

Controller API Documentation

VM Requests:

URL: <IP>:<Port>/vms/

Method:

- POST (VM Creation Request)

Body:

```
{  
    "name": "VM Name",  
    "description": "VM Description",  
    "owner": "Workspace Name",  
    "networks": ["Network-01 Name", "Network-02 Name", ],  
    "area": "Area Name",  
    "template": "Template Name",  
    "password": "hashed password"  
}
```

URL: <IP>:<Port>/vms/

Method:

- DELETE (VM Deletion Request)

Body:

```
{  
    "name": "Network Name",  
    "owner": "Workspace Name"  
}
```

URL: <IP>:<Port>/vms/

Methods:

- PUT (Edit VM Information)

Body:

```
{
  "name": "VM Name",
  "owner": "Workspace Name",
  "update_dict": {
    "name": "New VM Name",
    "description": "New VM Description",
    "new_networks": [{"name": "Network-01 Name"},]
  }
}
```

Network Requests:

URL: <IP>:<Port>/networks/

Method:

- POST (Creation Request)

Body:

```
{
  "name": "Network Name",
  "description": "Network Description",
  "owner": "Workspace Name"
}
```

URL: <IP>:<Port>/networks/

Method:

- DELETE (Network Deletion Request)

Body:

```
{  
    "name": "Network Name",  
    "owner": "Workspace Name"  
}
```

URL: <IP>:<Port>/networks/

Methods:

- PUT (Edit Network Information)

Body:

```
{  
    "name": "Network Name",  
    "owner": "Workspace Name",  
    "update_dict": {  
        "name": "New Network Name",  
        "description": "New Network Description"  
    }  
}
```

Router Requests:

URL: <IP>:<Port>/routers/

Method:

- POST (Router Creation Request)

Body:

```
{  
    "name": "Router Name",  
    "owner": "Workspace Name"  
}
```

URL: <IP>:<Port>/routers/

Method:

- DELETE (Router Deletion Request)

Body:

```
{  
    "name": "Router Name",  
    "owner": "User Name"  
}
```

URL: <IP>:<Port>/routers/

Methods:

- PUT (Edit Network Information)

Body:

```
{  
    "name": "router Name",  
    "owner": "Workspace Name",  
    "update_dict": {  
        "name": "New Router Name"  
    }  
}
```

Router Interface Requests:

URL: <IP>:<Port>/interfaces/

Method:

- POST (Router Interface Creation Request)

Body:

```
{  
    "network": "Interface Network",  
    "owner": "Workspace Name",  
    "router": "Router Name",  
    "ip": "10.10.10.1/24"  
}
```

URL: <IP>:<Port>/interfaces/

Method:

- DELETE (Router Interface Deletion Request)

Body:

```
{  
    "network": "Interface Network",  
    "owner": "User Name",  
    "router": "Router Name"  
}
```

URL: <IP>:<Port>/interfaces/

Methods:

- PUT (Edit Router Interface Information)

Body:

```
{  
    "router": "router Name",  
    "network": "network name"  
    "owner": "Workspace Name",  
    "update_dict": {  
        "ip": "20.10.16.254/24"  
    }  
}
```

Tasks Requests:

URL: <IP>:<Port>/tasks/<workspace>/

Method:

- GET (retrieves all tasks for a workspace)

URL: <IP>:<Port>/running_tasks/<workspace>/

Method:

- GET (retrieves running tasks of a workspace)

URL: <IP>:<Port>/finished_tasks/<workspace>/

Method:

- GET (retrieves finished tasks of a workspace)