



## Geocoding

- [http://geoservices.tamu.edu/Services/Geocode/WebService/GeocoderWebServiceHttpNonParsed\\_V04\\_01.aspx?apiKey=<yourKey>&version=4.01&format=json&streetAddress=29+Roslyn+Road&city=Grosse+Pointe+Shores&state=MI&zip=48236&country=USA](http://geoservices.tamu.edu/Services/Geocode/WebService/GeocoderWebServiceHttpNonParsed_V04_01.aspx?apiKey=<yourKey>&version=4.01&format=json&streetAddress=29+Roslyn+Road&city=Grosse+Pointe+Shores&state=MI&zip=48236&country=USA)  
{ "version" : "4.01", ..., "OutputGeocodes": { "OutputGeocode" : { "Latitude" : "42.4415722", "Longitude" : "-82.8776661",
- Sans &format=json returns  
e224f932-1f52-4a58-9ba1-e8c83105729d,4.1,200,42.4415722,-82.8776661,  
00,AddressPoint,100,Exact,Success,1,Parcel,0,Meters,LOCATION\_TYPE\_STREET\_ADDRESS,0.0625,
- [https://maps.googleapis.com/maps/api/geocode/json?address=29 Roslyn Road, Grosse Pointe Shores, MI 48236&key =<yourKey>](https://maps.googleapis.com/maps/api/geocode/json?address=29+Roslyn+Road,+Grosse+Pointe+Shores,+MI+48236&key=<yourKey>)  
"location": { "lat": 42.4415966, "lng": -82.8776269 },
- ARCGIS – ESRI, etc.

## Geocoding from COBOL

- CREATE\_HTTP\_HOST
- CREATE\_HTTP\_CLIENT
- CREATE\_HTTP\_SOCKET
- CREATE\_HTTP\_REQUEST for set query or set content

Loop:

- CREATE\_HTTP\_REQUEST for neither, when the URL contains the request
- INIT\_HTTP\_REQUEST
- SET\_HTTP\_REQUEST\_CONTENT or
- SET\_HTTP\_REQUEST\_QUERY or neither
- EXECUTE\_HTTP\_REQUEST
- GET\_HTTP\_RESPONSE\_CONTENT
- FREE\_HTTP\_REQUEST for neither

## Email from COBOL

```
STRING "SEND: RECYCLE=0, RETRYQ=987, FROM <sender email>"  
      ".com, ATTACH " DELIMITED SIZE WORK DELIMITED ". "  
      " AS LatLongs.txt <receiver email> // Addresses with"  
      " latitudes and longitudes attached. // This is the 1st"  
      " line in the body. ^ This is the 2nd line in the body."  
      DELIMITED SIZE INTO RESPONSE POINTER RESP-P  
      SUBTRACT 1 FROM RESP-P  
      CALL "EMAIL_COB IN EMAILSUPPORT" USING RESPONSE RESP-P  
      GIVING X2  
      IF X2 NOT = ZERO
```

...

## Email from CANDE

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```
U EMAIL SEND: RECYCLE=0, RETRYQ=987, WRAP OFF, ATTACH
(EGANA)AL/NOTE ON CAMCOE AS CAMCOE-EGANA-AL-NOTE.txt, FROM
<sender email> <receiver email> // SHARED-CAMCOE-AL-NOTE.txt // Here's your
file.
```

## Email from WFL

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```
BEGIN JOB AL/WFL/SENDEMAIL (STRING LTITLE);
FILE F (KIND=DISK, DEPENDENTSPECS, DEPENDENTINTMODE);
STRING P;
F (LTITLE=#LTITLE);
IF NOT F (RESIDENT) THEN
  ABORT "No file " & F (LTITLE)
ELSE
  BEGIN
  OPEN (F);
  P := F (PATHNAME);
  LOCK (F);
  END;
IF TAKE (P, 3) = "/-" THEN P := DROP (P, 3);
WHILE TAIL (P, NOT "/") NEQ "" DO
  P := HEAD (P, NOT "/") & "-" & DROP (TAIL (P, NOT "/"), 1);
RUN *SYSTEM/EMAIL ("SEND: RECYCLE=0, RETRYQ=987, WRAP OFF, " &
"ATTACH " & LTITLE & " AS " & P & ".txt, " &
"FROM <sender email> <receiver email> "
"/" & P & ".txt // ... is attached. ^ Line 2.");
END JOB.
```

# Conclusion

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Thank You!



## Questions?

Contact – [CAMCOE@Unisys.com](mailto:CAMCOE@Unisys.com)

- ClearPath Application Modernization CoE