

sushy-tools (redfish-vbmc)

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— 2025/04/23 03:12

가 (KVM) BMC / vbmc vbmc IPMI
 . / BMC Redfish
 (HTTPS, REST, JSON) 가 . IPMI
 Redfish 가 .

RedHat RHEL/Rocky Linux 9 .

- KVM 가 .
- Python/pip 가 .

```
$ pip install sushy-tools
```

가 systemd script . /etc/systemd/system/sushy-emulator.service

```
# /etc/systemd/system/sushy-emulator.service
[Unit]
Description=Sushy Libvirt emulator
After=syslog.target

[Service]
Type=simple
ExecStart=/usr/local/bin/sushy-emulator --port 8000 --libvirt-uri "qemu:///system"
#ExecStart=/usr/local/bin/sushy-emulator --config /etc/sushy/sushy-emulator.conf --libvirt-uri "qemu:///system"
StandardOutput=syslog
StandardError=syslog
Restart=always

[Install]
WantedBy=multi-user.target
```

. /etc/sushy/sushy-emulator.conf .

```
sushy-tools                                SUSHY_EMULATOR_AUTH_FILE
SUSHY_EMULATOR_AUTH_FILE = '/etc/sushy/sushy-authfile'

      httpasswd                                httpasswd                                MD5
Hash      sushy-tools                                bcrypt
      httpasswd      -B                                . /etc/sushy/sushy-authfile
```

```
# : /etc/sushy/sushy_authfile      'admin'      가
sudo mkdir -p /etc/sushy
sudo httpasswd -B -c /etc/sushy/sushy-authfile admin
# New password: <      >
# Re-type new password: <      >
```

/etc/sushy/sushy-emulator.conf

```
# sushy emulator configuration file built on top of Flask application
# configuration infrastructure: http://flask.pocoo.org/docs/config/

# Listen on all local IP interfaces
SUSHY_EMULATOR_LISTEN_IP = '0.0.0.0'

# Bind to TCP port 8000
SUSHY_EMULATOR_LISTEN_PORT = 8000

# If authentication is desired, set this to an httpasswd file.
SUSHY_EMULATOR_AUTH_FILE = '/etc/sushy/sushy-authfile'

# The libvirt URI to use. This option enables libvirt driver.
SUSHY_EMULATOR_LIBVIRT_URI = u'qemu:///system'
```

```
curl -u "admin:admin" http://localhost:8000/redfish/v1/Systems
```

```
[root@kvm33 sushy]# curl -u "admin:admin"
http://localhost:8000/redfish/v1/Systems
{
  "@odata.type": "#ComputerSystemCollection.ComputerSystemCollection",
  "Name": "Computer System Collection",
  "Members@odata.count": 3,
  "Members": [

    {
```

```

        "@odata.id": "/redfish/v1/Systems/96cc2716-4670-4b0b-ae66-5a68febc9525"
      },
      {
        "@odata.id": "/redfish/v1/Systems/02a6ecfe-cf95-4138-9467-545e9f380a45"
      },
      {
        "@odata.id": "/redfish/v1/Systems/92241405-6e50-4c44-af0b-864e52bd6d45"
      }
    ],
    "@odata.context":
"/redfish/v1/$metadata#ComputerSystemCollection.ComputerSystemCollection",
    "@odata.id": "/redfish/v1/Systems",
    "@Redfish.Copyright": "Copyright 2014-2016 Distributed Management Task Force, Inc. (DMTF). For the full DMTF copyright policy, see http://www.dmtf.org/about/policies/copyright."

```

```

curl -k -u "{username}:{password}"
http://localhost:8000/redfish/v1/Systems/{vm_uuid} | jq .
# ex)
curl -k -u "admin:admin"
http://localhost:8000/redfish/v1/Systems/ee5cb7b7-84d0-4e62-9a42-5a8b9282d8fa

```

```

curl -k -u "{username}:{password}"
http://localhost:8000/redfish/v1/Systems/{vm_uuid} | jq '.PowerState'

```

```

curl -k -u "{username}:{password}" \
-X POST \
-H "Content-Type: application/json" \
-d '{"ResetType": "On"}' \
http://localhost:8000/redfish/v1/Systems/{vm_uuid}/Actions/ComputerSystem.Reset
# ex)
curl -k -u "admin:admin" -X POST -H "Content-Type: application/json" -d

```

```
'{"ResetType": "On"}'
```

```
http://localhost:8000/redfish/v1/Systems/ee5cb7b7-84d0-4e62-9a42-5a8b9282d8fa
```

-

```
curl -k -u "{username}:{password}" \
  -X POST \
  -H "Content-Type: application/json" \
  -d '{"ResetType": "ForceOff"}' \
  http://localhost:8000/redfish/v1/Systems/{vm_uuid}/Actions/ComputerSystem.Reset
```

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```
curl -k -u "{username}:{password}" \
  -X POST \
  -H "Content-Type: application/json" \
  -d '{"ResetType": "GracefulShutdown"}' \
  http://localhost:8000/redfish/v1/Systems/{vm_uuid}/Actions/ComputerSystem.Reset
```

- <https://docs.openstack.org/sushy-tools/latest/>

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