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How to restrict normal users from poweroff, reboot, suspend and hibernate on RHEL7

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Medio Ambiente

- Red Hat Enterprise Linux 7

Cuestión

- How to restrict normal users from poweroff, reboot, suspend and hibernate on RHEL7
- When a user login from console and there is no other login user, the user can run poweroff, reboot, systemctl suspend and systemctl hibernate.
- When a user login from remote and the user know the password of root or any user in wheel group, the user can run them.

```
[user1@rhel7 ~]$ reboot
==== AUTHENTICATING FOR org.freedesktop.login1.reboot ====
Authentication is required for rebooting the system.
Authenticating as: root
Password:
```

Resolución

- Make a file, `/etc/polkit-1/rules.d/100-stop-reboot.rules` as follows.



```

polkit.addRule(function(action, subject) {
  if (action.id == "org.freedesktop.login1.power-off" ||
      action.id == "org.freedesktop.login1.power-off-multiple-sessions" ||
      action.id == "org.freedesktop.login1.reboot" ||
      action.id == "org.freedesktop.login1.reboot-multiple-sessions" ||
      action.id == "org.freedesktop.login1.inhibit-block-shutdown" ||
      action.id == "org.freedesktop.login1.inhibit-delay-shutdown" ||
      action.id == "org.freedesktop.login1.suspend" ||
      action.id == "org.freedesktop.login1.suspend-multiple-sessions" ||
      action.id == "org.freedesktop.login1.suspend-ignore-inhibit" ||
      action.id == "org.freedesktop.login1.hibernate" ||
      action.id == "org.freedesktop.login1.hibernate-multiple-sessions")
  {
    return polkit.Result.NO;
  }
});

```

Procedimientos para el Diagnóstico

You can see each description as follows.

```

# pkaction -v -a org.freedesktop.login1.power-off
org.freedesktop.login1.power-off:
description:      Power off the system
message:         Authentication is required for powering off the system.
vendor:          The systemd Project
vendor_url:      http://www.freedesktop.org/wiki/Software/systemd
icon:
implicit any:    auth_admin_keep
implicit inactive: auth_admin_keep
implicit active: yes

```

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