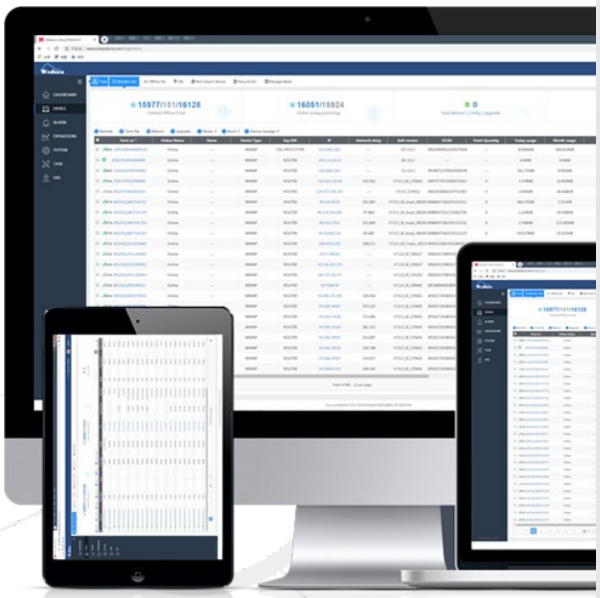
Connecting things
Hongdian

Operation And Maintenance Manual
Wedora Management Platform v1.8.0



Foreword

Overview

The Wedora Management Platform is a platform designed for all device management and access in Hongdian. It currently supports router and DTU access and management. By reading this document, you can learn about the operation and maintenance management of the product.

Revision History

Updates between document versions are cumulative. Therefore, the latest document version contains all updates made to previous versions.

version	Author	Participant	Start and end date	Remarks
V0.0.1	Wan Jiangwen	Bloomberg	2018-10-25~ 2018-12-28	release version
V0.0.2	Xie Shang		2019-01-03	Format and content modification

Reader object

This document is intended for the following readers:

- After-sales engineer
- Technical support engineer
- Terminal customer

If you are running the product for the first time, we recommend that you read this document from the beginning.

If you know or have used this product or a similar product made by another company, we recommend that you read the chapters you want to know through the document structure navigation.

Brief Introduction

This document describes the operation and maintenance of the cloud management platform.

Chapter	Content
1 service installation	This section introduces you to the service installation components of the Wedora management platform, services startup and running services.
2 Configuration	This section introduces you to the port configuration

Chapter	Content
Management	changes involved in the Wedora management platform.
3 log management	This section introduces you to the Wedora management platform log query method.
4 Frequently Asked Questions	This section introduces you to the common problems in the operation and maintenance process of the Wedora management platform.

Modify record

The revision history accumulates a description of each document update. The latest version of the documentation contains updates to all previous document versions.

Issue 01 (2018-12-28)

The manual was first released for the Wedora 1.8.0 management platform.

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1 Service Installation

About this chapter

Chapter	brief introduction
1.1 Overview	This section gives you a brief introduction to the Wedora Management Platform service installation.
1.2 Service Deployment	This section shows you which services are deployed on the platform and the service installation path.

1.1 Overview

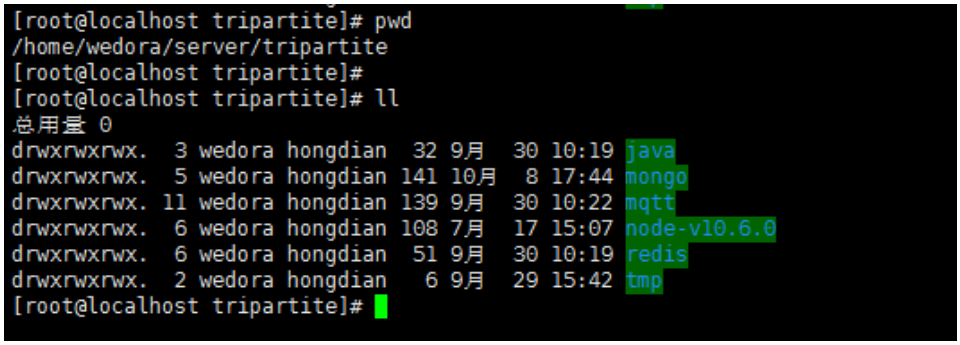
Wedora management platform is based on our original integrated network management platform based on distributed cloud platform system, it is mainly used for remote maintenance management of our products, to achieve nested management and business data management of the lower computer, currently Wedora management Platform V1.0.0 supports access and management of routers and DTUs.

1.2 Service installation location

Serial number	Service	Directory location	Configuration file (path)
Platform side service			
1)	Wedora_server	/home/wedora/server/wedora_server	.../wedora_server/config/config.json
2)	Front machine wmmp	/home/wedora/server	.../fep_wmmp/apps.xml
3)	Front machine	/home/wedora/server	.../fep_mqtt/apps.xml

	mqtt		
4)	Wse 统计组件	/home/wedora/server	.../wse/config/application.yml
Third party service			
1)	Mysql DB	/usr/bin/mysql	/etc/my.cnf
2)	JDK	/home/wedora/server/tripartite	/etc/profice
3)	Redis	/home/wedora/server/tripartite	/home/wedora/server/conf/redis.conf
4)	Mong DB	/home/wedora/server/tripartite	/home/wedora/server/conf/mongodb.conf
5)	Node	/home/wedora/server/tripartite	.bashrc
6)	MQTT	/home/wedora/server/tripartite	/home/wedora/server/tripartite/mqtt/etc/emq.conf

① The installation path of the third-party service of this platform is as follows:



JAVA：Deployed JDK1.8 as the JAVA environment for running the platform
Mongo：Status database, data reporting status information of the storage device
Mqtt：Platform data message server
Redis：Data storage service

Note: The mysql database installed and installed in the platform is in the system default path. The command line mysql -uroot -psa can enter the Mysql database and query the configuration information stored on the platform.

② Under the platform-side service installation path:

```
[root@localhost server]# pwd
/home/wedora/server
[root@localhost server]# ll
总用量 2828
drwxrwxrwx. 2 wedora hongdian     142 9月   29 15:43 bin
drwxrwxrwx. 2 wedora hongdian      60 9月   30 10:20 conf
drwxrwxrwx. 3 wedora hongdian     161 9月   29 15:43 ext
drwxrwxrwx. 3 wedora hongdian     217 9月   30 10:22 fep_mqtt
drwxrwxrwx. 5 wedora hongdian     217 10月  15 09:56 fep_wmmp
-rw-r--r--. 1 wedora hongdian 2890112 10月  15 10:23 hd.log
drwxrwxrwx. 8 wedora hongdian      87 9月   30 10:19 tripartite
drwxr-xr-x. 9 wedora hongdian     218 10月  15 10:30 wedora_server
drwxr-xr-x. 9 wedora hongdian     218 10月  12 16:26 wedora_server_bak
-rwxrwxrwx. 1 wedora hongdian      15 9月   29 15:43 WEDORA_VERSION
drwxrwxrwx. 4 wedora hongdian      94 10月  15 10:33 wse
[root@localhost server]#
```

Bin directory: platform service start and stop script directory
Conf directory: platform configuration file directory
Ext directory: platform service initialization directory
Fep_mqtt directory: message service pre-directory
Fep_wmmp directory: the pre-directory of device and platform interaction messages
Wedora_server directory: platform service foreground data directory
Wse: system configuration parameters, and background statistics service program directory

1.3 Platform Service Process Check

Mysql database process check：

ps -auxf|grep mysql

```
[root@localhost wse]# ps -auxf|grep mysql
root     45834  0.0  0.0 112720   984 pts/4    S+   21:07   0:00  |       \_ grep --color=auto mysql
root      1270  0.0  0.0 115640   196 ?        S    10月19   0:00 /bin/sh /usr/bin/mysqld_safe --datadir=/var/lib/mysql --pid-file=/var/lib/mysql/localhost.localdomain.pid
mysql     1772  0.0  2.5 1905424 48260 ?       Sl   10月19   7:06  \_ /usr/sbin/mysqld --basedir=/usr --datadir=/var/lib/mysql --plugin-dir=/usr/lib64/mysql/plugin --user=mysql --log-error=/var/log/mysqld.log --pid-file=/var/lib/mysql/localhost.localdomain.pid --socket=/var/lib/mysql/mysql.sock
[root@localhost wse]#
```

Mongo database process check：

ps -auxf|grep mongo

```
[root@localhost ~]# ps -auxf|grep mongo
root     46567  0.0  0.0 112720   984 pts/4    S+   21:09   0:00  |       \_ grep --color=auto mongo
wedora    3338  0.4  2.1 375624 40800 ?        Sl   10月19  36:10 /home/wedora/server/tripartite/mongo/bin/mongod --config /home/wedora/server/conf/mongodb.conf --auth
[root@localhost ~]#
```

Redis process check：

ps -auxf|grep redis

```
[root@localhost ~]# ps -auxf|grep redis
root     47154  0.0  0.0 112720   984 pts/4    S+   21:11   0:00  |       \_ grep --color=auto redis
wedora    3369  0.0  0.0  37296  1288 ?        Ssl  10月19   4:19 /home/wedora/server/tripartite/redis/bin/redis-server 0.0.0.0:6379
[root@localhost ~]#
```

Front-end process check：

ps -auxf|grep fep

```
[root@localhost ~]# ps -auxf|grep fep
root     47338  0.0  0.0 112720   980 pts/4    S+   21:12   0:00  |       \_ grep --color=auto fep
wedora    3752  0.0  0.0   9688   728 ?        S    10月19   1:19 /bin/sh /home/wedora/server/fep_mqtt/fep_mqtt_startup.sh
wedora    3807  0.1  0.0 313240   540 ?        Ssl  10月19  17:45 /home/wedora/server/fep_mqtt/fep.mqtt fep -n fep.mqtt
wedora   39983  0.1  1.8 691048 34344 ?        Ssl  11:14   0:44 /home/wedora/server/fep_wmmp/fep.wmmp fep -n fep.wmmp
[root@localhost ~]#
```

JAVA Background service process check：

ps -auxf|grep java

1.4 Startup services and platforms

How to start the service after the installation is completed? How to use the platform? (The installation directory in this command demo is regarded as the default installation directory)
(1) One-click start service:
#cd /home/wedora/server/bin
#sh startup_wedora.sh

(2) One-click stop service:
#cd /home/wedora/server/bin
#sh shutdown_wedora.sh

(3) Platform use:
Access platform address in the browser:
Http://*Server IP*: 50107 [Login port customization, follow-up chapter introduction]

(4) Single service process restart:
Mysql:
Stop: #service mysql stop
Open: #service mysql start

Mongo:
Kill process: #ps -auxf|grep mongo
#kill -15 {PID}
Start: /home/wedora/server/tripartite/mongo/bin/mongod --config /home/wedora/server/conf/mongodb.conf --auth

Mqtt:
Stop: # /home/wedora/server/tripartite/mqtt/bin/emqttd stop
Start: # /home/wedora/server/tripartite/mqtt/bin/emqttd start

Fep_mqtt:
Stop: #sh /home/wedora/server/fep_mqtt/fep_mqtt_stop.sh
Start: # nohup sh /home/wedora/server/fep_mqtt/fep_mqtt_startup.sh &
Another: Overseas does not use this service

[Note]: The combination command of nohup & will output the current standard output to the nohup.out file of the current directory, and make the command run in the background and guard it to run. After hanging it, it will continue to pull it up.
Fep_wmmp：
Stop: #sh /home/wedora/server/fep_wmmp/fep_wmmp_stop.sh
Start: # nohup /home/wedora/server/fep_wmmp/fep_wmmp_startup.sh &

Front page:

The first time you start: pm2 start /home/wedora/server/wedora_server/bin/www --name="wedora"
Subsequent startup: pm2 restart wedora
View all currently launched: pm2 list
Stop: pm2 stop wedora {id}
[Note]: {id} can be obtained with the command pm2 list

Background statistics service (followed by the jar package):
Kill process: #ps -auxf|grep wedora-server-engine
#kill -9 {PID}
Start: #Enter the /wse directory under the service installation directory
【note! When the following command is executed, the log will be directly output in the current directory, so you need to execute it in the /wse directory.】
#nohup nohup java -jar -Xms2048m -Xmx4096m /home/wedora/server/wse/wedora-server-engine-1.0-SNAPSHOT.jar --spring.config.location=/home/wedora/server/wse/config/application.yml &

All services on the platform will be automatically started after the system restarts.

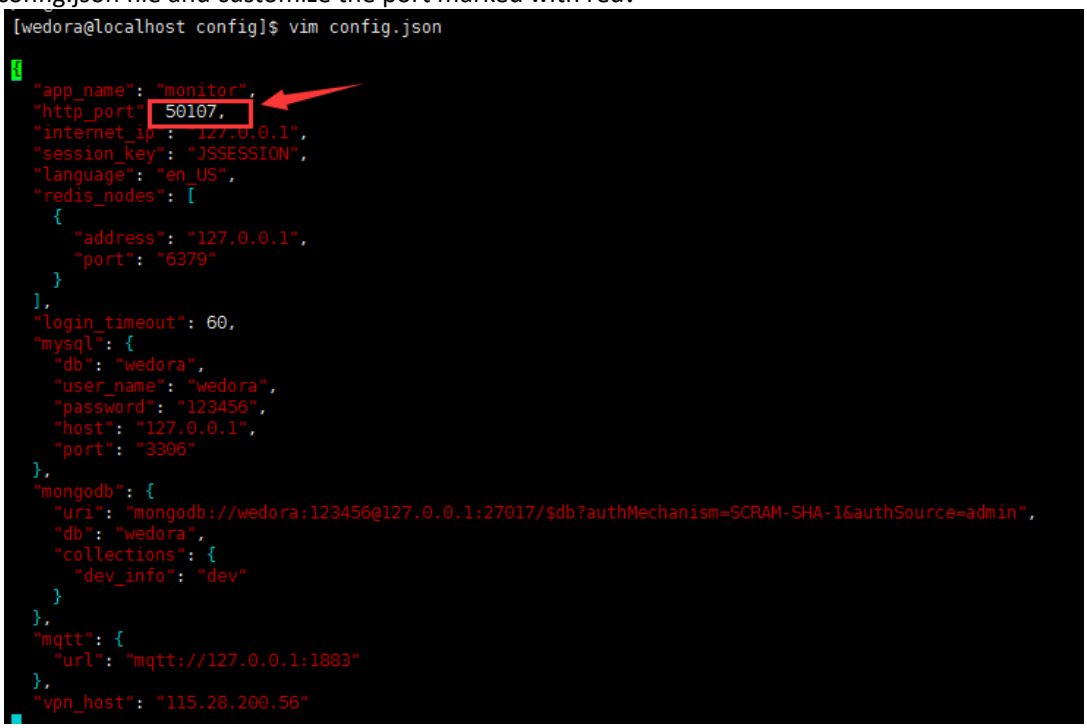
2 Configuration Management

About this chapter

This chapter describes the port-related configuration of the platform, including modification, viewing, and so on.

2.1 Platform Login Port Configuration

Directory /home/wedora/server/wedora_server/config,
Edit the config.json file and customize the port marked with red:



2.2 Device Online Port Configuration

Directory /home/wedora/server/fep_wmmp,

Edit the file apps.xml and modify the port marked with red：

```
<log-level>3</log-level>
    <comp-register>1001</comp-register>
    <host>
            <!-- 乾Q管滴~F佐~M置叠?纾D件 -->
   <comp name="fep.wmmp" type="exe" version="1.0">
                    <property-list>
                            <property name="TERM_SERVER_ADDRESS">UDP://0.0.0.0:41855</property>
                            <property name="TERM_UPGRADE_ADDRESS_LAN">TCP://127.0.0.1:41856</property>
                            <property name="TERM_UPGRADE_ADDRESS_WAN">TCP://127.0.0.1:41856</property>
                            <property name="MQTT_SERVER_ADDR">127.0.0.1</property>
                            <property name="MQTT_SERVER_PORT">1883</property>
                            <property name="MQTT_USERNAME"></property>
                            <property name="MQTT_USERPWD"></property>
                            <property name="MQTT_QOS">0</property>
                            <property name="MQTT_KEEPALIVE">60</property>
                            <property name="MQTT_AUTHFILE"></property>
                            <property name="DEVICE_TIMEOUT">90</property>
                            <property name="CMD_TIMEOUT">30</property>
                            <property name="RESEND_TIME">3</property>
                            <property name="UPGRADE_TIMEOUT">180</property>
                            <property name="TERM_MODEL_ID">1</property>
                            <property name="TERM_TYPE_ID">1</property>
                            <property name="UPGRADE_PATH"></property>
                    </property-list>
                    <messages bus="ithings-bus">
                            <connect all="true"/>
                            <!--□ Z彼i订輥~E-->
                            <subscribe>
                                    <topic></topic>
                            </subscribe>
                    </messages>
```

3 Platform data backup

3.1 Backup time

00:30 daily backup

3.2 Backing up the database

1) MongoDB Dev table data
2) 2) Mysql full script

3.3 Backup location

Under the backup folder in the installation directory, the default is /home/wedora/server/backup

```
[root@localhost ~]# cd /home/wedora/server/
[root@localhost server]# ll
total 4
drwxr-xr-x. 4 root root  32 Nov 20 00:30 backup
drwxrwxrwx. 2 1001 1001  93 Nov 19 19:19 bin
drwxrwxrwx. 2 1001 1001  44 Nov 19 16:57 conf
drwxrwxrwx. 2 1001 1001 172 Nov 16 16:35 ext
drwxrwxrwx. 4 1001 1001 205 Nov 19 17:18 fep_wmmp
drwxrwxrwx. 7 1001 1001  75 Nov 19 16:57 tripartite
drwxrwxrwx. 9 1001 1001 223 Nov 16 16:35 wedora_server
-rwxrwxrwx. 1 1001 1001  15 Nov 16 16:35 WEDORA_VERSION
drwxrwxrwx. 4 1001 1001  94 Nov 19 17:16 wse
[root@localhost server]#
```

By default, only the last 7 days of data will be stored, and the timed backup data will be deleted.

4 Log Management

About this chapter

This chapter will provide an overview of the logs related to the use of the platform to assist with troubleshooting. (The installation path is considered the default path)

4.1 Device Online Log

Log file path: /home/wedora/server/fep_wmmp/log,
View the file hd.log, which shows the content of the report information during the online process of each device.:

```
2018-10-24 15:31:42    INFO HD_WMMP  device hongdian00000003 heart beat
2018-10-24 15:31:42    INFO mqtt     Fep Publish topic name /devTrap/fep.wmmp, content
 {
        "source":       "fep.wmmp",
        "devSn":        "hongdian00000003",
        "sim1UpFlow":   100,
        "sim1DownFlow": 100,
        "simType":      "sim-1",
        "iccid":        "sim1_ic00000003",
        "cellName":     "62041",
        "lacName":      "34860",
        "imsi": "ongdian00000003",
        "meid": "ongdian00000003",
        "signal":       24,
        "networkType":  "LTE",
        "latency":      15,
        "packetLoss":   15,
        "ip":   "172.16.22.124",
        "port": 60248
}
2018-10-24 15:31:42    INFO HD_WMMP  device hongdian00000004 heart beat
2018-10-24 15:31:42    INFO mqtt     Fep Publish topic name /devTrap/fep.wmmp, content
 {
        "source":       "fep.wmmp",
        "devSn":        "hongdian00000004",
        "sim1UpFlow":   100,
        "sim1DownFlow": 100,
        "simType":      "sim-1",
        "iccid":        "sim1_ic00000004",
        "cellName":     "62041",
        "lacName":      "34860",
        "imsi": "ongdian00000004",
        "meid": "ongdian00000004",
        "signal":       3,
        "networkType":  "WCDMA",
        "latency":      15,
        "packetLoss":   15,
        "ip":   "172.16.22.124",
        "port": 60249
}
```

4.2 Platform Statistics Service Log

Log file path:
1. /home/wedora/server/wse/nohup.out (all logs)

2、/home/wedora/server/wse/log/app.log 、/error.log)

```
[wedora@localhost fep_wmmp]$ tail -f ../wse/nohup.out
{OnlineTimeProcess=0, DevOfflineTask=0, NetSwitchProcess=0, CellSwitchProcess=0, DevInfoUpdateTask=0, ModemProcess=0, HourSignalProcess=0, ProcessTopicComponent=0, Log
=0, AroundNetProcess=0, HourFlowProcess=0, NetStatusProcess=0}
2018-10-03 22:31:36.752 INFO  com.ithings.wedora.thread.TaskSendScanThread Line:27  - Need Executed Task Size is 0
=2018-10-03 22:31:55,832 INFO  [ObserverDataSizeThread] thread.ObserverDataSizeThread (ObserverDataSizeThread.java:34)     - ?????????????:
{OnlineTimeProcess=0, DevOfflineTask=0, NetSwitchProcess=0, CellSwitchProcess=0, DevInfoUpdateTask=0, ModemProcess=0, HourSignalProcess=0, ProcessTopicComponent=0, Log
=0, AroundNetProcess=0, HourFlowProcess=0, NetStatusProcess=0}
2018-10-03 22:32:07.024 INFO  com.ithings.wedora.thread.TaskSendScanThread Line:27  - Need Executed Task Size is 0
=2018-10-03 22:32:25,894 INFO  [ObserverDataSizeThread] thread.ObserverDataSizeThread (ObserverDataSizeThread.java:34)     - ?????????????:
{OnlineTimeProcess=0, DevOfflineTask=0, NetSwitchProcess=0, CellSwitchProcess=0, DevInfoUpdateTask=0, ModemProcess=0, HourSignalProcess=0, ProcessTopicComponent=0, Log
=0, AroundNetProcess=0, HourFlowProcess=0, NetStatusProcess=0}
2018-10-03 22:32:37.231 INFO  com.ithings.wedora.thread.TaskSendScanThread Line:27  - Need Executed Task Size is 0
=2018-10-03 22:32:55,921 INFO  [ObserverDataSizeThread] thread.ObserverDataSizeThread (ObserverDataSizeThread.java:34)     - ?????????????:
{OnlineTimeProcess=0, DevOfflineTask=0, NetSwitchProcess=0, CellSwitchProcess=0, DevInfoUpdateTask=0, ModemProcess=0, HourSignalProcess=0, ProcessTopicComponent=0, Log
=0, AroundNetProcess=0, HourFlowProcess=0, NetStatusProcess=0}
2018-10-03 22:33:07.364 INFO  com.ithings.wedora.thread.TaskSendScanThread Line:27  - Need Executed Task Size is 0
```

4.3 Platform Service Log

Wedora's log view method during the running process:
Execute pm2 show wedora under wedora permissions:

```
[wedora@localhost logs]$ pm2 show wedora
 Describing process with id 0 - name wedora

 status                online
 name                  wedora
 version               0.0.0
 restarts              413
 uptime                50m
 script path           /home/wedora/server/wedora_server/bin/www
 script args           N/A
 error log path        /home/wedora/server/wedora_server/node_modules/pm2/logs/wedora-error.log
 out log path          /home/wedora/server/wedora_server/node_modules/pm2/logs/wedora-out.log
 pid path              /home/wedora/server/wedora_server/node_modules/pm2/pids/wedora-0.pid
 interpreter           node
 interpreter args      N/A
 script id             0
 exec cwd              /home/wedora/server/wedora_server
 exec mode             fork_mode
 node.js version       10.6.0
 node env              N/A
 watch & reload        ✘
 unstable restarts     0
 created at            2018-10-25T14:51:02.972Z
```

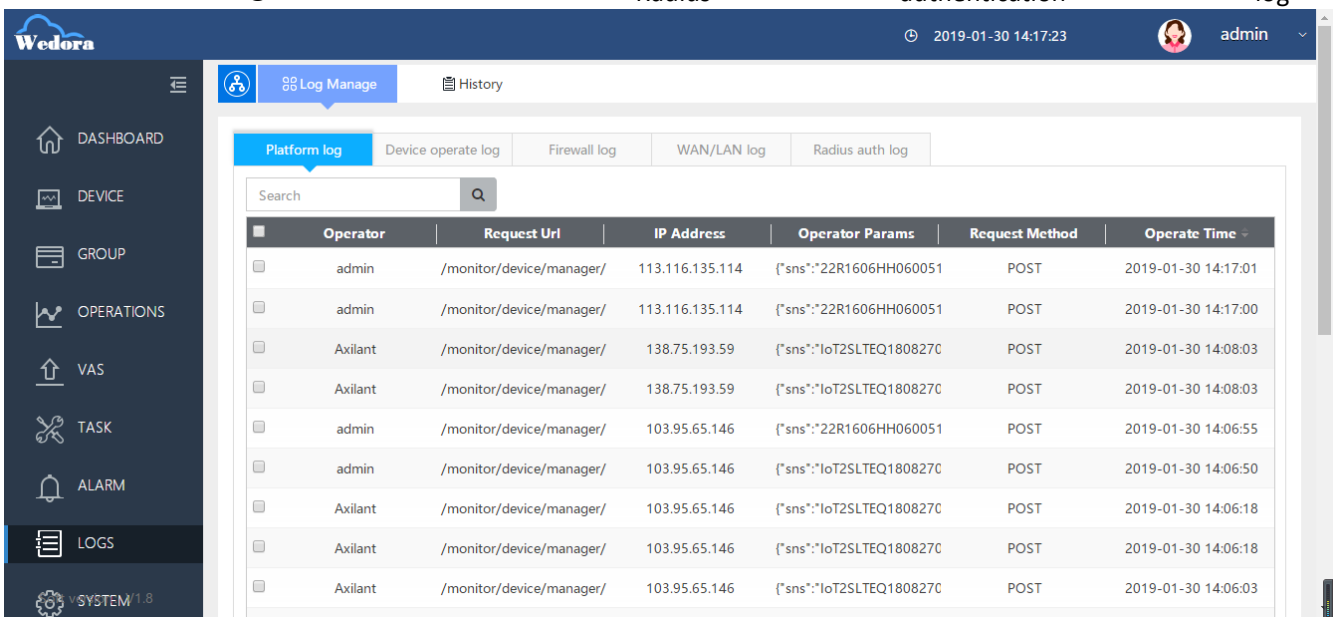
The reded out path file can view the error log information of the platform service:
Enter tail -f /home/wedora/server/wedora_server/node_modules/pm2/logs/wedora-error.log

```
[wedora@localhost logs]$ tail -f /home/wedora/server/wedora_server/node_modules/pm2/logs/wedora-error.log
    at tryModuleLoad (internal/modules/cjs/loader.js:538:12)
    at Function.Module._load (internal/modules/cjs/loader.js:530:3)
    at Module.require (internal/modules/cjs/loader.js:637:17)
    at require (internal/modules/cjs/helpers.js:20:18)
    at Object.<anonymous> (/home/wedora/server/wedora_server/apps/device/controller/ctrl-controller.js:12:22)
    at Module._compile (internal/modules/cjs/loader.js:689:30)
Thu, 25 Oct 2018 14:46:24 GMT sequelize deprecated String based operators are now deprecated. Please use Symbol based operators for better security, read more at http://docs.sequelizejs.com/manual/tuto
rial/querying.html#operators at node_modules/sequelize/lib/sequelize.js:237:13
Thu, 25 Oct 2018 14:47:04 GMT sequelize deprecated String based operators are now deprecated. Please use Symbol based operators for better security, read more at http://docs.sequelizejs.com/manual/tuto
rial/querying.html#operators at node_modules/sequelize/lib/sequelize.js:237:13
Thu, 25 Oct 2018 14:48:19 GMT sequelize deprecated String based operators are now deprecated. Please use Symbol based operators for better security, read more at http://docs.sequelizejs.com/manual/tuto
rial/querying.html#operators at node_modules/sequelize/lib/sequelize.js:237:13
Thu, 25 Oct 2018 14:51:05 GMT sequelize deprecated String based operators are now deprecated. Please use Symbol based operators for better security, read more at http://docs.sequelizejs.com/manual/tuto
rial/querying.html#operators at node_modules/sequelize/lib/sequelize.js:237:13
```

4.4 Operation and business log

In the system login page, enter [System Management] - [Log Management], you can view the following logs separately:

- Platform operation log
- Device operation log
- Device firewall log
- Device WAN/LAN log
- Radius authentication log



5 FAQ

About this chapter

This chapter will introduce the treatment of common problems in the platform operation and maintenance process.

5.1 Page Problem

1） The login page is displayed, but the login fails: Check whether redis is successfully started, and the password corresponds.

2） After login, the page displays blank: whether the database is imported correctly, and the configuration under /wedora_server corresponds.

3） After logging in, the page button or menu bar is not displayed properly: the database import is incorrect.

4） The service check is normal, but the page cannot be accessed: check the port development and release the access port in the firewall.

5） There is a problem with the page data display: check whether the jar package and the front-end machine report an error, whether the database is normally open and connected.

5.2 The device is not online

1） There is no device information in the database: check whether the front-end machine and the configuration are correct. Check whether the front-end machine log has the online protocol package of the corresponding device.

2） The device display cannot be connected: check whether the port is open and whether the port can be connected normally.

3） Whether the configuration file corresponds to the current requirement: whether the front-end port is correct, whether the configuration in the jar package is correct, corresponding to the current server settings.

5.3 Error when installing mysql

Lack of dependencies: for example

```
[root@WEB02 mysql]# rpm -ivh MySQL-client-5.5.39-2.rhel5.x86_64.rpm
 error: Failed dependencies:
        libc.so.6()(64bit) is needed by MySQL-client-5.5.39-2.rhel5.x86_64
        libc.so.6(GLIBC_2.2.5)(64bit) is needed by MySQL-client-5.5.39-2.rhel5.x86_64
        libc.so.6(GLIBC_2.3)(64bit) is needed by MySQL-client-5.5.39-2.rhel5.x86_64
        libc.so.6(GLIBC_2.3.4)(64bit) is needed by MySQL-client-5.5.39-2.rhel5.x86_64
        libc.so.6(GLIBC_2.4)(64bit) is needed by MySQL-client-5.5.39-2.rhel5.x86_64
        libdl.so.2()(64bit) is needed by MySQL-client-5.5.39-2.rhel5.x86_64
        libdl.so.2(GLIBC_2.2.5)(64bit) is needed by MySQL-client-5.5.39-2.rhel5.x86_64
        libm.so.6()(64bit) is needed by MySQL-client-5.5.39-2.rhel5.x86_64
        libm.so.6(GLIBC_2.2.5)(64bit) is needed by MySQL-client-5.5.39-2.rhel5.x86_64
        libncurses.so.5()(64bit) is needed by MySQL-client-5.5.39-2.rhel5.x86_64
        libpthread.so.0()(64bit) is needed by MySQL-client-5.5.39-2.rhel5.x86_64
        libpthread.so.0(GLIBC_2.2.5)(64bit) is needed by MySQL-client-5.5.39-2.rhel5.x86_64
        libpthread.so.0(GLIBC_2.3.2)(64bit) is needed by MySQL-client-5.5.39-2.rhel5.x86_64
        librt.so.1()(64bit) is needed by MySQL-client-5.5.39-2.rhel5.x86_64
        librt.so.1(GLIBC_2.2.5)(64bit) is needed by MySQL-client-5.5.39-2.rhel5.x86_64
```

Install your missing dependencies.Because of the inconsistency of the on-site environment, the lack of things may also be different. In the case that you can connect to the external network, you can use yum installation directly. In general, you can find the corresponding dependencies by posting the error of missing

dependencies into the search engine. Package name

Startup failure: There are many reasons for mysql startup failure. The more common reasons are as follows:

1. Starting MySQL... ERROR! The server quit without updating PID file(/opt/mysql-master/data/mysql.pid)

a. May be /opt/mysql-master/data/data directory mysql user does not have permission (modify data directory permissions) Solution: Give permission to execute "chown -R mysql.mysql /opt/mysql-master/data" and then Restart mysqld

b. The mysql process already exists in the process.

Solution: Use the command "ps -ef|grep mysqld" to check if there is a mysqld process, if you kill with "kill-15 process number", then restart mysqld !

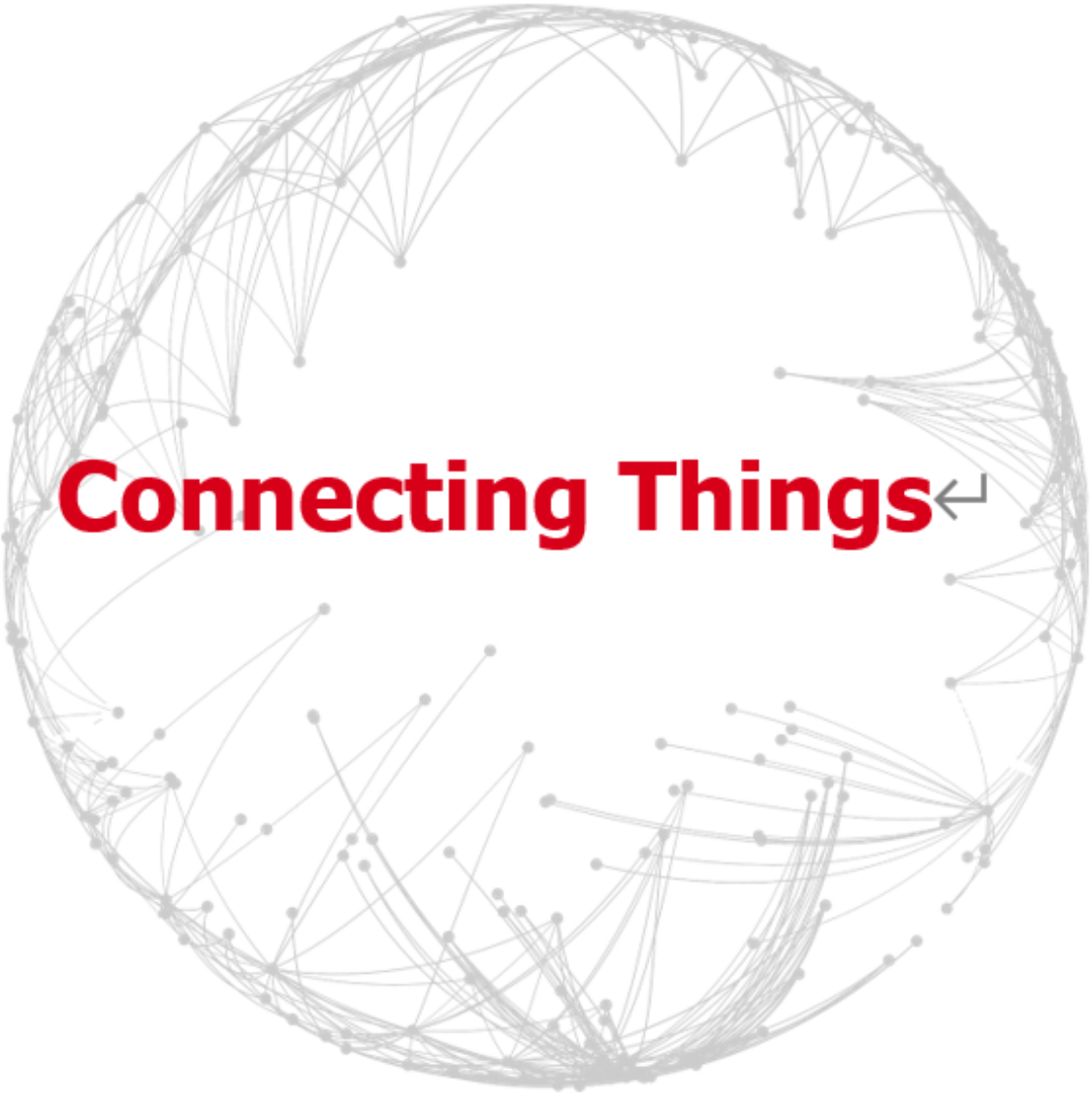
c. At this time, there may be a residue of the last installation of mysql on the server, which needs to be manually checked, such as mysql-binlog.index

Selinux trouble, if it is centos system, it will open selinux by default

2. ERROR 2002 (HY000): Can't connect to local MySQL server through socket '/var/run/mysqld/mysqld.sock' (2)

This problem may have two options, one is mysql.sock exists, but the configuration path is wrong, under normal circumstances mysql.sock is located in mysql/tmp, the configuration file is mysql/etc/my.cnf.

The other is that mysql.sock does not exist. If it does not exist, run mysql/bin/mysql_install_db and mysql/bin/mysqld_safe.



Connecting Things

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