ABAP SDK for Google Cloud

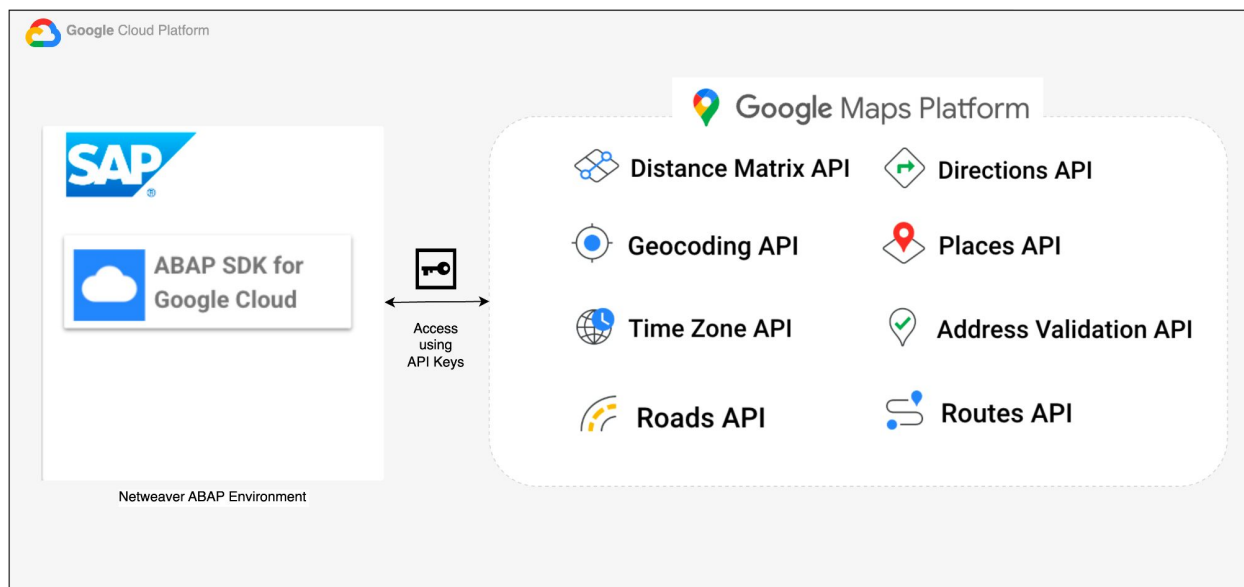**Google Maps Platform**

Google Cloud

Google Maps Platform APIs with ABAP SDK for Google Cloud

Checkout our 👉 quickstart

Google Maps Platform APIs are a powerful tool that can be used to add location intelligence to a wide range of applications. Below are the list of APIs currently supported by ABAP SDK for Google Cloud.

Google Cloud Platform

SAP

ABAP SDK for Google Cloud

Access using API Keys

Netweaver ABAP Environment

Google Maps Platform

- Distance Matrix API
- Directions API
- Geocoding API
- Places API
- Time Zone API
- Address Validation API
- Roads API
- Routes API

Now, this capability is just a method call away

```abap
TRY.

    " Instantiate API Client Stub
    DATA(lo_client) = NEW /goog/cl_geocode( iv_key_name = 'CLIENT_KEY_NAME' ).

    "Populate required parameters
    lv_address = |New York|.

    " Call the API method
    lo_client->geocode( EXPORTING iv_q_address = lv_address
                        IMPORTING es_output    = DATA(ls_output)
                                  ev_ret_code  = DATA(lv_ret_code)
                                  ev_err_text  = DATA(lv_err_text)
                                  es_err_resp  = DATA(ls_err_resp) ).

    IF lo_client->is_status_ok( ).
      WRITE |Latitude is:| && |{ ls_output-results[ 1 ]-geometry-location-lat }|.
      WRITE |Longitude is:| && |{ ls_output-results[ 1 ]-geometry-location-lng }|.
    ELSE.
      MESSAGE lv_err_text TYPE 'E'.
    ENDIF.

    CATCH /goog/cx_sdk INTO DATA(lo_exception).
      MESSAGE lo_exception->get_text( ) TYPE 'E'.

ENDTRY.
```

1 → Connect to the API

2 → Populate Input parameters

3 → Call API Method

4 → Read API Response

5 → Handle error and exception

Enterprise Use Cases

Logistics and Transportation	Location Intelligence can be used to calculate accurate distances and travel times between multiple origins and destinations. This information can be used to optimise route planning, improve delivery times, and reduce transportation costs.
Field Service	Location Intelligence can be used to optimize the scheduling of field service technicians. By knowing the distances and travel times between customer locations, companies can ensure that technicians are assigned to the most efficient routes.
Customer Service	Location Intelligence can be used to provide customers with accurate estimates of travel time or delivery times. This information can be used to improve customer satisfaction and reduce the number of customer inquiries.

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Google Maps Platform

Google Cloud

Medium Blog Post & More Details

Public Documentation

GitHub Repository - Quickstart and Code Samples

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