CLASSEC Development

# 

# Developer <Bhavya Sree>

# Story

**Pull static data of the Vmware** : To pull the static data from the vmware end points and update it into the database.And also the creation of the API for the static data.

**Pull Dynamic data of the vmware** : To pull the dynamic data from the vmware endpoints and update it into the database.And also the creation of API for the dynamic data.

# Tasks

**ORM Implementation :** To insert the static data and dynamic data into the database using the ORM .

**Rest API Development - Controller Implementation(static data API)** : To develop the rest API for the static data i.e.,,(VmName,Memory,CPU) from database using the Golang.

**Rest API Development (Dynamic data API):**  To develop the rest API for the dynamic data i.e., (VMName ,overall CPU usage) using golang.

**Rest API Development (StaticDynamic data API): T**o develop an rest API which gives the static and dynamic data combinedly.

**Rest API Development (DynamicUpdate data API):** To develop an rest API which give the dynamic details which are updated in the database i.e., (Max CPU, Storage Committed).

# Environment

Go version go1.7

# Modules impacted

* Controller
* DAO
* Structs
* Server

# Files added

* Classec/src/gclassec/controller/vmware\_connect.go
* Classec/src/gclassec/structs/vmware\_structs.go
* Classec/src/gclassec/dao/vmwareinsert.go
* Classec/src/gclassec/dao/update\_dynamic\_db.go

# Files changed

* Classec/src/gclassec/server/main.go

# Configuration

* Classec/src/gclassec/conf/vmwareconf.json

# Dependencies (Libraries)

* github.com/go-sql-driver/mysql
* github.com/jinzhu/gorm
* github.com/vmware/govmomi

# Testcases added

Done the basic testing like comparison of data from the endpoints and and data that is inserted into the database are same.

# Code coverage

<Code coverage % of developed code>

# challenges faced

Faced problem during the updation of the database with the required arguments due to improper mapping.

# Complexity

<>

# Further comments

<>

<>