

# 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

**Username:**

**Password:**

## Menu

### Menu

- [Retrieve the list of servers to which the user that is invoking the API has access](#)
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*Retrieve the list of servers to which the user that is invoking the API has access*

### **Access to following servers**

Server ID
1
2
3

- [Return to main menu](#)

*Retrieve the list of clusters that contain at least 1 server to which the user that invoking the API has access*

### **Access to following clusters**

Cluster ID
1
2

- [Return to main menu](#)

*Retrieve the list of servers that belong to a specified cluster*

**ENTER CLUSTER ID:**

Cluster Id

- [Return to main menu](#)

*Retrieve the list of access attempts for each user against a particular server*

**SERVER ID:**

- [Return to main menu](#)

**Access to following servers**

Server ID
1
2
3

- [Return to main menu](#)

*Add a server to a cluster by specifying an IP, nickname, cluster to which belongs*

**IP Address:**

**Nick Name:**

**Cluster ID:**

- [Return to main menu](#)

**Server Added**

Server Id	IP Address	Cluster Id	Name
4	192.13.13.4	1	tanya

- [Return to main menu](#)