  
  "VAL_SZ": 25,  
  "usecaseid":577,  
  "classes_raw_bands" : ["B1","B3","B5","B7","bi","msavi","ndvi","ndwi","savi"],  
  "test_size":0.2,  
  "N_CLASSES":5  
}
```

**Response: 'Success'**

**Prediction:**

[POST] [<url>/predict\\_mask](#)

**Request:**

```
{  
  'N_CLASSES': 5,  
  'weights_path': 'unet_weights_59720200222_131357.hdf5',  
  'dict_classes': {'class': ["water", "vegetation","ground", "road", "buildings"]},  
  'dict_model': {'modelnames': [{'batch_Size': 50, 'Patch_size': 128, 'epochs': 1}]},  
  'usecaseid': 1,  
  'N_BANDS': 7  
}
```

**Response: 'Success'**

**Generate IOU:**

[POST] [<url>/generate\\_iou](#)

**Request:**

```
{  
  "usecaseid" : 1,
```

```
"weights_path" : "unet_weights_120200203_165606.hdf5",  
"N_CLASSES" : 5,  
"classes_list" : ["water", "vegetation", "ground", "road", "buildings"]  
}
```

**Response: 'Success'**

### Display result:

[POST] [<url>/display\\_result](#)

#### Request:

```
{  
  "threshold" : 0.5,  
  "weights_path" : "unet_weights_52220200115_203723.hdf5",  
  "usecaseid" : 1,  
}
```

**Response: 'Success'**

### Demo:

[POST] [<url>/demo\\_satellite](#)

#### Request:

```
{  
  "N_CLASSES":5,  
  "img_path":"/home/ubuntu/cv_workspace/data/Satellite_WB/406/data_dir/demo_images/04.tif",  
  "weights_path":"unet_weights_40620200226_162614.hdf5",  
  "dict_classes":{"class":["water", "vegetation", "ground", "road", "buildings"]},  
  "dict_model":{"modelnames":[{"batch_Size":50, "Patch_size":128, "epochs":1}]},  
  "usecaseid":1,  
  "N_BANDS":7  
}
```

**Response: 'Success'**