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# RHV / oVirt Shell CLI

## 접속방법

```
[root@rhevm ~]# rhevm-shell -l "https://192.168.0.180:443/ovirt-engine/api"
-u "admin@internal" -K "/etc/pki/ovirt-engine/private/ca.pem" -C
"/etc/pki/ovirt-engine/certs/engine.cer" -A "/etc/pki/ovirt-engine/ca.pem" -
I -D -c
Password:

=====
=====
>>> connected to RHEVM
manager 3.6.12.0 <<<
=====
=====

+++++
+++++

Welcome to RHEVM

shell

+++++
+++++

[RHEVM shell (connected)]#
```

또는

```
[root@rhevm ~]# rhevm-shell -I -D
URL: https://192.168.0.180/ovirt-engine/api
Username: admin@internal
Password: [PASSWORD]

=====
=====
>>> connected to RHEVM
manager 3.6.12.0 <<<
=====
=====

+++++
+++++

Welcome to RHEVM
```

```
shell
```

```
+++++
+++++
```

```
[RHEVM shell (connected)]#
```

```
[root@rhevm ~]# rhevm-shell
```

```
URL: [ENTER]
```

```
Username: [ENTER]
```

```
Password: [ENTER]
```

```
===== ERROR
=====
missing configuration
variable: url.
```

```
=====
=====
```

```
+++++
+++++
```

```
Welcome to RHEVM
```

```
shell
```

```
+++++
+++++
```

```
[RHEVM shell (disconnected)]#
```

```
[RHEVM shell (disconnected)]# connect --key-file /etc/pki/ovirt-
engine/private/ca.pem --cert-file /etc/pki/ovirt-engine/certs/engine.cer --
ca-file /etc/pki/ovirt-engine/ca.pem --url
"https://rhevm.local.domain:443/ovirt-engine/api" --user "admin@internal" --
password 'redhat'
```

```
=====
=====
>>> connected to RHEVM
```

```
manager 3.6.12.0 <<<
```

```
=====
=====
```

```
[RHEVM shell (connected)]#
```

# 명령어

사용할 수 있는 명령어는 아래와 같다.

- `action` execute an action on an object
- `add` creates a new object or adds existent
- `capabilities` displaying system capabilities
- `clear` clear the screen
- `connect` connect to a RHEV manager
- `console` open a console to a VM
- `disconnect` disconnect from RHEV manager
- `exit` quit this interactive terminal
- `help` show help
- `history` displaying commands history
- `info` shows environment and application components info
- `list` list or search objects
- `ping` test the connection
- `remove` removes an object
- `show` show one object
- `status` shows last command status
- `summary` displaying the system status
- `update` update an object

아래 명령어로 상세 사용법을 확인할 수 있다.

```
[RHEVM shell (connected)]# help 명령어
```

또한 모든 명령어는 `auto complete` 기능이 지원되므로 `TAB`키를 누르면 사용할 수 있는 명령어나 파라미터를 확인 할 수 있다.

## 예제

### VM List

```
[RHEVM shell (connected)]# list vms
```

```
id          : fa75ece3-088c-4f18-9e5b-2799ab3a05f5
name        : test
```

### VM status

```
[RHEVM shell (connected)]# show vm test
```

```
id          : fa75ece3-088c-4f18-9e5b-2799ab3a05f5
name        : test
```

```
bios-boot_menu-enabled      : False
cluster-id                  : 84e4c9df-4f36-4216-a8f5-2740a2b33a02
cpu-architecture            : X86_64
cpu-topology-cores          : 1
cpu-topology-sockets        : 1
cpu-topology-threads        : 1
cpu_profile-id              : 60d2ce90-c1b6-4718-8466-d8d9d8a13b3f
cpu_shares                   : 0
creation_time                : 2020-05-06 14:58:04.080000+09:00
delete_protected             : False
display-allow_override      : True
display-copy_paste_enabled  : True
display-disconnect_action   : LOCK_SCREEN
display-file_transfer_enabled : True
display-monitors             : 1
display-single_qxl_pci      : False
display-smartcard_enabled   : False
display-type                 : spice
high_availability-enabled    : False
high_availability-priority   : 1
initialization-custom_script :
initialization-regenerate_ssh_keys : False
io-threads                   : 0
large_icon-id                : 3dda812c-3a6a-4f46-8c81-c89dbf286f03
memory                       : 1073741824
memory_policy-guaranteed     : 1073741824
migration-auto_converge      : inherit
migration-compressed         : inherit
migration_downtime           : -1
next_run_configuration_exists : False
numa_tune_mode               : interleave
origin                       : ovirt
os-boot-dev                  : hd
os-type                       : other
placement_policy-affinity    : migratable
small_icon-id                : 7ff20b9d-f985-4c4f-a31f-d2891a1fa43f
sso-methods-method-id        : GUEST_AGENT
start_paused                 : False
stateless                    : False
status-state                 : down
stop_reason                  :
stop_time                    : 2020-05-07 03:31:37.776000+09:00
template-id                  : 00000000-0000-0000-0000-000000000000
time_zone-name               : Etc/GMT
timezone                     : Etc/GMT
type                         : server
usb-enabled                  : False
```

## Live Migration

```
[RHEVM shell (connected)]# action vm test migrate --host-name hyp2
```

```
host-name      : hyp2
job-id         : 5261cd99-93e9-4d29-9ac4-b6f9ba06c50a
status-state   : complete
vm-id          : fa75ece3-088c-4f18-9e5b-2799ab3a05f5
```

## VM 정지

```
[RHEVM shell (connected)]# action vm test stop
```

```
job-id         : b64449eb-d2a9-4288-93bd-bb9462d6e9b4
status-state   : complete
vm-id          : fa75ece3-088c-4f18-9e5b-2799ab3a05f5
```

## VM 시작

```
[RHEVM shell (connected)]# action vm test start
```

```
job-id         : b64449eb-d2a9-4288-93bd-bb9462d6e9b4
status-state   : complete
vm-id          : fa75ece3-088c-4f18-9e5b-2799ab3a05f5
```

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