ABAP SDK for Google Cloud

Cloud Data Loss Prevention API

Google Cloud

Data Loss Prevention Deidentification (DLP) with ABAP SDK for Google Cloud
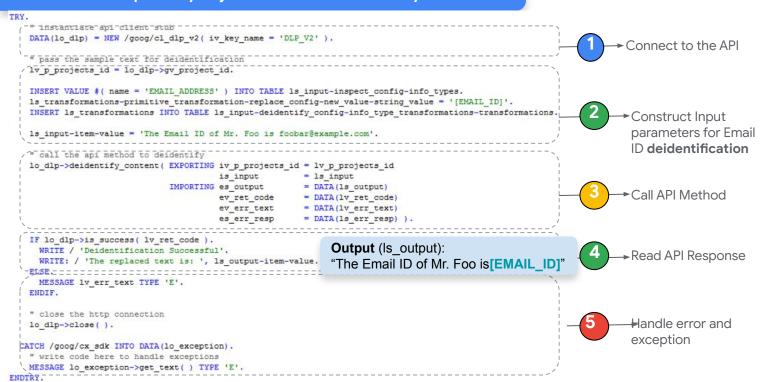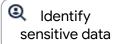
Checkout quick Demo 👉

The Data Loss Prevention (DLP) API provided by Google Cloud Platform offers the following three operations for protecting sensitive data:

Operation	Description	Level of protection	Examples
Redaction	Obscuration or removal of sensitive data	Low	Masking, tokenization, encryption
Deidentification	Modification of sensitive data so that it is no longer possible to identify the individual	Medium	Pseudonymization, generalization, suppression
Anonymization	Transformation of sensitive data so that it is no longer possible to identify the individuals in the data	High	K-anonymity, differential privacy, homomorphic encryption

Now, this capability is just a method call away

```
TRY.
  " instantiate api client stub
  DATA(lo_dlp) = NEW /goog/cl_dlp_v2( iv_key_name = 'DLP_V2' ).

  " pass the sample text for deidentification
  lv_p_projects_id = lo_dlp->gv_project_id.

  INSERT VALUE #( name = 'EMAIL_ADDRESS' ) INTO TABLE ls_input-inspect_config-info_types.
  ls_transformations-primitive_transformation-replace_config-new_value-string_value = '[EMAIL_ID]'.
  INSERT ls_transformations INTO TABLE ls_input-deidentify_config-info_type_transformations-transformations.

  ls_input-item-value = 'The Email ID of Mr. Foo is foobar@example.com'.

  " call the api method to deidentify
  lo_dlp->deidentify_content( EXPORTING iv_p_projects_id = lv_p_projects_id
                                        is_input         = ls_input
                              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_dlp->is_success( lv_ret_code ).
    WRITE: / 'Deidentification Successful'.
    WRITE: / 'The replaced text is: ', ls_output-item-value.
  ELSE.
    MESSAGE lv_err_text TYPE 'E'.
  ENDIF.

  " close the http connection
  lo_dlp->close( ).

CATCH /goog/cx_sdk INTO DATA(lo_exception).
  " write code here to handle exceptions
  MESSAGE lo_exception->get_text( ) TYPE 'E'.
ENDTRY.
```

(1) → Connect to the API

(2) → Construct Input parameters for Email ID **deidentification**

(3) → Call API Method

Output (ls_output):
"The Email ID of Mr. Foo is**[EMAIL_ID]**"

(4) → Read API Response

(5) → Handle error and exception

Achieve superior sensitive data management like:
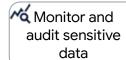
🔍 **Identify sensitive data** — The DLP API helps identify sensitive data in datasets with built-in and custom detectors.

📁 **Classify sensitive data** — Data classification enables tailored privacy protection for sensitive data.

🛡️ **Protect sensitive data** — DLP API safeguards sensitive data with redaction, de identification, and anonymization techniques tailored to data sensitivity and privacy needs.

🔍 **Monitor and audit sensitive data** — The DLP API helps identify sensitive data in datasets with built-in and custom detectors.

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Public Documentation

GitHub Repository - Quickstart and Code Samples

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