

# Adding a Raster Data Set to ArcMap

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## Locate Your Workspace

- Begin with a RasterWorkspaceFactory
- Declare the variable to IWorkspaceFactory so you can use the OpenFromFile method

```
Dim pRWFactory As IWorkspaceFactory  
Set pRWFactory = New RasterWorkspace Factory
```

```
Dim pRasterWorkspace As IRasterWorkspace  
Set pRasterWorkspace = pRWFactory.OpenFromFile(E:\, 0)
```

## Get the Data Set

- Use the IRasterWorkspace which has the OpenRasterDataset method

```
Dim pRDataset As IRasterDataset  
Set pRDataset = pRWorkspace.OpenRasterDataset _  
("manhattan1890.sid")
```

- Create a new raster layer

```
Dim pRLayer As IRasterLayer  
Set pRLayer = New Raster Layer
```

## Associate the Data Set With the New Layer

- Run the CreateFromDataset method on the IRasterLayer interface

```
pRLayer.CreateFromDataset pRDataset
```

- Name the New Layer

```
pRLayer.Name = "Manhattan 1890"
```

## Add the Raster Layer to the Map!

- Do this like any other layer

```
Dim pMxDoc As IMxDocument  
Set pMxDoc = This Document
```

```
pMxDoc.AddLayer pRLayer
```

# Source

- Class Text:  
Getting to Know ArcObjects
  - Ch 14