

## Block Storage APIs

### ■Volume\_Creation:

- Argument: name, size in GB.
- Return: volumeid(+ if successfully created, 0 if failed)  

```
{  
  volumeid:38201  
}
```
- URL: <http://server/volume/create?name=test-volume&size=10>

### ■Volume\_Query

- Argument: volumeid
- Return: (if id exists) volumeid, name, size, status (attached/available/deleted), vmid (if status is attached)

```
{  
  "volumeid":38201,  
  "name":"test_volume",  
  "size":3  
  "status":"attached"  
  "vmid" :1011  
}
```

**OR**

```
{  
  "volumeid":38201,  
  "name":"test_volume",  
  "size":3  
  "status":"available"  
}
```

**OR**

If id doesn't exist

```
{  
  "error ": "volumeid : xxxx does not exist"  
}
```

- URL: <http://server/volume/query?volumeid=volumeid>

#### ■Volume\_Destroy

- Argument: vmid
- Return: 1 for success and 0 for failure.

```
{  
  "status":1  
}
```

- URL: <http://server/volume/destroy?volumeid=volumeid>

#### ■Volume\_Attach

- Argument: vmid, volumeid
- Return: 1 for success and 0 for failure.

```
{  
  "status":1  
}
```

- URL: <http://server/volume/attach?vmid=vmid&volumeid=volumeid>

#### ■Volume\_Detach

- Argument: volumeid
- Return: 1 for success and 0 for failure.

```
{  
  "status":1  
}
```

- URL: <http://server/volume/detach?volumeid=volumeid>