

▼ ***Saved Model Deployment***

```
import numpy as np
import keras
from keras.preprocessing import image
from keras.applications.vgg16 import VGG16
from keras.applications.vgg16 import preprocess_input
from keras.models import load_model

model = load_model('/content/drive/MyDrive/vgg16-xfer-weights.h5')

img_path = '/content/drive/MyDrive/cat.jpg'
label = ['Cat', 'Dog']
img = image.load_img(img_path, target_size=(150, 150))
x = image.img_to_array(img)
x = np.expand_dims(x, axis=0)
x = preprocess_input(x)

features = model.predict(x)
thresholded = (features>0.5)*1
ind = np.argmax(thresholded)
print('Predicted Array:',thresholded)
print('Predicted Label:',label[ind])

    Predicted Array: [[1 0]]
    Predicted Label: Cat
```