

HPE Gen9 服务器通过 AHSdownload 收集 AHS 日志

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一. 适用范围与注意事项

- 本文档旨在说明 HPE Gen9 系列服务器系统下通过 Active Health System Log Download CLI 收集 AHS 日志。
- 本文仅适用于 Windows 与 Linux 系统。
- 实际情况是否适用本文档，请通过下面导航链接进行确认：
<https://zhiliao.h3c.com/Theme/details/218272>
- 提示：
 - 本文档中的信息（包括产品，软件版本和设置参数）仅作参考示例，具体操作与目标需求设置

请以实际为准。

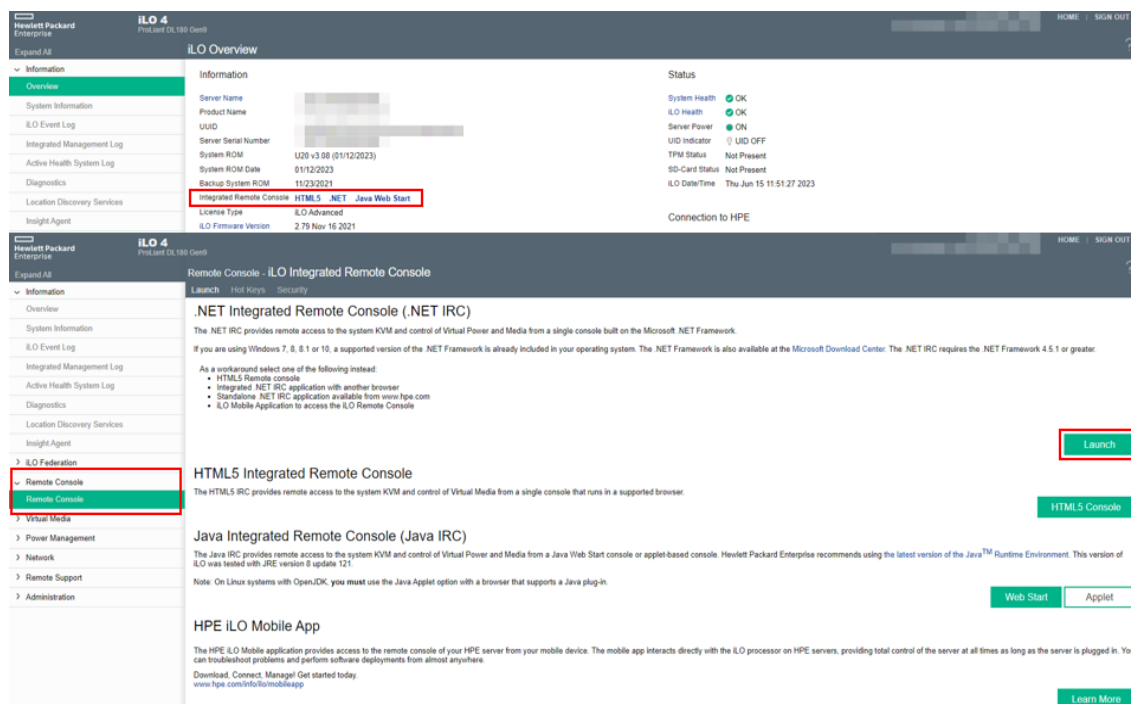
- 本文档不定期更新维护，请以发布的最新版本为准。

二. 操作准备

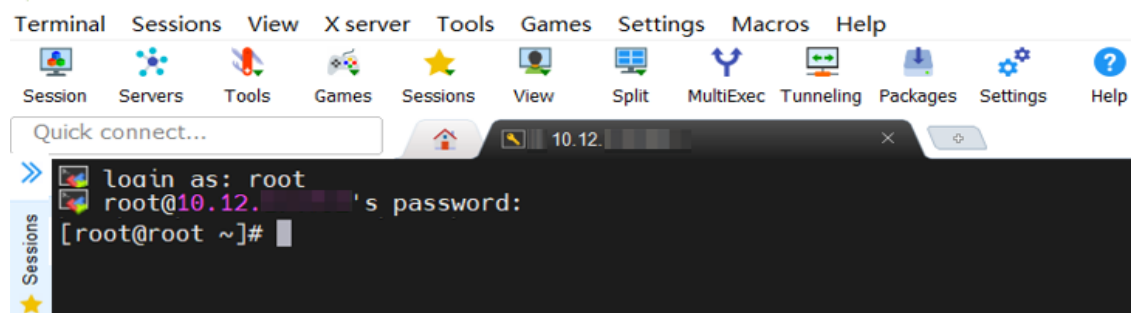
1. 下载 Active Health System Log Download CLI 工具
 - Windows 下载链接: [Active Health System Log Download CLI for Windows SmartComponent | HPE Support](#)
 - Linux 下载链接: [适用于 Linux 的活动状态系统\(AHS\)日志下载 CLI | HPE Support](#)
2. Windows 系统下载 iLO Channel Interface 驱动
 - iLO 4 Channel Interface Driver for Windows Server 2016 and Server 2019:
[iLO 4 Channel Interface Driver for Windows Server 2016 and Server 2019 | HPE Support](#)
 - iLO 4 Channel Interface Driver for Windows Server 2012 and Server 2012 R2:
[iLO 4 Channel Interface Driver for Windows Server 2012 and Server 2012 R2 | HPE Support](#)
 - iLO 4 Channel Interface Driver for Windows Server 2008:
[Windows Server 2008 至 Server 2012 R2 版 iLO 3/4 信道接口驱动程序 | HPE Support](#)
3. 连接 iLO 与启用远程控制台
具体方法请参考: <https://zhiliao.h3c.com/Theme/details/216337>

三. 操作步骤

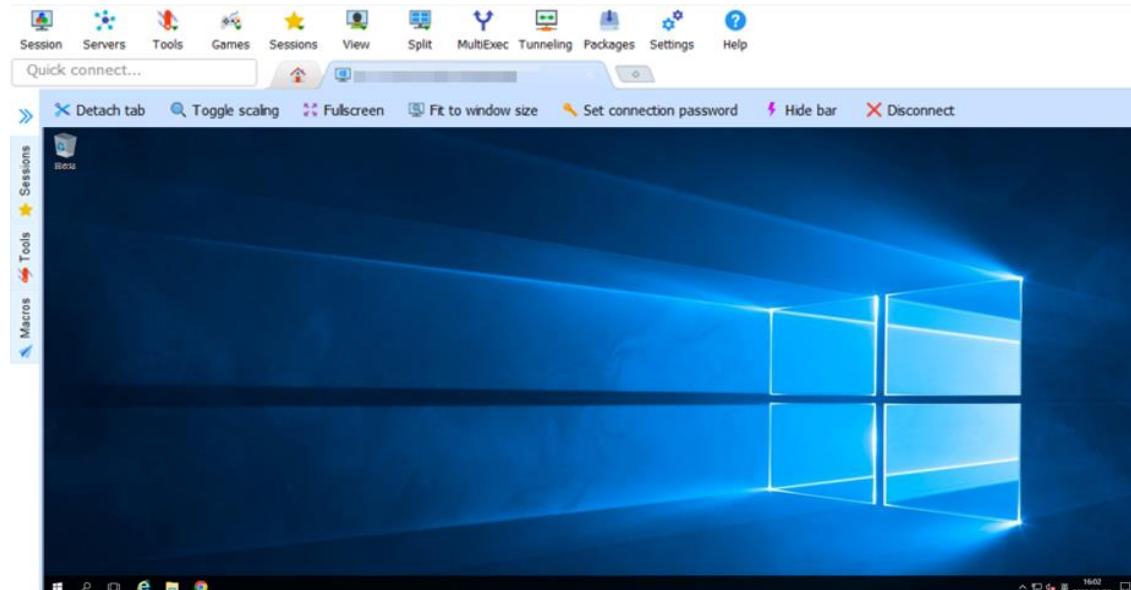
1. 访问系统
 - 1.1 通过 iLO 启用远程控制台访问系统 (Windows Server, Linux)
iLO 4 页面 Information -> Overview 的 Integrated Remote Console 选项，或页面左侧 Remote Console 导航可启用远程控制台。本文以 HTML5 远程控制台为例。



1.2 通过第三方 SSH 工具访问系统 (Linux)



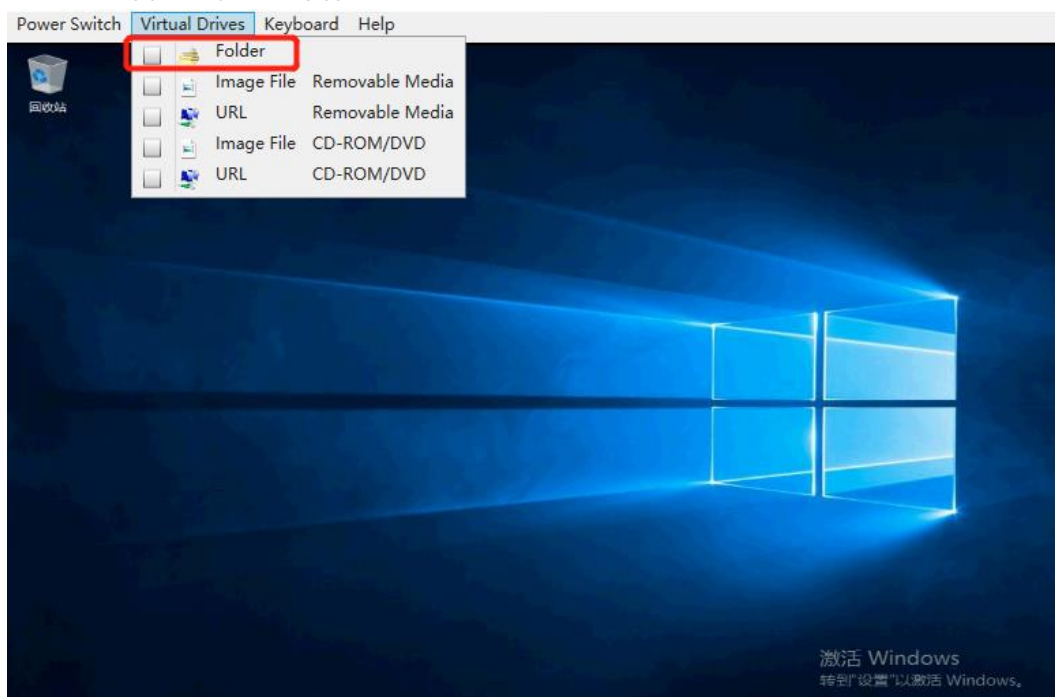
1.3 通过远程桌面或第三方 RDP 工具访问系统 (Windows Server)



2. 将 AHSdownload 工具保存到系统下

2.1 Windows Server

2.1.1 通过 iLO 启用远程控制台将工具挂载到系统下

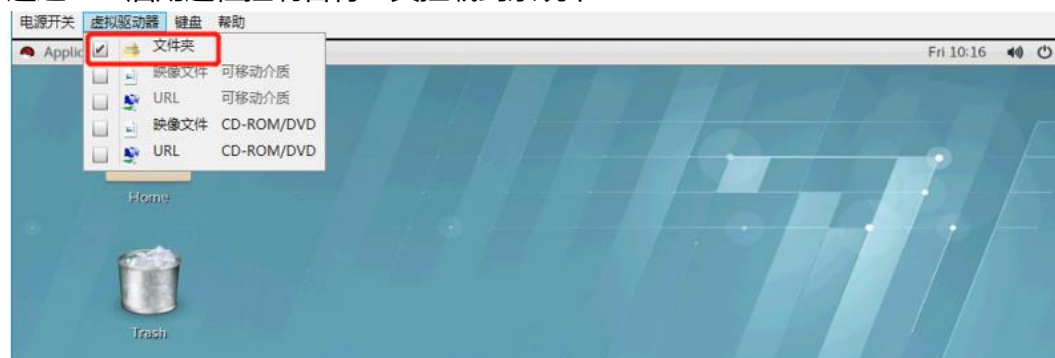


2.1.2 通过 U 盘将文件挂载到系统下

U 盘接入服务器后，在系统下直接访问挂载点。

2.2 Linux

2.2.1 通过 iLO 启用远程控制台将工具挂载到系统下



```
[root@localhost test]# lsblk -l
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
sda          8:0    0   1.1T  0 disk
sda1         8:1    0   200M  0 part /boot/efi
sda2         8:2    0    1G   0 part /boot
sda3         8:3    0   1.1T  0 part
centos-root 253:0    0   50G   0 lvm /
centos-swap 253:1    0    4G   0 lvm [SWAP]
centos-home 253:2    0    1T   0 lvm /home
sdc          8:32    0   2.2T  0 disk
sdc1         8:33    0    4M   0 part
sdc2         8:34    0    4G   0 part
sdc3         8:35    0   2.2T  0 part
sdc5         8:37    0   250M  0 part
sdc6         8:38    0   250M  0 part
sdc7         8:39    0   110M  0 part
sdc8         8:40    0   286M  0 part
sdc9         8:41    0    2.5G  0 part
sdd          8:48    1    16M   1 disk /run/media/test/iLO FOLDER
pmem0       259:6    0  248.1G  0 disk
pmem1       259:0    0   252G  0 disk
pmem1p1     259:1    0   252G  0 part
pmem2       259:2    0   252G  0 disk
pmem2p1     259:3    0   252G  0 part
pmem3       259:4    0   252G  0 disk
pmem3p1     259:5    0   252G  0 part

[root@localhost test]# mkdir /mnt/cdrom
[root@localhost test]# mount /dev/sdd /mnt/cdrom
mount: /dev/sdd is write-protected, mounting read-only
[root@localhost test]# cd /mnt/cdrom
[root@localhost cdrom]# ls
AHSdownload-2.2.0-5.x86_64.rpm
```

2.2.2 通过 U 盘将文件挂载到系统下

U 盘接入服务器后，在系统下通过 mount 命令挂载。

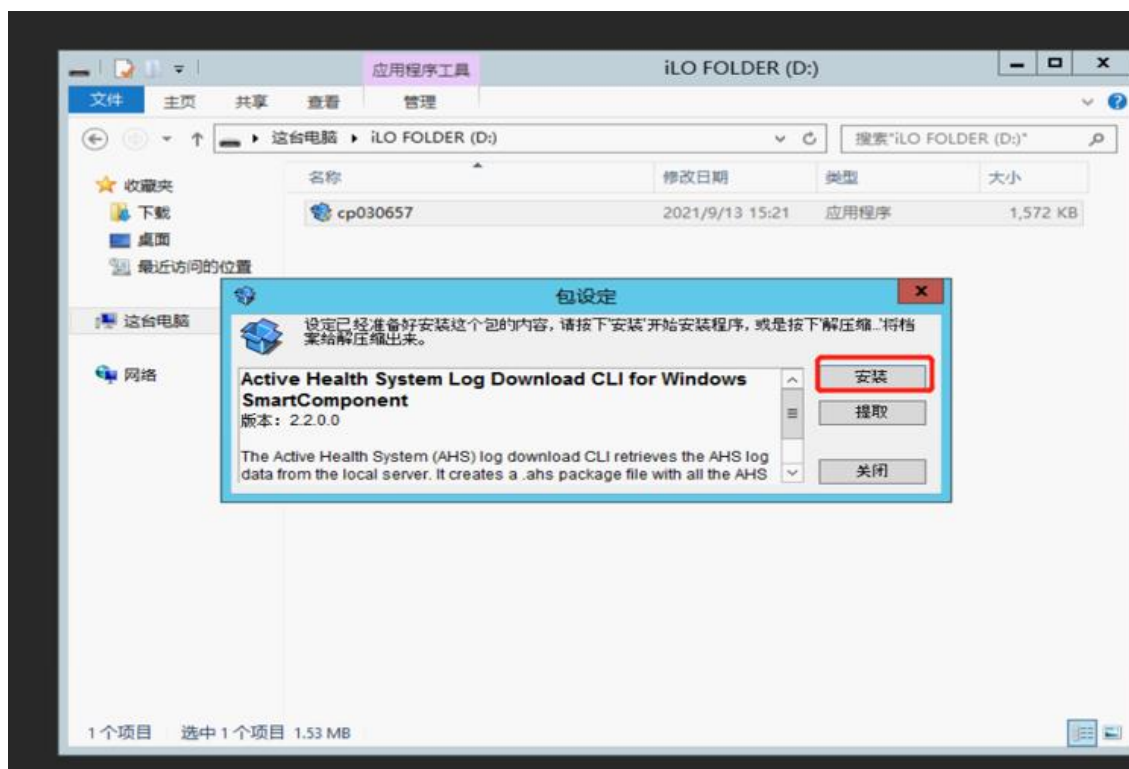
2.2.3 通过第三方 SSH 工具将文件保存到系统下

参考第三方工具使用说明。

3. 安装 AHSdownload

3.1 Windows Server

系统下双击 AHSdownload CLI 安装包，点击安装。



3.2 Linux

执行 `rpm -ivh <rpm file>` 命令安装工具。

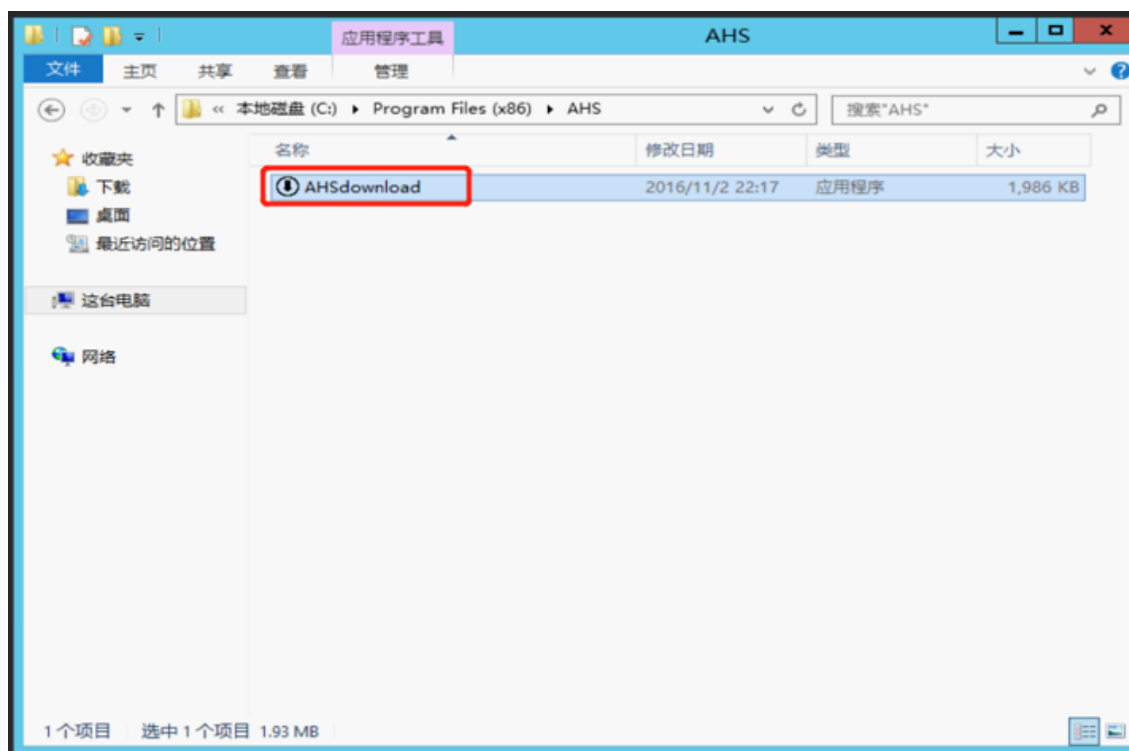
```
[root@localhost ahsdownload]# rpm -ivh AHSdownload-2.2.0-5.x86_64.rpm
warning: AHSdownload-2.2.0-5.x86_64.rpm: Header V3 RSA/SHA256 Signature, key ID
26c2b797: NOKEY
Preparing...                               [100%]
Updating / installing...
 1:AHSdownload-2.2.0-5                       [100%]
```

4. 收集 AHS 日志

4.1 Windows Server

在默认安装路径下找到 AHSdownload, 以管理员权限执行, 默认路径下会自动生成.ahs 后缀的日志文件。

C:\program files(x86)\Hewlett Packard Enterprise\ActiveHealthSystem



4.2 Linux

- 1) 先进入 AHSdownload 安装位置，执行如下命令收集日志。

./AHSdownload -a -d /tmp (/tmp 指的是日志存放目录)

```

root@localhost: /opt/ahs/AHSdownload
[root@localhost ~]# cd /opt/ahs/AHSdownload
[root@localhost ~]# ls
AHSdownload README
[root@localhost ~]# ./AHSdownload -a -d /tmp

AHS CLI Linux download version=2.2.0

0%...0%...0%...0%...0%...0%...0%...0%...0%...0%...0%...0%...1%...1%...2%...
.2%...3%...3%...4%...4%...5%...5%...6%...6%...7%...7%...7%...8%...8%...9%...9%...
.10%...10%...11%...11%...12%...12%...13%...13%...14%...14%...15%...15%...16%...
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...74%...74%...74%...74%...74%...74%...75%...75%...75%...75%...75%...75%...75

```

- 2) 收集好后可得到一个后缀名为.ahs 格式的日志文件。

```
.79%...79%...80%...80%...80%...80%...80%...80%...80%...80%...81%...81%...81%...  
81%...81%...81%...81%...81%...81%...81%...81%...81%...81%...81%...81%...8  
1%...82%...82%...82%...82%...82%...82%...82%...82%...82%...82%...82%...83  
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9%...99%...99%...99%...99%...100%  
  
Successfully created the AHS file with name: /tmp/HP_6gT7oE_y_20211118.ahs  
[root@localhost AHSdownload]# cd /tmp  
[root@localhost tmp]# ls  
HP_6gT7oE_y_20211118.ahs systemd-private-e12ae66fc45542adb9dd2f14adca6b78-chrond.service-6gT7oE  
ks-script-0qZVAt yum.log  
[root@localhost tmp]#
```