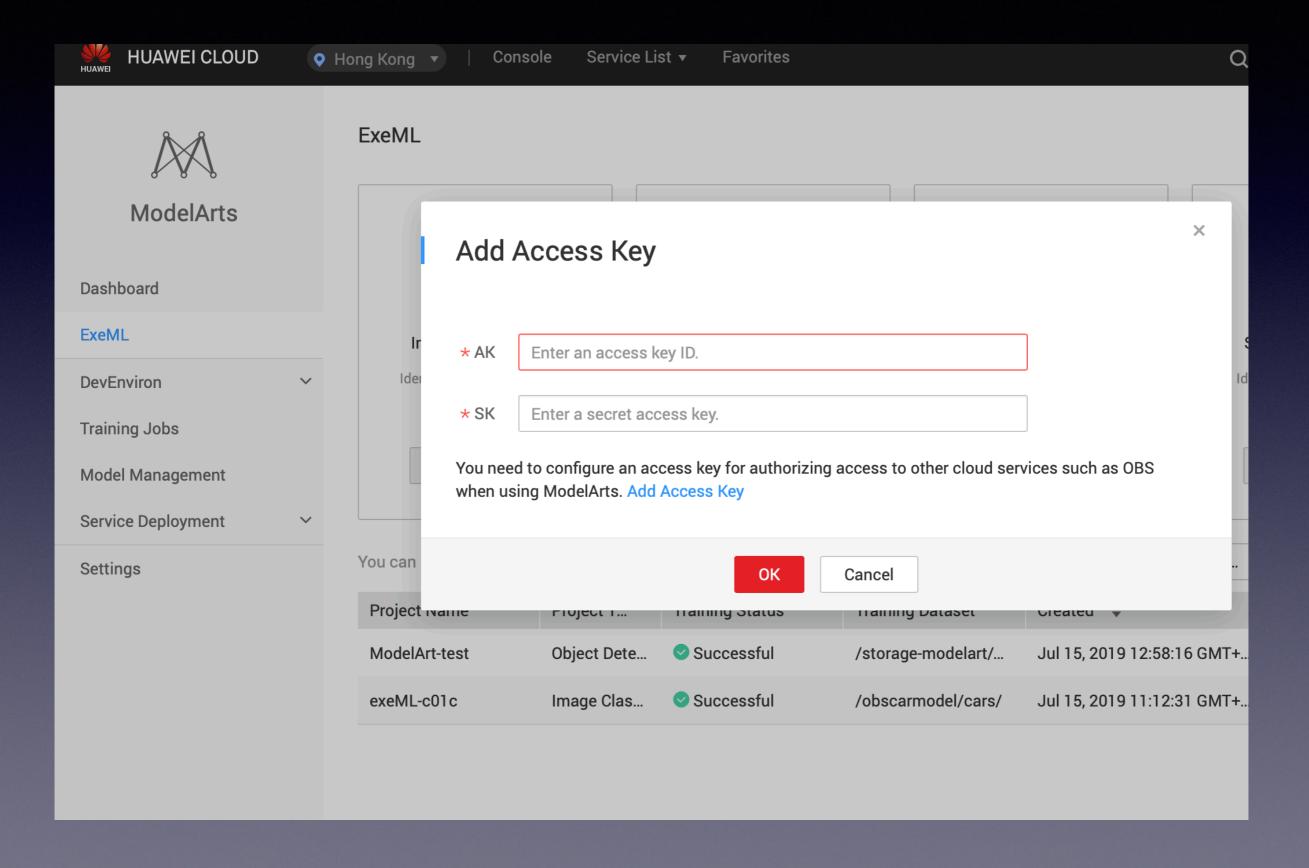
ModelArts

Presented by Thu Ta Naing

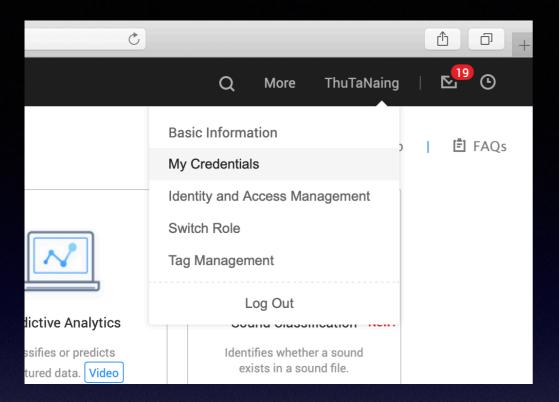
ModelArts (ExeML) provides the following four AI services:

- (1) Image Classification detects and classifies images
- (2) **Object Detection -** detects whether a certain class of object is included in an input image
- (3) Predictive Analytics on structured data, which can make classification or prediction.
- (4) **Sound Classification -** identifies whether a certain sound appears in a sound file. It can be used to monitor abnormal sounds in production or security scenarios.

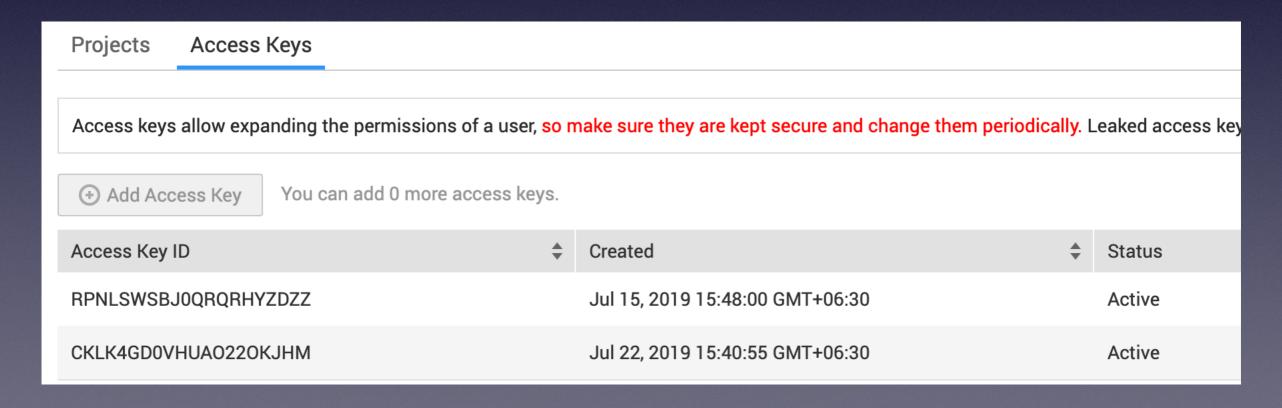
Note: Before Using ExeML Services, we must add AK (Access Key) and Secret Key (SK)



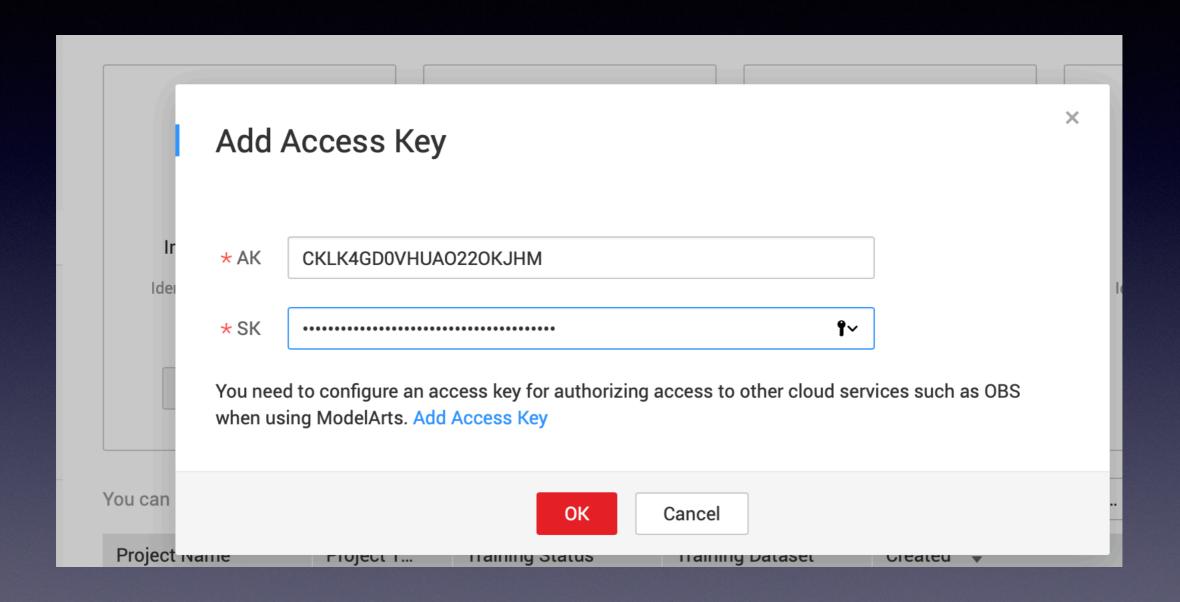
Go to Ur Account Name-> My Credentials.



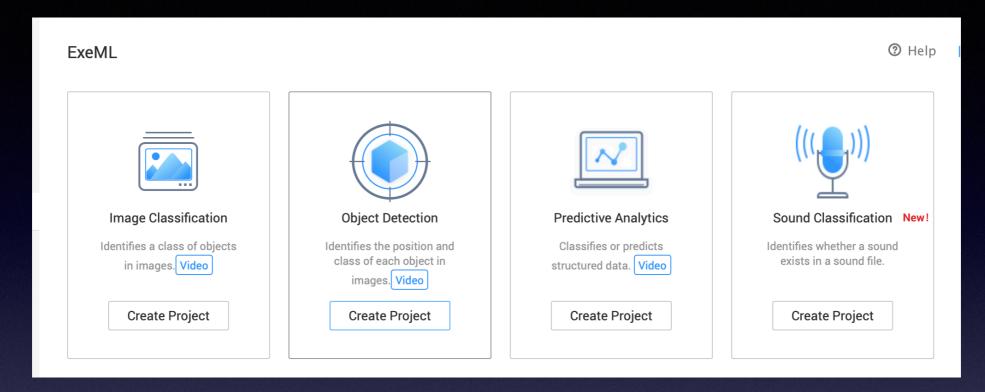
Then in Access Keys, Click "Add Access Key". Credentials.csv will be downloaded into ur computer.

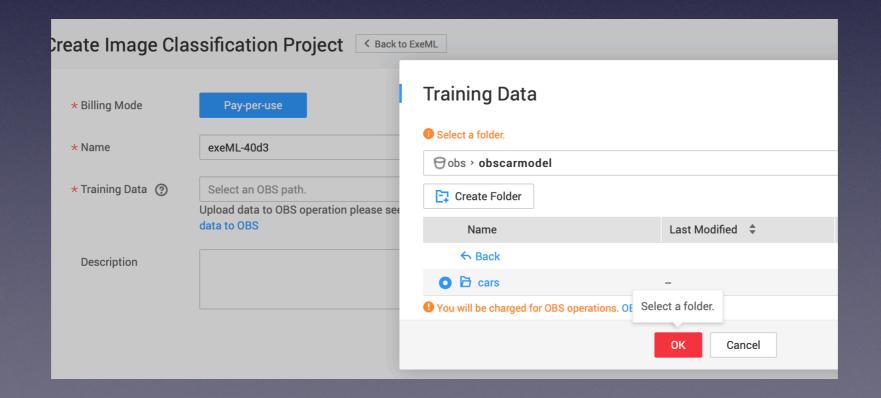


Then, add AK value and SK value.

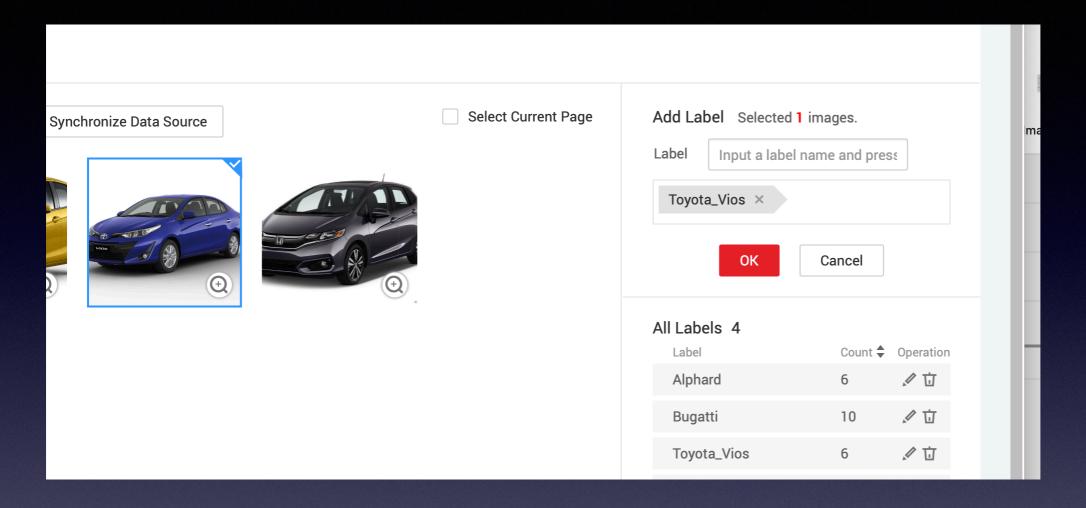


ExeML has four services as shown below.



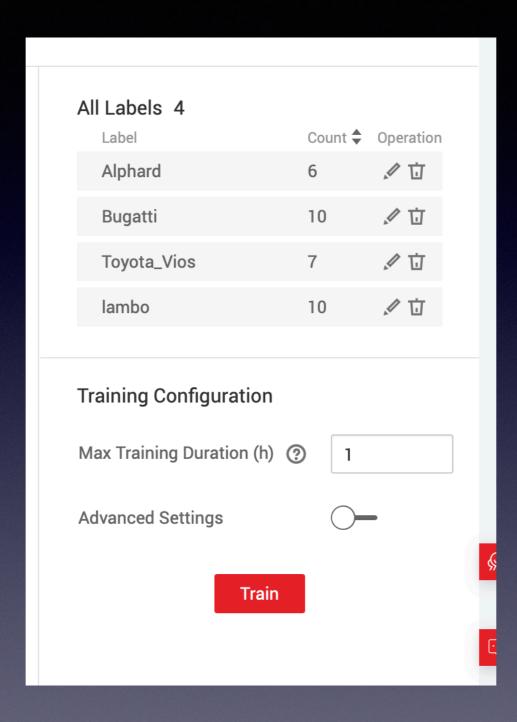


Upload the Images you want to train and make labels. In this case, Cars Image Classification Project is used, so Different types of car images will need to be uploaded.

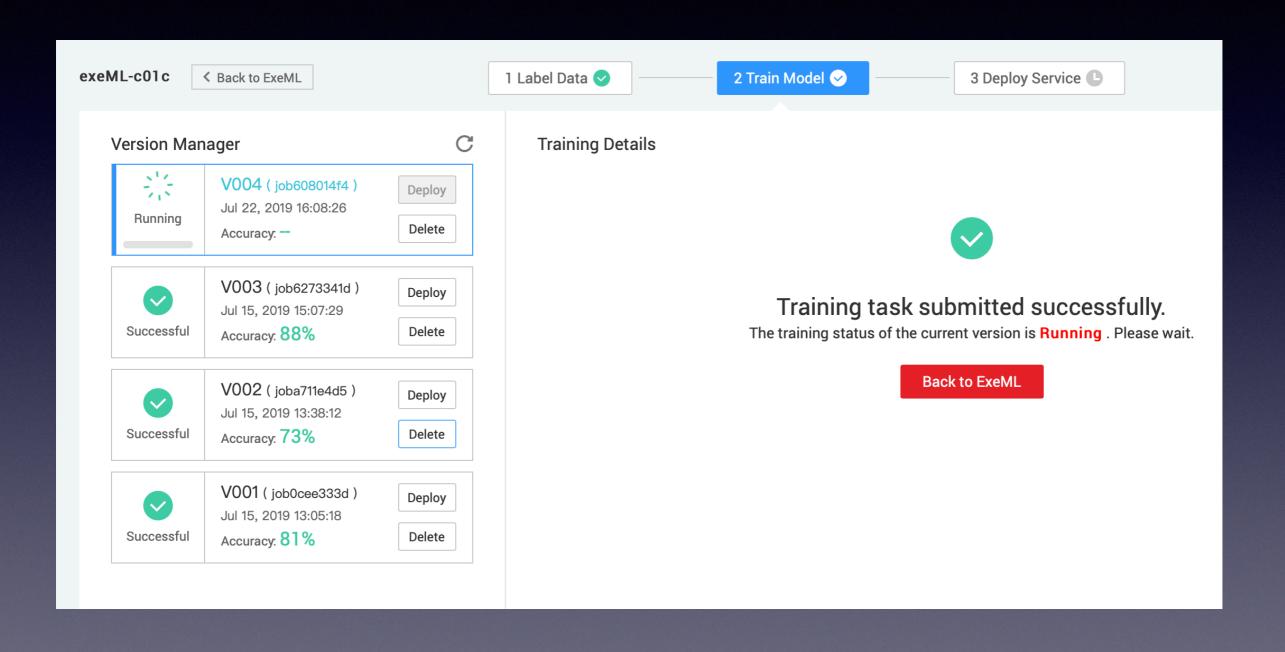


For Commercial Purposes, each class (e.g. Car Type) must contain at least 100 Images to achieve enough accuracy.

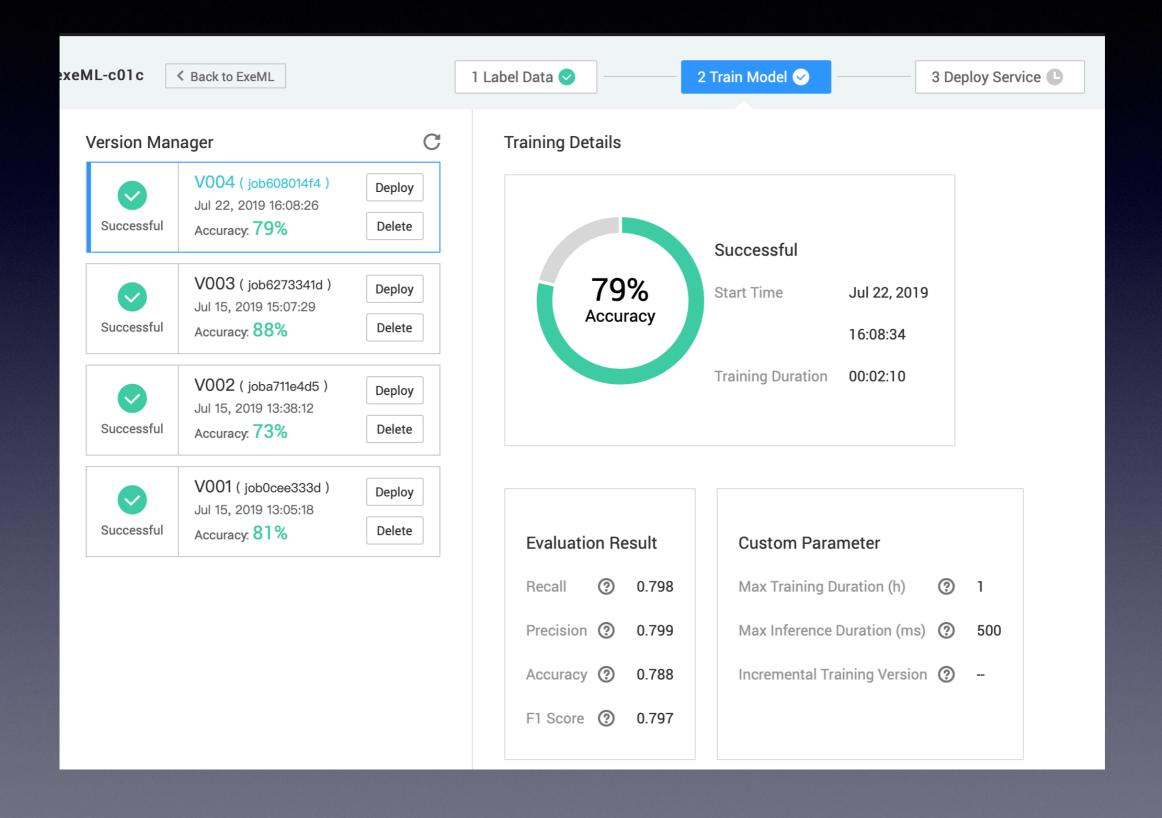
Then, click Train for this model.



The Trained Model is Running Now. Currently, This is in Version 4.

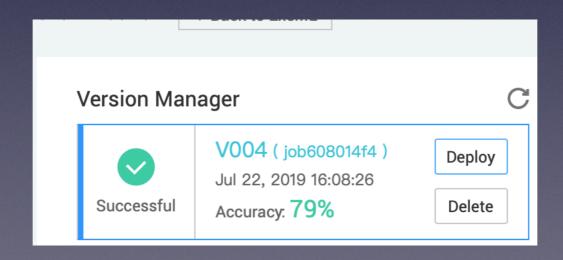


V004 has been performed successfully.

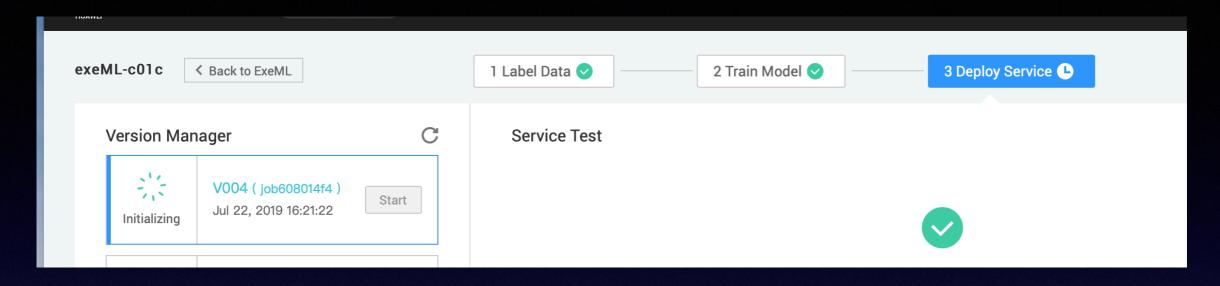


V004 has been performed successfully. Accuracy is 79%. To improve more accuracy, remove the low resolution photos, add more photos for each class & retrain again.

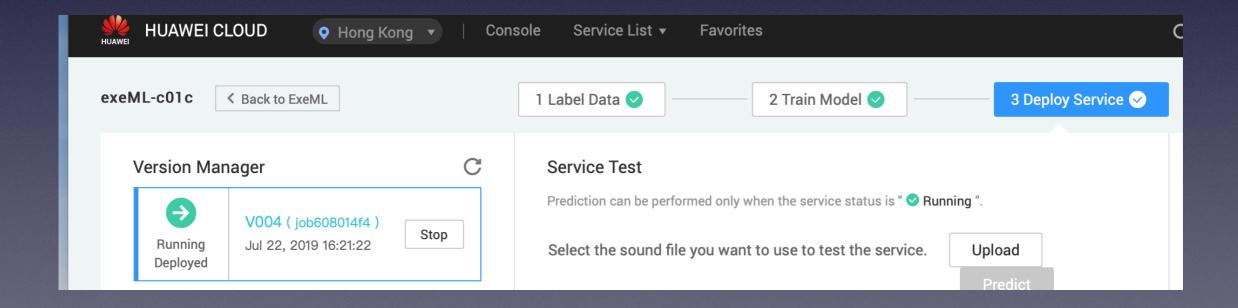
Classification Statistics				Enter a keyword.	Q
Label \$	F1 Score 💠		Precision \$	Recall \$	
Alphard		83%	0.833	0.833	
Bugatti		76%	0.727	0.800	
lambo		74%	0.778	0.700	
Toyota_Vios		86%	0.857	0.857	



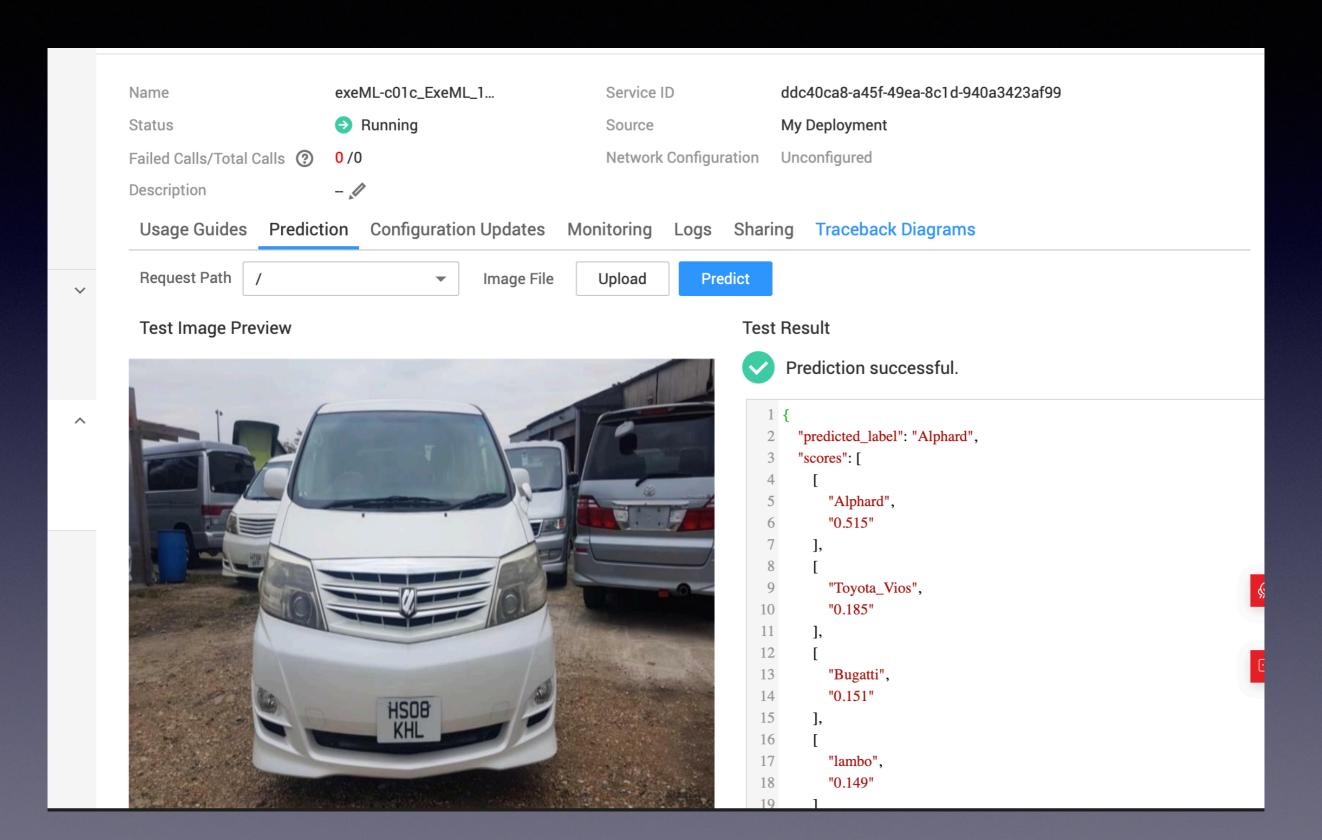
To Deploy the Service, click "Deploy".



After the Deploy is finished, you will see "Running Deployed" status.



Go to Service Deployment-> Real Time Services.



Thank You

Contact-09976674229 For further support
Thu Ta Naing
Solution Architect (Huawei Technologies Ltd)