
Subject: Re: ESRI shape file

Posted by [Klemen](#) on Sat, 28 Aug 2010 11:31:17 GMT

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There is an example of creating a point shape file in Help as Max said (see below). Creating a polygon is slightly more difficult; if you need such an example let me know.

Cheers, Klemen

PRO ex_shapefile_newfile

```
;Create the new shapefile and define the entity type to Point
mynewshape=OBJ_NEW('IDLffShape', FILEPATH('cities.shp', $
  SUBDIR=['examples', 'data']), /UPDATE, ENTITY_TYPE=1)
```

```
;Set the attribute definitions for the new Shapefile
mynewshape->AddAttribute, 'CITY_NAME', 7, 25, $
  PRECISION=0
mynewshape->AddAttribute, 'STAT_NAME', 7, 25, $
  PRECISION=0
```

```
;Create structure for new entity
entNew = {IDL_SHAPE_ENTITY}
```

```
; Define the values for the new entity
entNew.SHAPE_TYPE = 1
entNew.BOUNDS[0] = -104.87270
entNew.BOUNDS[1] = 39.768040
entNew.BOUNDS[2] = 0.00000000
entNew.BOUNDS[3] = 0.00000000
entNew.BOUNDS[4] = -104.87270
entNew.BOUNDS[5] = 39.768040
entNew.BOUNDS[6] = 0.00000000
entNew.BOUNDS[7] = 0.00000000
entNew.N_VERTICES = 1 ; take out of example, need as workaround
```

```
;Create structure for new attributes
attrNew = mynewshape ->GetAttributes(/ATTRIBUTE_STRUCTURE)
```

```
;Define the values for the new attributes
attrNew.ATTRIBUTE_0 = 'Denver'
attrNew.ATTRIBUTE_1 = 'Colorado'
```

```
;Add the new entity to new shapefile
mynewshape -> PutEntity, entNew
```

```
;Note that because this is a new shapefile, the index of
```

;the new entity is zero.

entity_index=0

;Add the Colorado attributes to new shapefile.

mynewshape -> SetAttributes, entity_index, attrNew

;Close the shapefile

OBJ_DESTROY, mynewshape

END
