[Oracle Cloud Storage] Browse the bucket and folders failed to load

Last updated by | Veena Pachauri | Mar 8, 2023 at 11:59 PM PST

Contents

- Issue
- Solution
- More info
- Reference

Issue

Cx has created an S3 LinkedService for an Oracle Cloud Storage server. Test Connection is successful.

However, when cx tries to browse the bucket and folders inside it he is getting following error in ADF UI:

'Failed to load

The file operation is failed. A WebException with status TrustFailure was thrown. The underlying connection was closed: Could not establish trust relationship for the SSL/TLS secure channel. The remote certificate is invalid according to the validation procedure. . Activity ID:XXXXXXXXX'

Linked service json

```
{

  "name": "AmazonS33",

  "type": "Microsoft.DataFactory/factories/linkedservices",

  "properties": {

      "annotations": [],

      "type": "AmazonS3",

      "typeProperties": {

          "serviceUrl": "https://sisalspa.compat.objectstorage.eu-frankfurt-1.oraclecloud.com",

          "accessKeyId": "d0733a9552f2c5270903684ce0f356ecfb06f34e",

          "authenticationType": "AccessKey",

          "encryptedCredential": "ew0KICAiVmVyc2lvbiI6ICIyMDE3LTExLTMwIiwNCiAgIlByb3RlY3Rpb25Nb2RlIijogIktleSIsDQogICJTZWNyZXRDb250ZW50VHlwZSI6ICJQbGFpbnRleHQiLA

      }

  }
```

}

Solution

Suggest the customer to try setting the following internal property in S3 linked service? It could be that Oracle Cloud Storage needs some special settings to access by S3 API.

"properties": {

"type": "AmazonS3",

"typeProperties": {

"accessKeyId": "<access key id>",

"forcePathStyle": "true",

More info

Refer to this S3 doc about the [path-style requests](#) ⧉. For native S3 data store, it is deprecated and so we didn't expose such property now.

But for Oracle data store with S3 compatible API, such setting is must-have. Refer to the [Oracle side doc](#) ⧉, which mentioned "The application must use path-based access.". So when using S3 connector to access Oracle store, please always set this property. For other stores, it would depend and need further info from store server side.

In the meantime, ADF will consider exposing such property with the above explanations, so that customers can learn such details by themselves and decide whether use such property based on their target data store.

Reference

121011226003834