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| **Huawei Server Update Tool 1.1.2** | | |
| **User Guide** | | |
| **Issue** | **01** | |
| **Date** | **2019-10-30** | |
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|  | HUAWEI TECHNOLOGIES CO., LTD. | |  |  |

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About This Document

Purpose

This document describes how to install and uninstall the Huawei Server Update Tool (HSU), and how to query and upgrade Huawei server iBMC and BIOS using this tool.

Intended Audience

This document is intended for:

* Technical support engineers
* Maintenance engineers

Symbol Conventions

The symbols that may be found in this document are defined as follows.

| Symbol | Description |
| --- | --- |
|  | Indicates a hazard with a high level of risk which, if not avoided, will result in death or serious injury. |
|  | Indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury. |
|  | Indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate injury. |
|  | Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance deterioration, or unanticipated results.  NOTICE is used to address practices not related to personal injury. |
|  | Supplements the important information in the main text.  NOTE is used to address information not related to personal injury, equipment damage, and environment deterioration. |

Change History

| Issue | Release Date | Description |
| --- | --- | --- |
| 01 | 2019-10-30 | This issue is the first official release. |

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# Overview

The HSU is a plug-in that runs on the operating system (OS) of Huawei servers.

* You can implement the following functions by using this plug-in:
* Query the iBMC and BIOS versions
* Upgrade the iBMC and BIOS locally
* Restart the OS
* The HSU supports the following OS on managed servers:

CentOS 6.9 (kernel-lt-4.4.179-1.el6.elrepo.x86\_64.rpm or earlier)

* The HSU supports the following managed servers:

1288H V5, 2288H V5, 5288 V5, and G560 V5

# Installing and Uninstalling the HSU

[2.1 Installing the HSU](#_EN-US_TOPIC_0199193723)

[2.2 Uninstalling the HSU](#_EN-US_TOPIC_0199193710)

## Installing the HSU

Prerequisites

You have obtained the HSU software package (for example, **HuaweiServerUpdateTool v***X.X.X***.tar.gz**) from GitHub.

Procedure

Log in to the managed server as user **root** and upload the HSU package to an OS directory, for example, **/root**.

Run the following command to decompress the HSU installation package:

**# tar -zxvf *HuaweiServerUpdateTool-vX.X.X.tar.gz***

Install the tool in any directory. The following uses the **/usr/local/huawei** directory as an example.

1. If the directory does not exist, run the following command to create the directory:

**# mkdir /usr/local/huawei**

1. Place the HSU installation package decompressed in [Step 2](#li138840533258) to the directory.

----End

## Uninstalling the HSU

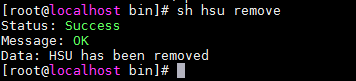
Run the following command to go to the **bin** directory:

**# cd /usr/local/huawei/HSU/bin**

Run the following command to uninstall the HSU:

**# sh hsu remove**

Uninstalling the HSU



Run the following commands to delete the **HSU** folder:

**# cd /usr/local/huawei**

**# rm -rf HSU**

----End

# Using the HSU

[3.1 Querying the iBMC and BIOS Versions](#_EN-US_TOPIC_0199193726)

[3.2 Upgrading the iBMC and BIOS](#_EN-US_TOPIC_0199193711)

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[3.4 Querying the HSU Version](#_EN-US_TOPIC_0199193727)

## Querying the iBMC and BIOS Versions

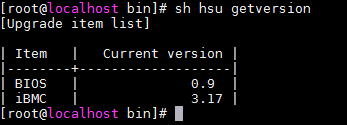
Run the following command to go to the **bin** directory:

**# cd /usr/local/huawei/HSU/bin**

Run the following command to query the iBMC and BIOS versions:

**# sh hsu getversion**

Querying the iBMC and BIOS versions



Parameter description:

* **BIOS**: BIOS version of the server
* **iBMC**: active BMC version of the server

----End

## Upgrading the iBMC and BIOS

### Upgrading the iBMC



After the upgrade is performed once, only the active BMC is upgraded. If you need to upgrade the standby BMC, perform the upgrade twice.

Procedure

Run the following command to go to the **bin** directory:

**# cd /usr/local/huawei/HSU/bin**

Run the following command to upgrade the active BMC:

**# sh hsu update -l** *path of the BMC upgrade file*

Example:

**# sh hsu update -l BMC /tmp/G560\_V5\_iBMC\_V317.zip**

Upgrading the iBMC



(Optional) Run the command in [Step 2](#d0e560) again to upgrade the standby BMC.

**# sh hsu update -l BMC /tmp/G560\_V5\_iBMC\_V317.zip**

----End

### Upgrading the BIOS

Procedure

Run the following command to go to the **bin** directory:

**# cd /usr/local/huawei/HSU/bin**

Run the following command to upgrade the BIOS:

**# sh hsu update -l** *path of the BIOS upgrade file*

Example:

**# sh hsu update -l BIOS /tmp/G560\_V5\_BIOS\_V090.zip**

Upgrading the BIOS



Run the following command to restart the OS for the upgrade to take effect:

**# sh hsu restart**

----End

## Restarting the OS

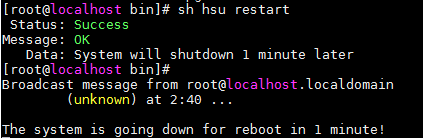
Run the following command to go to the **bin** directory:

**# cd /usr/local/huawei/HSU/bin**

Run the following command to restart the OS:

**# sh hsu restart**

Restarting the OS



----End

## Querying the HSU Version

Run the following command to go to the **bin** directory:

**# cd /usr/local/huawei/HSU/bin**

Run the following command to query the HSU version:

**# sh hsu -v**

Querying the HSU version



----End