

API documentation (how to invoke the APIs)

Requirements:

Implement a RESTful API to provide the following functionality:

1. Retrieve the list of servers to which the user that is invoking the API has access
2. Retrieve the list of clusters that contain at least 1 server to which the user that invoking the API has access
3. Retrieve the list of servers that belong to a specified cluster
4. Retrieve the list of access attempts for each user against a particular server
5. Add a server to a cluster by specifying an IP, nickname, cluster to which belongs

Login

Log in using username kemp and password limerick

This will open a session for user id 1 and open a menu.

Username:

Password:

Menu

Click on option in menu.

Menu

- [Retrieve the list of servers to which the user that is invoking the API has access](#)
- [Retrieve the list of clusters that contain at least 1 server to which the user that invoking the API has access](#)
- [Retrieve the list of servers that belong to a specified cluster](#)
- [Retrieve the list of access attempts for each user against a particular server](#)
- [Add a server to a cluster by specifying an IP, nickname, cluster to which belongs](#)
- [Log out](#)

Menu Item One: Retrieve the list of servers to which the user that is invoking the API has access

list the servers to which kemp has access that are stored in the database.

Access to following servers

Server ID
1
2
3

- [Return to main menu](#)

Menu Item Two: Retrieve the list of clusters that contain at least 1 server to which the user that invoking the API has access

List the clusters that contain the servers to which kemp has access that are stored in the database.

Access to following clusters

Cluster ID
1
2

- [Return to main menu](#)

Menu Item Three: Retrieve the list of servers that belong to a specified cluster

Enter a cluster id.

ENTER CLUSTER ID:

- [Return to main menu](#)

The following data is display for the inputted cluster id.

Servers that belong to Cluster

Server ID
1
2

- [Return to main menu](#)

Menu Item Four: Retrieve the list of access attempts for each user against a particular server

Enter the Server id.

SERVER ID:

- [Return to main menu](#)

Lists details of users access attempts to that server.

Access attempts

User ID	Server ID	Success	DateStamp
1	1	Success	2018-06-12 21:31:50
1	1	Fail	2018-06-12 21:31:50
1	1	Success	2018-06-12 21:31:50

- [Return to main menu](#)

Menu Item Five: Add a server to a cluster by specifying an IP, nickname, cluster to which belongs

Input details

IP Address:

Nick Name:

Cluster ID:

- [Return to main menu](#)

Show details added to database

Server Added

Server Id	IP Address	Cluster Id	Name
4	192.13.13.4	1	tanya

- [Return to main menu](#)

