

Strategicfs tradeline challenge

Author: Ramachandran Ganesan – rama.ibm@gmail.com – 732 -470 8935

August 20, 2020

[Company name]

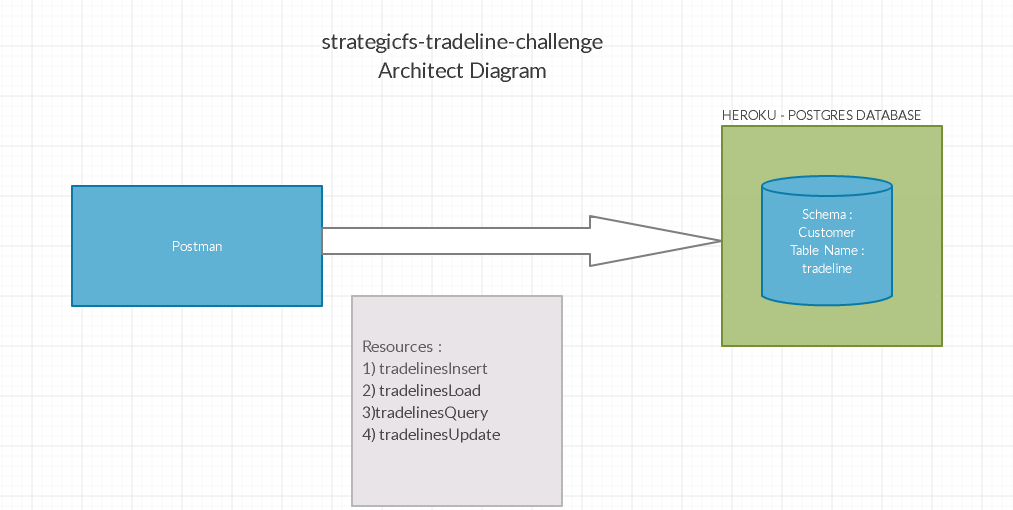
[Company address]

Resource Details:

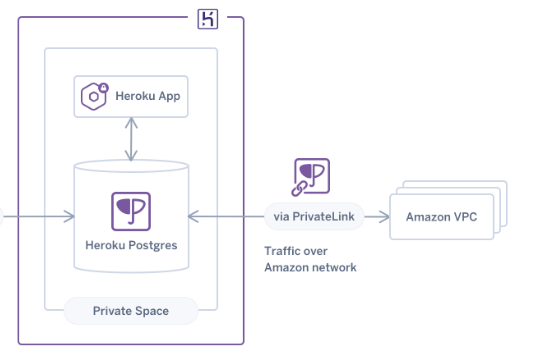
|  |  |  |
| --- | --- | --- |
| **S.NO** | **Details** | **Comments** |
| 1 | Anypoint Connection Info  Github URL | URL : <https://anypoint.mulesoft.com/>  UserName : StrategicFS  Password : StrategicFS1  <https://github.com/ramagane/strategicfs-tradeline-challenges> |
| 2 | Raml definition | <https://anypoint.mulesoft.com/designcenter/designer/#/project/fdc6dc22-916b-450a-a801-6133f3daa4ce> |
| 3 | Video Link : | <https://youtu.be/k8vuoSITjJ8> |
| 4 | API End Point URL | <https://strategicfs-tradeline-challenge.us-e2.cloudhub.io/api/tradelines/tradelinesQuery> |
| 5 | Client Id / Client Secret | Client Id: e80916f07c9849cbaa11bbd2e3187631  Client Secret: 1D2BFd2bbf7f4B44a149bf6116FE7574 |
| 6 | Complete Postman collection | <https://github.com/ramagane/strategicfs-tradeline-challenges/blob/master/strategicfs-tradeline-challenge.postman_collection.json> |
| 7 | Database | I have used Heroku – postgres DB (Free version).  Host: ec2-54-146-91-153.compute-1.amazonaws.com  Database : d6oqhse8p6rhsk  User :tkxoliyocjkuke  Port :5432  Password :195fee95c883d8a2b0553009b227fc54e6bf13274fd7c874025b15ee2a348824 |

**Architecture Diagram:**

**Technical Architect diagram:**



**Database Architecture :**



|  |  |  |
| --- | --- | --- |
| S.NO | Resource | Comments |
| 1 | tradelinesInsert | grammar: post  This request is for inserting a new tradeline into the database.  {  "creditorName": "CBNA",  "firstName": "Suman",  "lastName": "Tester79",  "minPaymentPercentage": 2,  "balance": 1363  } |
| 2 | tradelinesLoad | There are 2 option   1. When you like to load all the records in the file, pass the request   {  "load": "ALL"  }   1. When you like to delete all the existing records in the DB and load fresh   {  "load": "DeleteandLoad"  } |
| 3 | tradelinesQuery | There are 3 different query option.   1. Query by Id.   {  "Id": 77  }   1. Query by FirstName   {  "firstName": "Suman"  }   1. Query by lastName   {  "lastName": "Tester79"  }  When there is multiple match found, Application will return all the records. |
| 4 | tradelinesUpdate | Update tradeline record – all the fields.  {  "Id": 89,  "creditorName": "CBNA",  "firstName": "Suman",  "lastName": "Tester79",  "minPaymentPercentage": 2,  "balance": 1363  } |
| 5 | tradelinesDelete | To delete a tradeline by Id.  {  "Id": 90  } |