## **Creating a De-Identification Template In GCP**

### **Purpose**

This document provides step-by-step instructions for programmatically creating a new De-Identification template for PII data using GCP

### **Requirements**

### Permissions: DLP API Service Agent

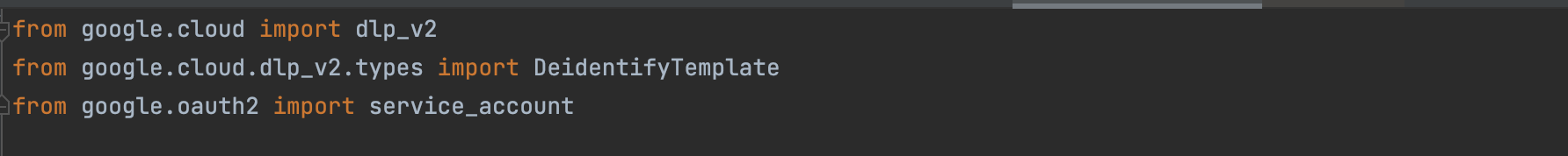
Credentials to programmatically use the GCP

### **Procedure**

#### **Step 1: Install the Necessary Libraries**

pip install google-cloud-dlp google-auth google-auth-oauthlib

#### **Step 2: Import Libraries**



#### **Step 3: Load Credentials i.e. From File or From Environment Variables**

credentials = service\_account.Credentials.from\_service\_account\_file(‘r’, path to file)

#### **Step 4: Create the DeidentificationClient with Credentials**



#### **Step 5: Create the Deidentification Template According to Requirements**

#### Generic Format to Create the Template with 3 Transformations. Does the transformation type on the info\_types that are nested with it. Can add as many info types as needed so long as none are repeated.Text Description automatically generated

#### **Step 6: Creating the Template**

Give the template a name and description and create the de-identification template profile to be viewed through the GCP Data Loss Prevention interface

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Description automatically generated

## **Conclusion**

Configured a de-identification template for PII using the DLP API and Cloud Services. Has multiple methods of transformation on the PII data including Redaction, Masking, and Date Shifting. This template can be used in the future to de-identify PII data in a fhirStore.