# Using a Custom Vision Service Model Offline



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### Overview



# The Prediction API supports image classification via HTTP requests

 You can export your model to work with it offline

Model preparation and export process

Offline Custom Vision Service model demos

- UWP application
- Xamarin/Android mobile app
- Python script



### Compact Domains

#### Domains (i)

- General
- O Food
- Compared Landmarks
- O Retail
- O Adult
- O General (compact)
- Compact (Compact)
- Retail (compact)

#### **Standard Domains**

More subject matter options

Higher accuracy

Online only, via HTTP calls to the API

#### **Compact Domains**

Lower accuracy
Online and offline use



### Demo



#### Preparing the model for offline use

- Switching to a compact domain
- Re-training

Exporting the model in various formats



#### Demo



# Using a Custom Vision Service model in offline contexts

- UWP application
- Xamarin/Android mobile app
- Python script

# Reviewing the code for each demonstration

- Source code available



## Summary



Utilized your Custom Vision Service model in an offline context

Reviewed demos and code for three application platforms

