

Foglight™ for Linux Provisioning  
ActionPack 6.3.0  
**User and Reference Guide**



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## Legend

■ **WARNING:** A **WARNING** icon indicates a potential for property damage, personal injury, or death.

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i **IMPORTANT NOTE, NOTE, TIP, MOBILE, or VIDEO:** An information icon indicates supporting information.

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# Using the ActionPack for Linux Provisioning

This *Foglight for Linux Provisioning ActionPack User and Reference Guide* provides requirements, configuration instructions, conceptual information and instructions on how to use the Foglight for Linux Provisioning ActionPack. Using the Foglight for Linux Provisioning ActionPack, Foglight for Linux Provisioning ActionPack can configure physical and virtual machines that are running Red Hat Enterprise Linux (RHEL) 5.x OS.

This guide is intended for any user who wants to use Foglight to work with the physical and virtual machines that are running Red Hat Enterprise Linux 5.x OS.

This chapter provides information about requirements that need to be met for the Foglight for Microsoft Hyper-V™ ActionPack to work properly, and a description of actions included in the ActionPack.

## ActionPack for Linux System Provisioning Requirements

### Foglight for Linux Provisioning ActionPack Support Matrix

Table 1. Support Matrix

ActionPack	ActionPack Version	Requires Foglight for Linux Provisioning ActionPack Version	Supported Target Systems
Linux System Provisioning	5.6.2	6.6	RHEL 5.x, 6.x

## Support Limitations

Before you start working with ActionPack for Linux System Provision, make sure that the following requirements are met:

- OpenSSL is used to encrypt the password. Therefore, OpenSSL must be installed on the machine you provision.
- Red Hat Network (RHN) credentials can optionally be provided. In this case the virtual machine you provision can be registered.
- SSH port is assumed to be 22. Currently, this setting cannot be customized.

# Actions

In this section you will read about actions that included into the Foglight for Microsoft Hyper-V™ ActionPack.

## RHEL5 Provision

### Description

This action configures the host's name, root password and network interface (default - `eth0`) of a target virtual machine that runs Red Hat Enterprise Linux 5.x (RHEL5) guest OS according to the specified parameters. Optionally (if RHN credentials and subscription number are provided) the RHEL5 virtual machine can be registered in RHN.

### Pre-conditions

- The virtual machines's guest OS should be one of the Red Hat Enterprise Linux 5.x family either 32-bit or 64-bit.
- The virtual machine should be in the Running state.

Table 2. RHEL5 Provision Input Parameters

Name/Scripting name	Type	Description
Host name or IP address/hostAddress	String	Either host name or IP address.
User name of a Golden VM /userName	String	The user name that belongs to the Golden VM administrative group.
User's password /userPassword	String	The user's password.
Root user password /rootPassword	String	The password that will be assigned to the root user on the cloned virtual machine.
Use DHCP/useDHCP	Array of Boolean	Specifies whether or not to use DHCP.
IP address/staticIP	Array of String	The IP address to be assigned to the network interface.
MAC Address/macAddress	Array of String	MAC address.
Subnet mask/subnetMask	Array of String	Subnet mask to be assigned to the network interface.
Default gateway/defaultGateway	Array of String	Default gateway to be assigned to the network interface.
DNS search paths/dnsSearchPaths	Array of String	Comma-separated DNS search path.
DNS host name/defaultHostName	Array of String	DNS host name.
DNS servers list/dnsServers	Array of String	Comma-separated DNS servers list.
RHN login/rhnLogin	String	Red Hat Network login.
RHN password/rhnPassword	String	Red Hat Network password.
Subscription number/subscriptionNumber	String	Red Hat Enterprise Linux Subscription number.

## Post-conditions

- The action configures the DNS host name, root password and `eth0` network interface of the target VM.

## Output parameters

None.

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## Contacting Quest

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## Technical support resources

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