

Overview

When invoices are generated in the TC system, the same is displayed on the customer dashboard. Each invoice is generated in the form of a physical XML file.

The file is sent to the Invoice Distributor via SFTP.

The Invoice Distributor will receive the location and credentials of the SFTP.

Since the files are so large, the files can be saved in the ZIP format in the specified folder.

Each TC has a configuration that decides whether the files will be in zipped format.

The invoice distributor checks the Sftp site and downloads the file if it exists (the invoice distributor deletes the file after download).

How To Start

Request

GET API	[REDACTED]
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[REDACTED] Invoice URL From Route String = Invoice Type(TC invoice+TSP Invoice) + KID ID

Request – Which contains Invoice type or kid ID and invoice type has two invoice type Tsp and TC.

Response

```
{
  [REDACTED]
  [REDACTED] "%3Btype%3DTC%3BextraReferenceId
  %3D1000004270000023006/55555/_whtL3Wj-Wvu8tXY7LVAzQ"
}
```

GET [redacted]

Sample request:

1. api/v1/invoice/getinvoiceurl
2. SP used: 1 No sp used

Parameters Cancel

Name	Description
invoicetype <small>* required</small> string (path)	Invoice type.
TC	
kid <small>* required</small> string (path)	KID.
1000004270000023006	

Execute Clear

Responses

URL GENERATE

URL generate(Document identifier) = Issuer + Type + reference id

Issuer = organization number

Type = invoice type

Reference id = KID.

- The issuer is mapped with tenant follo by the organization number.
- The type is something that is taken by request.
- And reference ID is a KID no.

Then the URL is encoded which contains dotnet utility.

URL pattern

Document identifier + InvoiceToken + InvoiceSecretKey

Invoice Toke and InvoiceSecretKey come from configuration files that are given by a third-party vendor.

The String is made with these combinations and with the help of MD5 helper this String is get encrypted.

getMDHash = GetUrlSaferBase64String(MD5Helper.computeHash(urlPattern))

Return URL

We send this URL to Appian and from Appian, we can download the invoice

Return URI = InvoiceURI + EncodedDocumentIdentifier+ getMDHash

Appian

- Whenever the user clicks on the KID number from the customer dashboard, The invoice download option will shown.
- When you click on the Download Invoice, The URL is hit(Hotel URL) which is saved in the TC global Configuration under invoice hotel configuration.

Customer Dashboard

ACCOUNT ID	ACCOUNT ID	ACCOUNT ID	DOCUMENT TYPE	STATUS - FULLY PAID AND OPEN	NET 100	NET 100	DATE	DATE	DATE
000002286	000002285	1000004270000022859	Collection Notice	COLL - FULLY PAID AND OPEN	528.00	528.00	0.00	05/11/2023	01/12/2023 09:55
000002284	000002283	1000004270000022834	Collection Notice	COLL - FULLY PAID AND OPEN	512.00	512.00	0.00	05/11/2023	30/11/2023 11:37
000002282	000002281	1000004270000022818	Collection Notice	COLL - FULLY PAID AND OPEN	546.00	546.00	0.00	05/11/2023	30/11/2023 11:22

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[Click here to download invoice - 000002282](#)

TC Global Configuration

INVOICE HOTEL CONFIGURATION

ACCESS TOKEN	SECRET KEY	HOTEL URL
55555	55555	https://demo.fandcna/archive
<input checked="" type="checkbox"/> Show Access Token	<input checked="" type="checkbox"/> Show Secret Key	