

关于AirRecorder的使用

如何使用AirRecorder进行信息收集

AirRecorder是Aruba的一个内部工具，可自动周期性地在controller上执行命令，收集信息。使用方法请参考：

1. 准备一台笔记本电脑，Windows/MacOS均可。先在系统上安装java运行环境，如果在命令行能成功运行java -version命令，表示运行环境安装成功。
2. 然后到<https://asp.arubanetworks.com/downloads;fileContents=Tools>下载AirRecorder的最新版本，并完成解压缩。
3. 然后将附件commands.txt文件复制到在“AirRecorder-<version>-release.jar”文件的相同目录下。
4. 打开一个命令行窗口，进入“AirRecorder-<version>-release.jar”文件所在路径，执行命令：
java -jar AirRecorder-<version>-release.jar <controller-ip>，然后根据提示输入controller的用户名密码以及enable密码。
5. 窗口中程序将开始持续执行脚本命令，输出文件将被放在相同目录下。
6. 当收集信息完成后，使用ctrl+c可终止窗口中的脚本运行。
7. 注意在脚本执行过程中不要关闭窗口，请将电脑设置为不自动进入待机休眠。

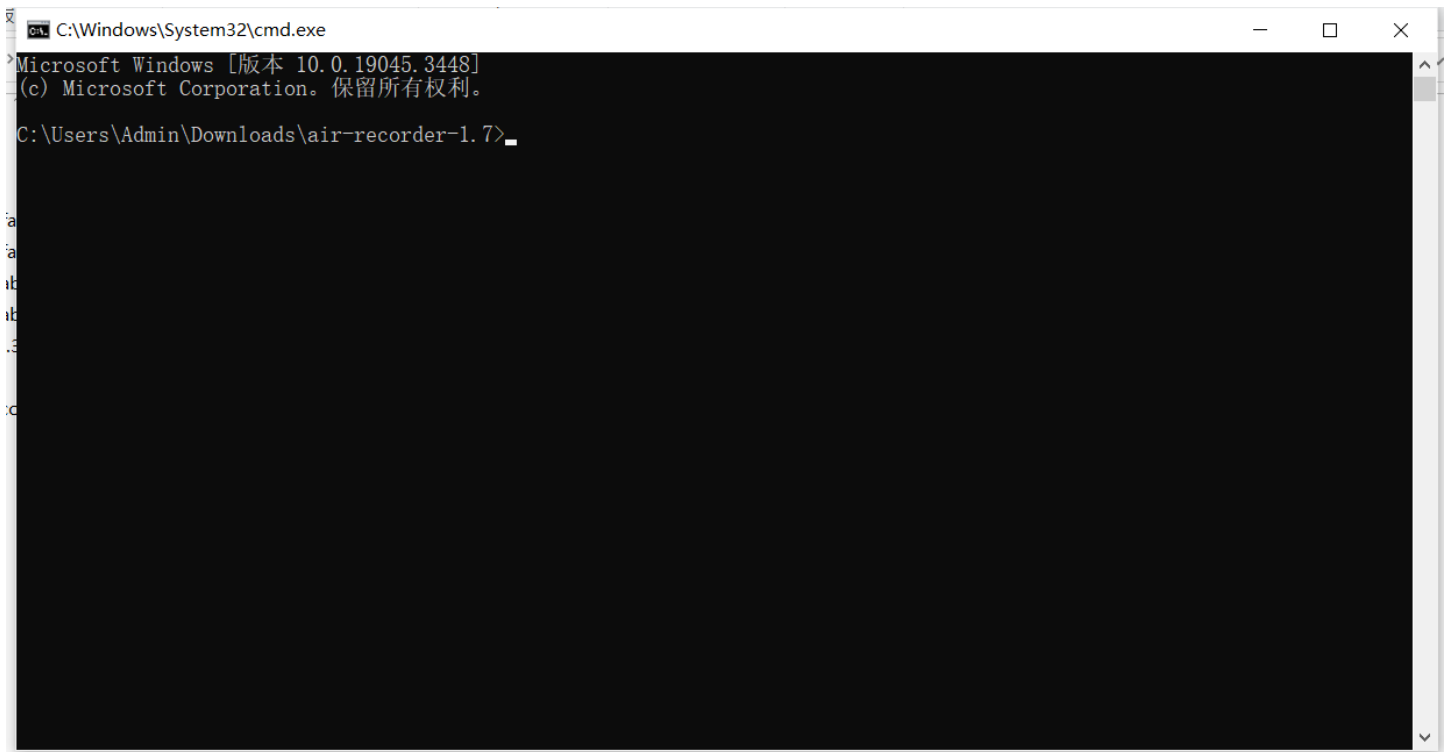


Tips: 关于运行AirRecorder可以直接在文件目录上输入cmd，即可将运行命令为

```
java -jar AirRecorder-<version>-release.jar <controller-ip>
```

可以查看如下截图






```
C:\Windows\System32\cmd.exe
Microsoft Windows [版本 10.0.19045.3448]
(c) Microsoft Corporation. 保留所有权利。

C:\Users\Admin\Downloads\air-recorder-1.7>
```


关于AirRecorder的延伸使用

以下是可用的变量参数，

 例如想要收集所有AP的crash描述信息可以使用：

```
0,show ap debug crash-info ap-name %{ap:name}
```

在commands.txt 文件中写上这行命令即可

 如需指定部分AP的name用于命令的输出：

可以在placeholders.txt文件添加name用作与变量的赋值

```
placeholders.txt - 记事本
文件(E) 编辑(E) 格式(O) 查看(V) 帮助(H)
--placeholders <placeholders-sample.txt>
apname=AP4,AP5,AP6
```

第 3 行, 第 1 列 100% Windows (CRLF) UTF-8



在commands.txt 文件中使用`${apname}`来引用值

例如 `0,show ap debug crash-info ap-name ${apname}`



`%{ap}` => "show ap active" table, all columns

`%{ap:name}` => all AP names as listed by "show ap active", column Name

`%{ap:group}` => all AP group names as listed by "show ap active", column Group

`%{apdb}` => "show ap database long" table, all columns

`%{apdb:name}` = all AP names as listed by "show ap database long", column Name

`%{apdb:group}` = all AP group names as listed by "show ap database long", column Group

`%{apdb:wiredmac}` = all AP wired MAC addresses as listed by "show ap database long", column Wired MAC Address

`%{apdb:aptype}` = all AP types as listed by "show ap database long", column AP Type

`%{ap-group:name}` => all AP group names as listed by "show ap-group", column Name

`%{user}` => "show user-table" table, all columns

`%{user:ip}` => all IP addresses as listed by "show user-table", column IP

`%{user:mac}` => all MAC addresses as listed by "show user-table", column MAC

`%{user:name}` => all user names as listed by "show user-table", column Name

`%{time:hhmm}` => outputs current controller time as hours:minutes (i.e. 10:42)

`%{time:mmmdd}` => outputs current controller time as month day (i.e. Jun 19)

`%{jexl:return}` => return values from a JEXL script execution. Please refer to the section "SCRIPTING" for more information.

`%{@<named variable>}` => all columns of <named variable>.

`%{@NULL}` => an always empty variable. `%{@NULL}` will always evaluate and therefore execute all associated data processors.

`%{@SELF:SYS}` => a system named variable that holds information from the connected system. Available columns are:

- "NAME" - hostname ("show switchinfo")
- "MAC" - base MAC address ("show switchinfo")
- "ROLE" - system role ("show switchinfo")
- "IP" - system IP ("show controller-ip")
- "VLAN" - system VLAN ("show controller-ip")

Caveat: variable is only available for AOS.

`%{@SELF:IP}` => a system named variable that holds information from the connected system IPv4 interfaces. Available columns are:

- "INTERFACE" - interface ("show ip interface brief")
- "ADDRESS" - IP address ("show ip interface brief")
- "NETMASK" - IP netmask ("show ip interface brief")
- "ADMIN" - admin. status ("show ip interface brief")
- "PROTOCOL" - protocol status ("show ip interface brief")

Caveat: variable is only available for AOS.

[其他的延伸使用可见AirRecorder文件目录里的HOWTO.txt](#)