10 Writeln 'Hi Satellite'; 20 Goto 10; 30 Return to Sender();



Geo API mapbox 10

EKON 20

maxbox



Agenda EKON

- Get API Key (access token) of mapbox
- What's important in REST Calls?
- The Mapbox Static API
- Http Get & TCP Sockets
- 4-5 Use Cases







Get a Key first

All you need to start using Mapbox is an access token:

it's a short code that lets you use your Mapbox account's capabilities or state.

 You can use the same access token with all interactive mapping libraries, Python, Pascal and JavaScript SDKs, and even directly against the REST APIs.

https://www.mapbox.com/developers/







Important for REST Calls

Check HTTPS with Http Get()

- String Stream or Memory Stream?
- UTF8ToString();
- Check Null or empty Values
- GeoJSON as String
- Try except / finally pattern

demo: 711_geo_satellite_mapbox_ekon20.txt

EKON 20





Menus & Mouse are gone

Iterator Disable Structure

```
with MaxForm1.MainMenu1 do
for it:= 0 to items.count-1 do begin
   TMenuItem(items).items[it].enabled:= false;
   writeln(TMenuItem(items).items[it].name);
End;
```

http://www.gtro.com/delphi/parser_e.php

Demo: 547_Win10_Develop_4_BASTA_EKON19.TXT







Intro: Static API

- Static API (classic)
- Get stand-alone images from classic styles to embed on a form with the option to add vector data as overlays.
- → Demo: Static, Geocoding, Distance, Satellite
- 711_geo_satellite_mapbox_ekon20.txt
- 692_GEO_fservermain33_EKON20.pas
- 692_GEOimageserv_fClient33_EKON20.pas







HTTP versus TCP

TIdHTTPServer does not trigger an OnCommand... event until it has read a complete HTTP request header from the client.

A TIdTCPServer is not reading any requests at all!

A web browser would communicate with a TIdTCPServer using the HTTP protocol, which only contains lines of text in its request headers.

Thread: Indy https post returns HTTP/1.0 500 Error - help

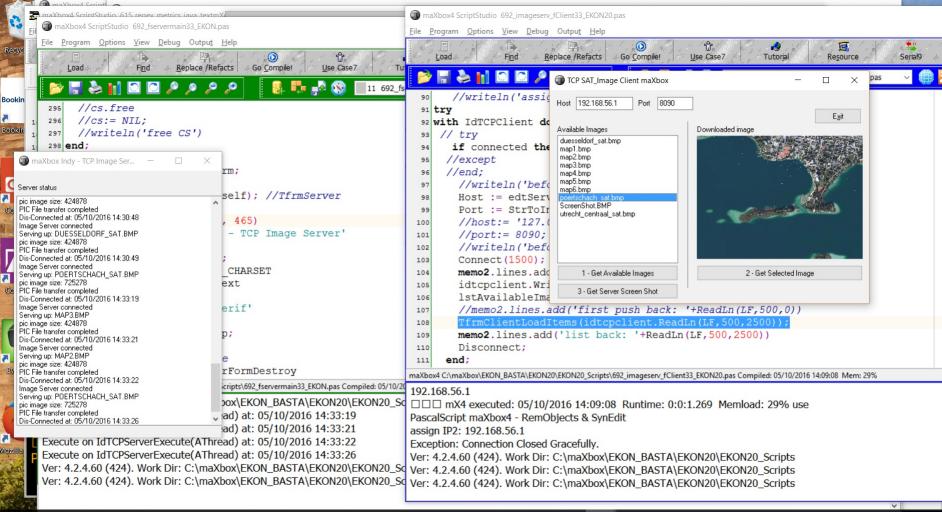
https://forums.embarcadero.com/thread.jspa?threadID=112596





Use Case to Develop







Combine with Weather

- Check Services as Backup (ex. Geolocation)
- Call Contracts in an account (Access tokens)
- Call Services First CSF (map comp or service)

Demo: 640_rest_weather_report2.txt





Finally you can test with



- Duplicated code in app & browser
- UWP Coding standards & guidelines
- Unit tests for Code Coverage
- Wine Reference or RealVNC on Android
- UISpy to find Components & Controls
- Comments & Compiler Directives

demo: 393_QRCode3.TXT

EKON 20



mapbox Developer Links

ModelMaker - maXbox - mapbox:

http://www.modelmakertools.com/

https://github.com/maxkleiner/maXbox3/releases

https://www.mapbox.com/studio/

Mapbox Artikel in Entwickler

http://www.softwareschule.ch/download/mapbox.pdf

Open Weather Map Tutor:

http://www.softwareschule.ch/download/maxbox_starter40.pdf

Guideline → https://www.mapbox.com/api-documentation/

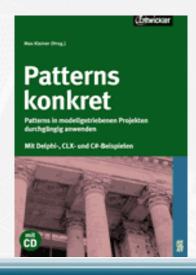






May the source be with you!

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