Technical Guide

Logs, Reports and Notification

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Table of Contents

1 Introduction

This technical guide provides information on where to find the log data, where to set up automatic notification, and how to view the logs for the EWS controller.

1.1 Logs and Reports

There are multiple types of logs and reports in the Controller, as described in the following table.

Log/Report	Description
CAPWAP Log	CAPWAP related messages during different states of the CAPWAP tunnel establishment between the Controller and the APs
Configuration Change Log	History of changes that have been made to the configurations in the Controller's WMI with user account and IP address of whoever made the changes
Local Monthly Usage	Monthly statistical information on the traffic of "Local Database" users
Local Web Log	URLs of the Web Management Interface of the Controller that have been accessed by administrators or operators
Micros Opera Log	All records of communication between the Controller and the PMS
On-Demand Billing Report	Summary of On-Demand account transactions
RADIUS Server Log	RADIUS authentication and accounting related messages
SIP Call Usage	Incoming and outgoing call activities of SIP clients
SMS API Log	Information on the SMS messages sent to users' mobile phones
System Log	System related events
UAMD Log	Universal Access Method Daemon (UAMD) related information
User Events	All user account related information

1.2 Notification

For all the logs described above, “Notification” works as a central data processor to send log entries to configured external systems (including administrators’ email box, FTP servers, and SYSLOG servers) at certain timed intervals.

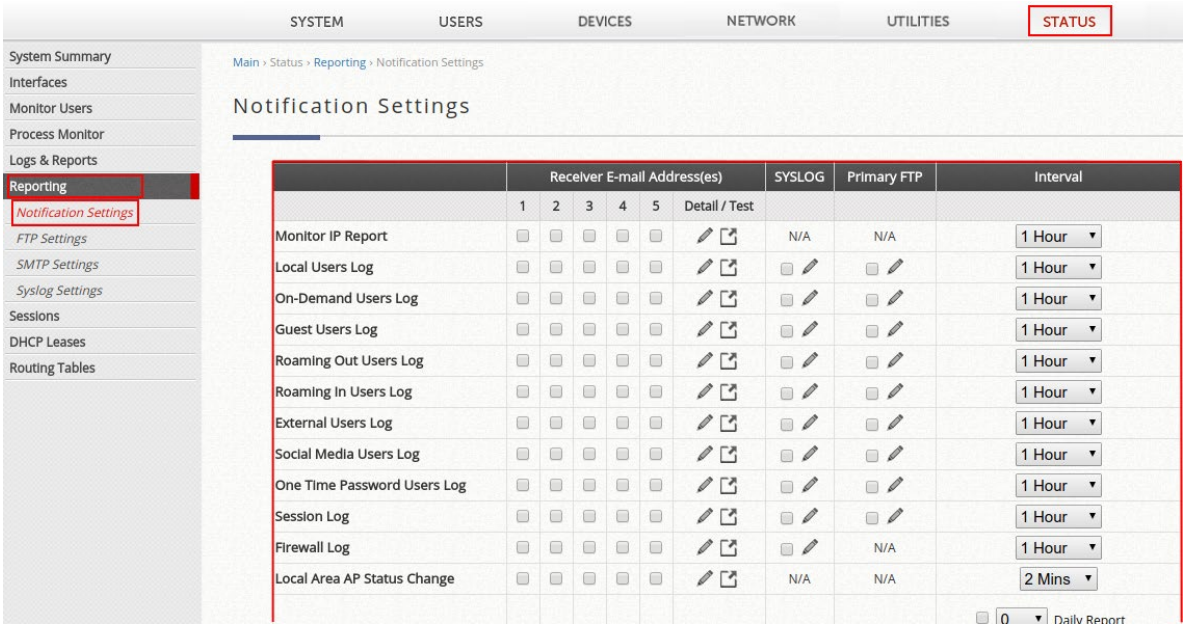


Figure 1.2 – Notification Settings Page

2 Configurations and View

2.1 Logs and Reports (*Main > Status > Logs & Reports*)

a. CAPWAP Log

This log includes CAPWAP related messages during different states of the CAPWAP tunnel establishment between the Controller and the APs. For example, the following tables have the sample messages for the four major States: Discovery, Join, Configure, and Run.

```
[CAPWAP::Mon Jan   2 00:29:10 2017] 00000400   Init Configuration for AC at 172.16.1.13
[CAPWAP::Mon Jan   2 00:29:10 2017] 00000400   Init WTP Radio Info
[CAPWAP::Mon Jan   2 00:29:10 2017] 00000400   Create Thread

[CAPWAP::Mon Jan   2 00:29:10 2017] 00000400

[CAPWAP::Mon Jan   2 00:29:10 2017] 00000400   ######### Discovery State #########
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   1 Fragment
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   172.16.1.13:5246
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   Parse Discovery Response
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   VERSION: 0
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   PAYLOAD TYPE: 0
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   HLEN: 2
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   RID: 0
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   WBID: 1
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   Parse Control Header
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   MESSAGE_TYPE: 2
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   Parsing Message Element: 1, len: 36
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   Parsing Message Element: 4, len: 6
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   Parsing Message Element: 10, len: 6
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   Parsing Message Element: 10, len: 6
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   Parsing Message Element: 10, len: 6
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   Interface Address: 172.22.0.254:5246
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   Interface Address: 172.21.0.254:5246
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   Interface Address: 192.168.1.254:5246
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   Interface Address: 172.16.1.13:5246
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   Interface Address: 127.0.0.1:5246

[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   WTP Receives Discovery Response
[CAPWAP::Mon Jan   2 00:29:28 2017] 00000400   Discovery Response from:172.16.1.13:5246
[CAPWAP::Mon Jan   2 00:31:18 2017] 00000400   Select Time Expired
[CAPWAP::Mon Jan   2 00:31:18 2017] 00000400   Timer expired during receive
[CAPWAP::Mon Jan   2 00:31:18 2017] 00000400   WTP Picks an AC
[CAPWAP::Mon Jan   2 00:31:18 2017] 00000400   Preferred AC: " EWS5203", at address: 172.16.1.13:5246
[CAPWAP::Mon Jan   2 00:31:18 2017] 00000400
```

```
[CAPWAP::Tue May   9 09:19:52 2017] d79dd700   WTP IP is 192.168.0.40:42882

[CAPWAP::Tue May   9 09:19:52 2017] d79dd700   One more WTP on 192.168.0.127:5246 (3)
[CAPWAP::Tue May   9 09:19:52 2017] d79dd700   The WTP Address:192.168.0.127:5246

[CAPWAP::Tue May   9 09:19:52 2017] d79dd700   Execute Script:sh /ramfs/bin/route_capwap.sh add
192.168.0.127:5246 192.168.0.40:42882

[CAPWAP::Tue May   9 09:19:52 2017] d79dd700   New Session
[CAPWAP::Tue May   9 09:19:52 2017] d79dd700   Timer Request
[CAPWAP::Tue May   9 09:19:52 2017] d79dd700   Timer Request: thread(-677521664), signal(12)
[CAPWAP::Tue May   9 09:19:52 2017] d79dd700   Init DTLS Session
[CAPWAP::Tue May   9 09:19:52 2017] d79dd700   Before HS
```

```
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   ok
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   depth=1:/C=IT/ST=Some State/O=Root Certificate
Authority/OU=My Subunit of Large Organization/CN=Local CAPWAP Root Certificate
Authority/emailAddress=root@somename.somewhere.com

[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   ok
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   depth=0:/C=IT/ST=Some State/O=My Large Organization
Name/OU=My Subunit of Large
Organization/CN=somename.somewhere.com/emailAddress=root@somename.somewhere.com

[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   After HS
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   Certificate Verified
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   PMTU: 0
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   Path MTU for this Session: 500
[CAPWAP::Tue May  9 09:19:56 2017] d7a1e700   Create Thread

[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   Received packet

[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   VERSION: 0
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   PAYLOAD TYPE: 1
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   HLEN: 2
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   RID: 0
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   WBID: 1
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   Single Fragment
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700
```

```
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   ######### Join State #########
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   Parse Join Request
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   Parse Control Header
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   MESSAGE_TYPE: 3
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   Saving Join Request...
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   Join Request Saved
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   Assembling Join Response...
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   1 Fragment
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   Join Response Assembled
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   Packet Sent

[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   Message Sent

[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   Timer Request
[CAPWAP::Tue May  9 09:19:56 2017] d79dd700   Timer Request: thread(-677521664), signal(12)
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Received packet

[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   VERSION: 0
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   PAYLOAD TYPE: 1
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   HLEN: 2
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   RID: 0
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   WBID: 1
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Single Fragment
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700
```

```
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   ######### Configure State #########
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Parsing Configure Request...
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Parse Control Header
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   MESSAGE_TYPE: 5
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   VSP payload length is 215.
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Configure Request Parsed
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Configure Request Received
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Saving Configure Request...
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Configure Request Saved
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Assembling Configure Response...
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   get_tunnel_ip_of_wtp: find[0][0]=172.20.1.2
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   SNMP was enabled
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Incoming interface name is eth0
```

```
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Calculate msg elem size
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Create message
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Assembling Binding Configuration Response...
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Binding Configuration Response Assembled
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   1 Fragment
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Configure Response Assembled
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Packet Sent

[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Message Sent

[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Configure Response Sent
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Timer Request
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Timer Request: thread(-677521664), signal(12)
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Received packet

[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   VERSION: 0
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   PAYLOAD TYPE: 1
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   HLEN: 2
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   RID: 0
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   WBID: 1
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Single Fragment
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700
```

```
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   ######### Status Event #########
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Parsing Change State Event Request...
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Parse Control Header
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   MESSAGE_TYPE: 11
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Change State Event Request Parsed
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Change State Event Received
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Assembling Change State Event Response...
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   WTP MGMT INFO VERSION 3
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Assembling Data Check Msg VSP...
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   get_tunnel_ip_of_wtp: find[0][0]=172.20.1.2
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Assembling Data Check Msg VSP mgmt info...
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   infoIp is AC140102...
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   infoIp is FFFFFF00...
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   infoIp is AC1401FE...
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Calculate msg elem size
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Create message
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Create message
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   1 Fragment
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Change State Event Response Assembled
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Packet Sent

[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Message Sent

[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Timer Request
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Timer Request: thread(-677521664), signal(12)
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   Change State Event Response Sent
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   w6000_open_udptap: No VLAN mapping has been set up.
[CAPWAP::Tue May  9 09:20:00 2017] d79dd700   w6000_open_udptap: Udp tunnel opened for 192.168.0.40
(0x5c09e71a-0x49d53b15-0x2fa288d3-0x3969c063)
[CAPWAP::Tue May  9 09:20:26 2017] d7a1e700   Create Thread

[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   Received packet

[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   VERSION: 0
[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   PAYLOAD TYPE: 1
[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   HLEN: 2
[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   RID: 0
[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   WBID: 1
[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   Single Fragment
[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   Parse Control Header
[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   MESSAGE_TYPE: 13
[CAPWAP::Tue May  9 09:20:51 2017] d79dd700
[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   #________ Echo Request (Run) ________#
[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   Echo Request Parsed
```

```
[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   Timer Request
[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   Timer Request: thread(-677521664), signal(12)
[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   Assembling Echo Response...
[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   1 Fragment
[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   Echo Response Assembled
[CAPWAP::Tue May  9 09:20:51 2017] d79dd700   Packet Sent

[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   Received packet

[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   VERSION: 0
[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   PAYLOAD TYPE: 1
[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   HLEN: 2
[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   RID: 0
[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   WBID: 1
[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   Single Fragment
[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   Parse Control Header
[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   MESSAGE_TYPE: 13
[CAPWAP::Tue May  9 09:21:01 2017] d79dd700
[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   #_________ Echo Request (Run) _________#
[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   Echo Request Parsed
[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   Timer Request
[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   Timer Request: thread(-677521664), signal(12)
[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   Assembling Echo Response...
[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   1 Fragment
[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   Echo Response Assembled
[CAPWAP::Tue May  9 09:21:01 2017] d79dd700   Packet Sent
```

Figure 2.1a – CAPWAP Log

b. Configuration Change Log

This log shows the history of changes that have been made to the configurations in the Controller's WMI. In some situations (e.g. troubleshooting), it would be useful to trace the changes by identifying what changes were made to the configurations as well as which administrative accounts made the changes at a certain point in time.

Time=2018-02-09 12:18:22, Request URI=/SystemConfiguration/SystemInformation.shtml, User name=edgecore, Remote Address=10.73.16.198, Settings=system_name = EWS Controller, admin_contact_info = , httpsCert = 0, SSL = Enabled, https_redirect = Enabled, usessl_cn = enable, useragent_skip_portal_popup = IEMobile/7.0,XBLWP7, billlog_ip = , SNMP_en = Disabled, suspend_message = Sorry! The service is suspended., utc_offset = +8;Asia/Taipei, ntp_en = Enabled, time_ip = time.nist.gov, hid_time_ip = time.nist.gov, time_ip2 = ntp1.fau.de, hid_time_ip2 = ntp1.fau.de, time_ip3 = clock.cuhk.edu.hk, hid_time_ip3 = clock.cuhk.edu.hk, time_ip4 = ntps1.pads.ufrj.br, hid_time_ip4 = ntps1.pads.ufrj.br, time_ip5 = ntp1.cs.mu.OZ.AU, hid_time_ip5 = ntp1.cs.mu.OZ.AU, save = 1, m_systime = , time_check = 0, utc_offset_check = +8;Asia/Taipei,

Time=2018-02-06 19:43:18, Request URI=/Utilities/MlaUser.shtml, User name=admin, Remote Address=192.168.1.99, Settings=admin Table_length = 10, act = , save = 2, AdminName = edgecore, NewPassword = edgecore, ConfirmPassword = edgecore, GroupLevel = 1, Email = , School = ,

Time=2018-02-06 19:37:25, Request URI=/SystemConfiguration/ServiceZoneConf.shtml?sz_id=0, User name=admin, Remote Address=192.168.1.99, Settings=sz_name = Default, lan_isolation = Disabled, lan_mode = NAT, lan_ip = 192.168.1.254, lan_netmask = 255.255.0.0, em_start_ip = 192.168.10.1, em_end_ip = 192.168.10.254, enable_auth = Enabled, policy_index = 1, HOMEPAGE_en = Enabled, succeed_page = http://www.google.com, mac_auth_en = Disabled, srv_check = 2, ppp_auth_en = Disabled, ppp_lan_mode = NAT, pstartIP = 172.50.0.1, sip_support = Disabled, sip_wan_if = eth3, mgmt_index = 1, mgmt_enable_1 = Enabled, mgmt_enable_2 = Enabled, mgmt_enable_3 = Enabled, mgmt_enable_4 = Enabled, mgmt_enable_5 = Enabled, mgmt_enable_103 = Enabled, mgmt_enable_119 = Enabled, mgmt_enable_121 = Enabled, save = 1,

Time=2018-02-02 16:54:55, Request URI=/SystemConfiguration/ServiceZoneConf.shtml?sz_id=0, User name=admin, Remote Address=192.168.1.51, Settings=sz_name = Default, lan_isolation = Disabled, lan_mode = NAT, lan_ip = 192.168.1.254, lan_netmask = 255.255.0.0, em_start_ip = 192.168.10.1, em_end_ip = 192.168.10.254, enable_auth = Enabled, policy_index = 1, HOMEPAGE_en = Enabled, succeed_page = http://www.google.com, mac_auth_en = Disabled, srv_check = 2, ppp_auth_en = Disabled, ppp_lan_mode = NAT, pstartIP = 172.50.0.1, sip_support = Disabled, sip_wan_if = eth3, mgmt_enable_1 = Enabled, mgmt_enable_2 = Enabled, mgmt_enable_3 = Enabled, mgmt_enable_4 = Enabled, mgmt_enable_5 = Enabled, mgmt_index = 103, mgmt_enable_103 = Enabled, save = 1,

Figure 2.1b – Configuration Change Log

c. Local Monthly Usage

This log shows monthly statistical information about the traffic of "Local Database" users, including Username, Connection Time, and Number of Packets / Bytes transmitted.

Monthly Report 2018-02					
Username	Connection Time Usage	Packets In	Bytes In	Packets Out	Bytes Out
user1	4 hrs 59 mins	159.1K	68M	200.1K	232M
user2	2 hrs 32 mins	18.5K	1588.3K	18.1K	42.1M
user3	44 mins 22 secs	23.7K	3541.1K	18.3K	9461.1K
user4	0	0	0	0	0
user5	0	0	0	0	0

Figure 2.1c – Local Monthly Usage

d. Local Web Log

This log shows the URLs of the Web Management Interface of the Controller that have been accessed by administrators or operators. In the following example, 10.73.16.198 is the IP address of the administrative PC, while 10.71.5.10 is the WAN IP address of the Controller.

```
Mar 19 14:38:19 logd@W6000 lighttpd[11487]: 10.73.16.198 10.71.5.10 - [19/Mar/2018:14:38:19 +0800] 80 'GET /top.shtml HTTP/1.1' 200 8363
Mar 19 14:38:19 logd@W6000 lighttpd[11487]: 10.73.16.198 10.71.5.10 - [19/Mar/2018:14:38:19 +0800] 80 'GET /include/utility.js HTTP/1.1' 200 45428
Mar 19 14:38:19 logd@W6000 lighttpd[11487]: 10.73.16.198 10.71.5.10 - [19/Mar/2018:14:38:19 +0800] 80 'GET /include/shortcut.js HTTP/1.1' 200 6209
Mar 19 14:38:19 logd@W6000 lighttpd[11487]: 10.73.16.198 10.71.5.10 - [19/Mar/2018:14:38:19 +0800] 80 'GET /include/sitepath.shtml HTTP/1.1' 200 103529
Mar 19 14:38:19 logd@W6000 lighttpd[11487]: 10.73.16.198 10.71.5.10 - [19/Mar/2018:14:38:19 +0800] 80 'GET /include/jquery-patch.js HTTP/1.1' 200 1931
Mar 19 14:38:19 logd@W6000 lighttpd[11487]: 10.73.16.198 10.71.5.10 - [19/Mar/2018:14:38:19 +0800] 80 'GET /main2.shtml HTTP/1.1' 200 5909
Mar 19 14:38:19 logd@W6000 lighttpd[11487]: 10.73.16.198 10.71.5.10 - [19/Mar/2018:14:38:19 +0800] 80 'GET /include/jquery.js HTTP/1.1' 200 97188
Mar 19 14:38:19 logd@W6000 lighttpd[11487]: 10.73.16.198 10.71.5.10 - [19/Mar/2018:14:38:19 +0800] 80 'GET /include/utility.js HTTP/1.1' 200 45428
Mar 19 14:43:43 logd@W6000 lighttpd[11546]: 10.73.16.198 10.71.5.10 - [18/Mar/2018:14:43:43 +0800] 80 'GET /include/jquery-ui-timepicker-addon.js HTTP/1.1' 200 73119
Mar 19 14:43:43 logd@W6000 lighttpd[11546]: 10.73.16.198 10.71.5.10 - [18/Mar/2018:14:43:43 +0800] 80 'POST /status/UserEvent.shtml HTTP/1.1' 200 13307
Mar 19 14:43:34 logd@W6000 lighttpd[11546]: 10.73.16.198 10.71.5.10 - [18/Mar/2018:14:43:34 +0800] 80 'GET /include/jquery.js HTTP/1.1' 200 97188
Mar 19 14:43:34 logd@W6000 lighttpd[11546]: 10.73.16.198 10.71.5.10 - [18/Mar/2018:14:43:34 +0800] 80 'GET /include/shortcut.js HTTP/1.1' 200 6209
Mar 19 14:43:34 logd@W6000 lighttpd[11546]: 10.73.16.198 10.71.5.10 - [18/Mar/2018:14:43:34 +0800] 80 'GET /include/jquery-patch.js HTTP/1.1' 200 1931
Mar 19 14:43:34 logd@W6000 lighttpd[11546]: 10.73.16.198 10.71.5.10 - [18/Mar/2018:14:43:34 +0800] 80 'GET /include/utility.js HTTP/1.1' 200 45428
```

Figure 2.1d – Local Web Log

e. Micros Opera Log

This log displays all records of communication between the Controller and the PMS. Each record entry has several fields which are separated by the separator character "|" in the following format: [**Record ID** | **Field ID1** Data1 | **Field ID2** Data2 | **Field ID3** Data3 | …], where

Record ID = ID (without data) which specifies the record type and the action to be performed

Field ID Data = ID with relevant data which specifies the field type and data to be sent

For example, a Guest Check-in (GI) record entry will look like [**GI**|**RN**Data|**G#**Data|**GN**Data|**GL**Data|**NP**Data|**DA**Data|**TI**Data|], where each field ID stands for – **GI**: Guest Check-in, **RN**: Room Number, **G#**: Guest Number, **GN**: Guest Name, **GL**: Guest Language, **NP**: No Posting Status, **DA**: Date, **TI**: Time

```
[2017-07-31 12:32:10] From Micros Opera [LS|DA170731|TI133208|]
[2017-07-31 12:32:10] Connected to Micros Opera which Server IP[31.145.179.147] Port[5090]
[2017-07-31 12:32:11] From Micros Opera [LA|DA170731|TI133209|]
[2017-07-31 12:33:23] From Micros Opera [DS|DA170731|TI123226|]
[2017-07-31 12:33:29] From Micros Opera [GO|RN703|G#2105103|GSN|DA170731|TI123227|]
[2017-07-31 12:33:30] From Micros Opera [GI|RN207|G#2104907|GNHasan|GLEA|NPN|DA170731|TI123227|]
[2017-07-31 12:33:30] From Micros Opera [GI|RN301|G#2104942|GNAlsaliman|GLTR|NPN|DA170731|TI123227|]
[2017-07-31 12:33:30] From Micros Opera [GI|RN301|G#2105100|GNAlosayl|GLTR|NPN|DA170731|TI123227|]
[2017-07-31 12:33:30] From Micros Opera [GI|RN410|G#2102605|GNDashti|GLEA|NPN|DA170731|TI123227|]
[2017-07-31 12:33:30] From Micros Opera [GI|RN404|G#2105745|GNTrapaidze|GLEA|NPN|DA170731|TI123227|]
[2017-07-31 12:33:30] From Micros Opera [GI|RN406|G#2106160|GNAlghanim|GLEA|NPN|DA170731|TI123227|]
[2017-07-31 12:33:30] From Micros Opera [GI|RN406|G#2106163|GNAl Sulaiti|GLEA|NPN|DA170731|TI123227|]
[2017-07-31 12:33:30] From Micros Opera [GI|RN707|G#2105751|GNSaad|GLTR|NPN|DA170731|TI123227|]
[2017-07-31 12:33:30] From Micros Opera [GI|RN707|G#2105758|GNAlhendal|GLTR|NPN|DA170731|TI123227|]
[2017-07-31 12:33:30] From Micros Opera [GI|RN820|G#2106137|GNJohnson|GLEA|NPN|DA170731|TI123227|]
```

Figure 2.1e – Micros Opera Log

f. On-Demand Billing Report

This page (Main Menu > Status > Logs and Reports > On-Demand Billing Report) displays a summary of On-Demand account transactions. Note: for the report to be generated, it is necessary to first enable (check) the timed interval of On-Demand User Billing Report, as shown in Figure 2.1f(1).

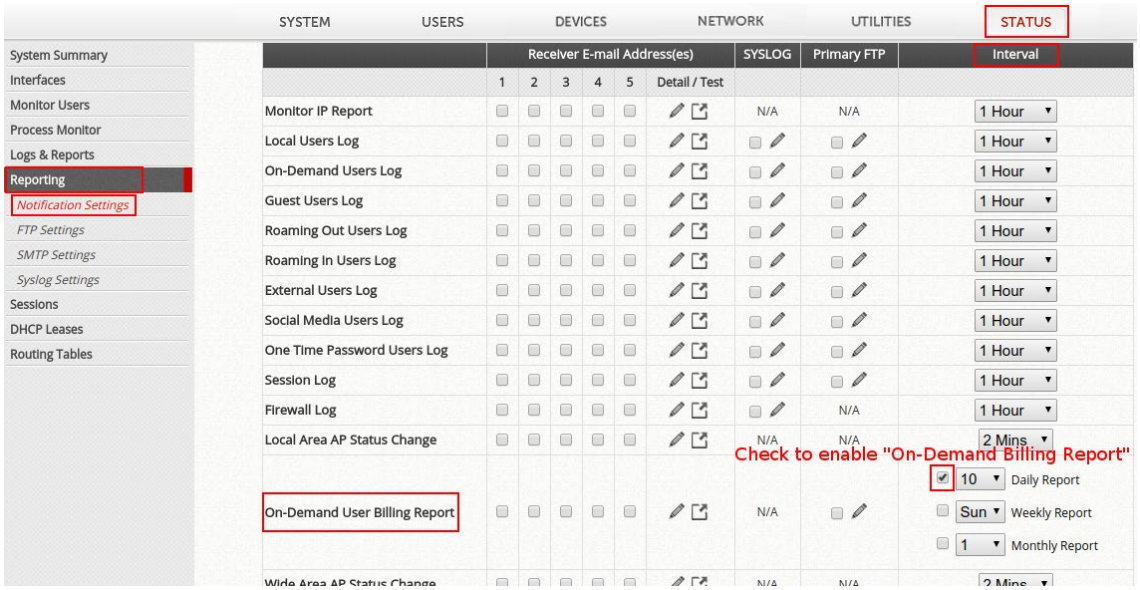
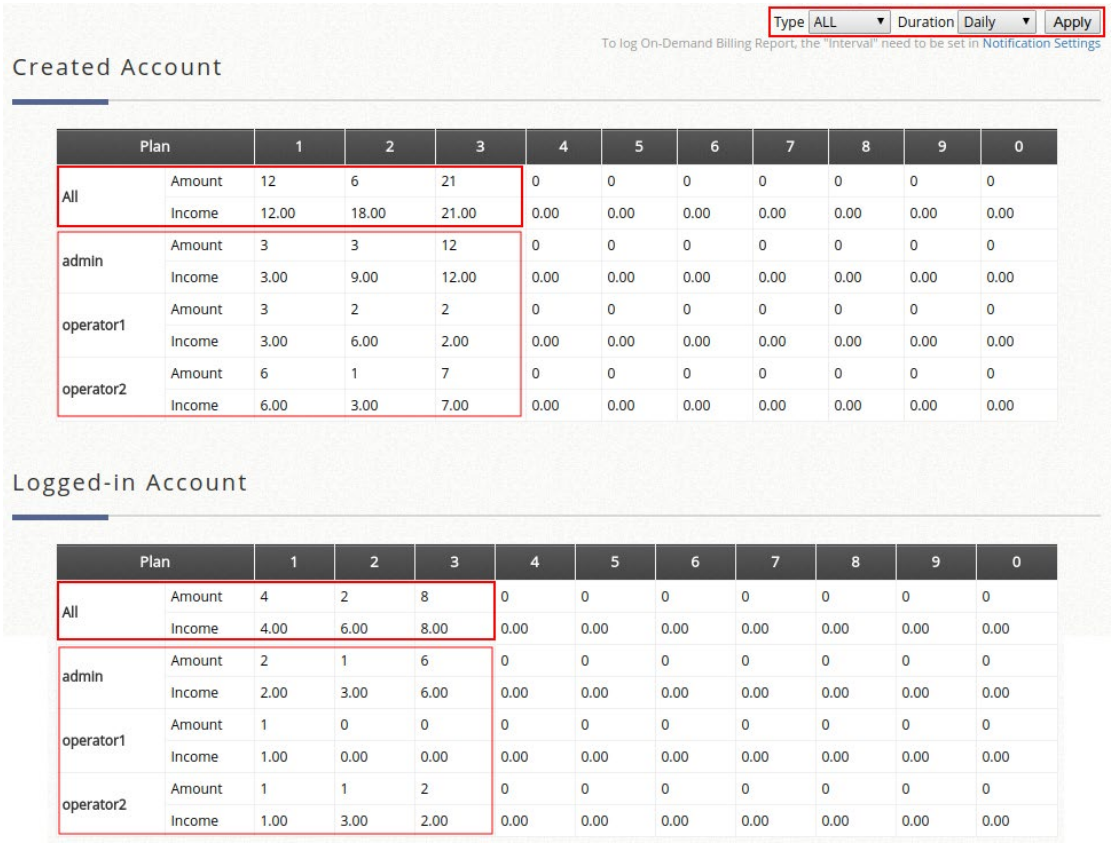


Figure 2.1f(1) – Check Timed Interval Setting to enable On-Demand Billing Report



Plan		1	2	3	4	5	6	7	8	9	0
All	Amount	12	6	21	0	0	0	0	0	0	0
	Income	12.00	18.00	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
admin	Amount	3	3	12	0	0	0	0	0	0	0
	Income	3.00	9.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
operator1	Amount	3	2	2	0	0	0	0	0	0	0
	Income	3.00	6.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
operator2	Amount	6	1	7	0	0	0	0	0	0	0
	Income	6.00	3.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Plan		1	2	3	4	5	6	7	8	9	0
All	Amount	4	2	8	0	0	0	0	0	0	0
	Income	4.00	6.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
admin	Amount	2	1	6	0	0	0	0	0	0	0
	Income	2.00	3.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
operator1	Amount	1	0	0	0	0	0	0	0	0	0
	Income	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
operator2	Amount	1	1	2	0	0	0	0	0	0	0
	Income	1.00	3.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure 2.1f(1) – On-Demand Billing Report

g. RADIUS Server Log

This log displays the messages related to RADIUS authentication and RADIUS accounting traffic that pass through the Controller.

```
Request-Authenticator = Verified
        Timestamp = 1386755444
        Realm = "radius"
        FreeRADIUS-Acct-Session-Start-Time = "Dec 11 2017 17:38:44 CST"
        Acct-Terminate-Cause = User-Request
        Event-Timestamp = "Dec 11 2017 11:34:37 CST"
        Acct-Session-Time = 720
        Connect-Info = "CONNECT 0Mbps 802.11"
        NAS-Port-Type = Wireless-802.11
        Calling-Station-Id = "20-68-9D-4C-BF-AE"
        Called-Station-Id = "00-C0-CA-5F-8B-58:AP-A1_802.1x"
        NAS-Port = 0
        NAS-IP-Address = 192.168.1.1
        User-Name = "user1@radius"
        Acct-Authentic = RADIUS
        Acct-Status-Type = Stop
        Acct-Session-Id = "4B3D5B23-00000008"
        Src-IP-Address = 192.168.1.1
Wed Dec 11 17:50:44 2017

        Request-Authenticator = Verified
        Timestamp = 1386755384
        Realm = "radius"
        FreeRADIUS-Acct-Session-Start-Time = "Dec 11 2017 17:38:44 CST"
        Event-Timestamp = "Dec 11 2017 11:33:37 CST"
        Acct-Output-Octets = 697409
        Acct-Input-Octets = 237205
        Acct-Output-Packets = 884
        Acct-Input-Packets = 977
        Acct-Session-Time = 660
        Connect-Info = "CONNECT 0Mbps 802.11"
        NAS-Port-Type = Wireless-802.11
        Calling-Station-Id = "20-68-9D-4C-BF-AE"
        Called-Station-Id = "00-C0-CA-5F-8B-58:AP-A1_802.1x"
        NAS-Port = 0
        NAS-IP-Address = 192.168.1.1
        User-Name = "user1@radius"
        Acct-Authentic = RADIUS
        Acct-Status-Type = Interim-Update
        Acct-Session-Id = "4B3D5B23-00000008"
        Src-IP-Address = 192.168.1.1
Wed Dec 11 17:49:44 2017
```

Figure 2.1g – RADIUS Server Log

h. SIP Call Usage Log

This log displays incoming and outgoing call activities of SIP clients; information includes Start Time, Caller, Callee and Duration.

SIP Call Usage Log

Start Time	Caller	Callee	Duration (seconds)
2015-09-01 11:46:02	303@10.131.5.235	11@10.131.5.235	5
2015-09-01 11:46:25	11@10.131.5.235	303@10.131.5.235	7

Figure 2.1h – SIP Call Usage Log

i. SMS API Log

This log displays information on the SMS messages sent to users' phones (first delivered from the Controller to the configured SMS system via the SMS API), including phone number, authentication type, and IP address of the client device.

```
[2018-03-19 18:29:31] Sent SMS to 85256781234 with OTP, IP:192.168.1.101
[2018-03-19 18:31:27] Sent SMS to 886987654321 with OTP, IP:192.168.1.29
[2018-03-19 18:35:27] Sent SMS to 886988123456 with OTP, IP:192.168.1.50
```

Figure 2.1i – SMS API Log

j. System Log

This log displays system related events, such as DHCP, NTP Sync, Process Monitoring, etc.

```
Nov 30 15:00:51 @W6000 dnsmasq-dhcp[25516]: DHCPREQUEST(eth14) 172.24.6.90 78:6c:1c:af:59:fd
Nov 30 15:00:51 @W6000 dnsmasq-dhcp[25516]: DHCPACK(eth14) 172.24.6.90 78:6c:1c:af:59:fd iPhone
Nov 30 15:00:51 @W6000 dnsmasq[25516]: child process exited with status 1
Nov 30 15:00:51 @W6000 dnsmasq-dhcp[25516]: DHCPDISCOVER(eth14) c8:a8:23:80:df:b0
Nov 30 15:00:51 @W6000 dnsmasq-dhcp[25516]: DHCPOFFER(eth14) 172.24.4.115 c8:a8:23:80:df:b0
Nov 30 15:00:51 @W6000 dnsmasq-dhcp[25516]: DHCPREQUEST(eth14) 172.24.4.115 c8:a8:23:80:df:b0
Nov 30 15:00:51 @W6000 dnsmasq-dhcp[25516]: DHCPACK(eth14) 172.24.4.115 c8:a8:23:80:df:b0
android-f4da21277021be11
Nov 30 15:00:51 @W6000 dnsmasq[25516]: child process exited with status 1
Nov 30 15:01:12 @W6000 <user.notice> root:    [Process Monitor] Last check time: 2017-11-30 15:01:12 +0800
Nov 30 15:02:14 @W6000 <user.notice> nobody: administrator admin login time:Thu, 30 Nov 2017 15:02:14
+0800, IP:172.24.16.198
Nov 30 15:02:22 @W6000 <user.notice> root:    [Process Monitor] Last check time: 2017-11-30 15:02:22 +0800
Nov 30 15:03:32 @W6000 <user.notice> root:    [Process Monitor] Last check time: 2017-11-30 15:03:32 +0800
Nov 30 15:04:08 @W6000 <user.notice> root:    NTP time.nist.gov synchronized successfully.
Nov 30 15:04:42 @W6000 <user.notice> root:    [Process Monitor] Last check time: 2017-11-30 15:04:42 +0800
Nov 30 15:05:52 @W6000 <user.notice> root:    [Process Monitor] Last check time: 2017-11-30 15:05:52 +0800
```

Figure 2.1j – System Log

k. UAMD Log

This log displays Universal Access Method Daemon (UAMD) related information. Note that Universal Access Method (UAM) is a browser-based authentication mechanism that intercepts the HTTP (and/or HTTPS) requests and redirect users to the captive portal page. In some cases, it might be helpful to look into the UAMD messages for troubleshooting purposes. For example, the following log message entries could be resulted from 3 scenarios:

(1) The iOS device (192.168.2.70) was accessing captive.apple.com over and over, which might be due to the fact that this iOS device was switching between Wi-Fi and cellular networks.

```
192.168.2.70 [24/Oct/2015:09:48:33 +0800] "GET /8T7YvNKKhjBCEmn/ayYDL1ASLOSA0qR.html HTTP/1.0" Host: captive.apple.com
192.168.2.70 [24/Oct/2015:09:55:20 +0800] "GET /Wp7f1J7UkdEF/I8EOUvBBN4sd/RUSHtfEr8W1a/3mgVpQni1Pqd/NgrzRdoXrdSm.html HTTP/1.0" Host: captive.apple.com
192.168.2.70 [24/Oct/2015:10:07:26 +0800] "GET /3lAKSldl2/tHQBj58S5/ciZMJTrp6/zplBJkMHu.html HTTP/1.0" Host: captive.apple.com
192.168.2.70 [24/Oct/2015:10:31:27 +0800] "GET /5RoEX5xu/HEAS8szs/8INZBmBG/qrMTi2Tg/Q3D0ROju.html HTTP/1.0" Host: captive.apple.com
192.168.2.70 [24/Oct/2015:10:33:17 +0800] "GET /NHrJVnegt4Sp/ndAEDBrq237r/Oyhqb7DO5ppr/4UmdHEh7TVam/waOSKhpG12b7.html HTTP/1.0" Host: captive.apple.com
```

Figure 2.1k(1) – UAMD Log Scenario 1

(2) The PC (192.168.2.40) kept trying to access Kaspersky websites, but never succeeded. This would waste the HTTP resources of the Controller.

```
192.168.2.40 [25/Oct/2015:03:12:34 +0800] "GET /updaters/updater.xml.klz HTTP/1.0" Host: dnl-02.geo.kaspersky.com
192.168.2.40 [25/Oct/2015:03:12:34 +0800] "GET /updaters/updater.xml.klz HTTP/1.0" Host: dnl-16.geo.kaspersky.com
192.168.2.40 [25/Oct/2015:03:12:34 +0800] "GET /updaters/updater.xml HTTP/1.0" Host: dnl-16.geo.kaspersky.com
192.168.2.40 [25/Oct/2015:03:12:35 +0800] "GET /updaters/updater.xml HTTP/1.0" Host: dnl-07.geo.kaspersky.com
192.168.2.40 [25/Oct/2015:03:12:34 +0800] "GET /updaters/updater.xml HTTP/1.0" Host: dnl-02.geo.kaspersky.com
192.168.2.40 [25/Oct/2015:03:12:34 +0800] "GET /updaters/updater.xml HTTP/1.0" Host: dnl-13.geo.kaspersky.com
```

Figure 2.1k(2) – UAMD Log Scenario 2

(3) The Android device (192.168.2.217) kept trying to access certain Google websites, but the non-browser HTTP requests had been dropped (as indicated by the string "[reject]") by the Controller's "UAM Filter" function (Main Menu > System > General > UAM Filter).

```
192.168.2.217 [26/Oct/2015:15:36:45 +0800] "GET /generate_204 HTTP/1.1" Host: connectivitycheck.gstatic.com [reject]
192.168.2.217 [26/Oct/2015:15:36:45 +0800] "GET /generate_204 HTTP/1.1" Host: clients3.google.com [reject]
192.168.2.217 [26/Oct/2015:15:36:45 +0800] "GET /generate_204 HTTP/1.1" Host: clients3.google.com [reject]
192.168.2.217 [26/Oct/2015:15:36:46 +0800] "GET /generate_204 HTTP/1.1" Host: connectivitycheck.gstatic.com [reject]
192.168.2.217 [26/Oct/2015:15:36:52 +0800] "GET /generate_204 HTTP/1.1" Host: connectivitycheck.gstatic.com [reject]
192.168.2.217 [26/Oct/2015:15:36:48 +0800] "GET /generate_204 HTTP/1.1" Host: connectivitycheck.gstatic.com [reject]
```

Figure 2.1k(3) – UAMD Log Scenario 3

I. User Events

This page displays all user account related information (e.g. type of accounts, username, type of events - account creation, user login, user logout events, etc.) customizable to administrator's preference.

To customize the columns to be displayed, click "Configure" on Display Mode. Select begin and end date from the calendar and click "Display" to display all User Events within the selected dates.

To generate a report using third-party application such as Excel, use "Download" button to download the displayed User Events into a comma separated .txt file. Then save it as a new file with .csv extension to sort the data into cells in Excel spreadsheet.

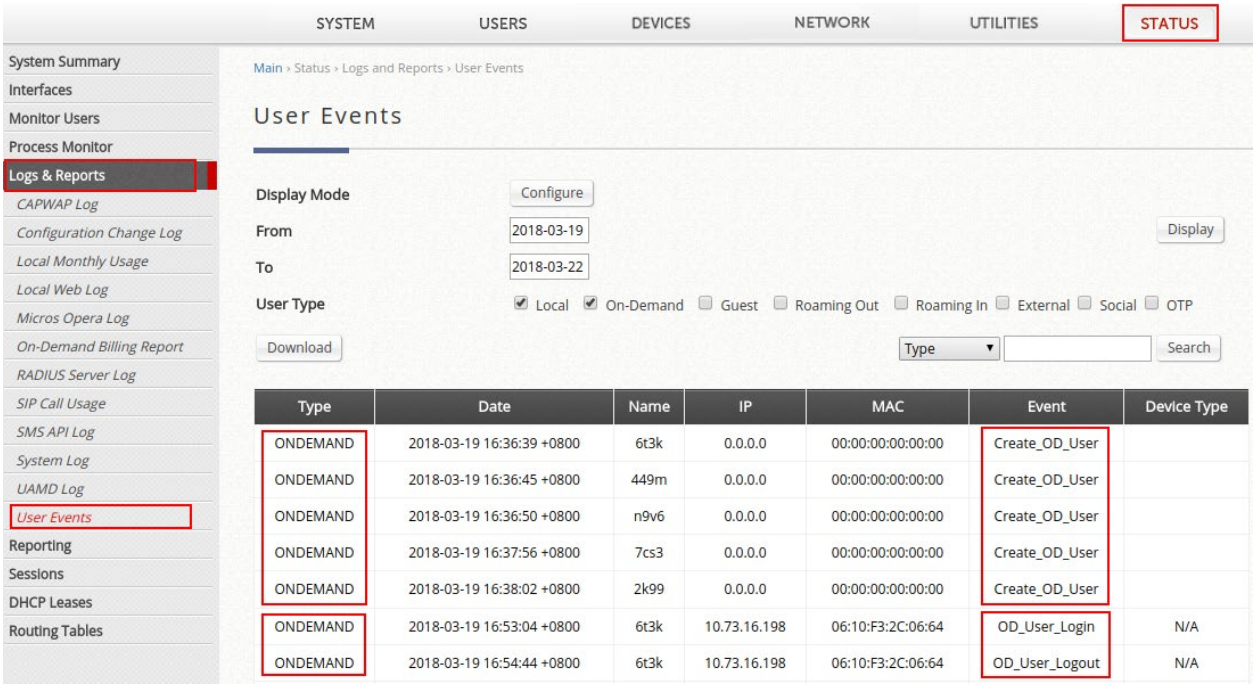


Figure 2.1l – User Events

2.2 Notification (*Main > Status > Reporting*)

a. Notification Settings

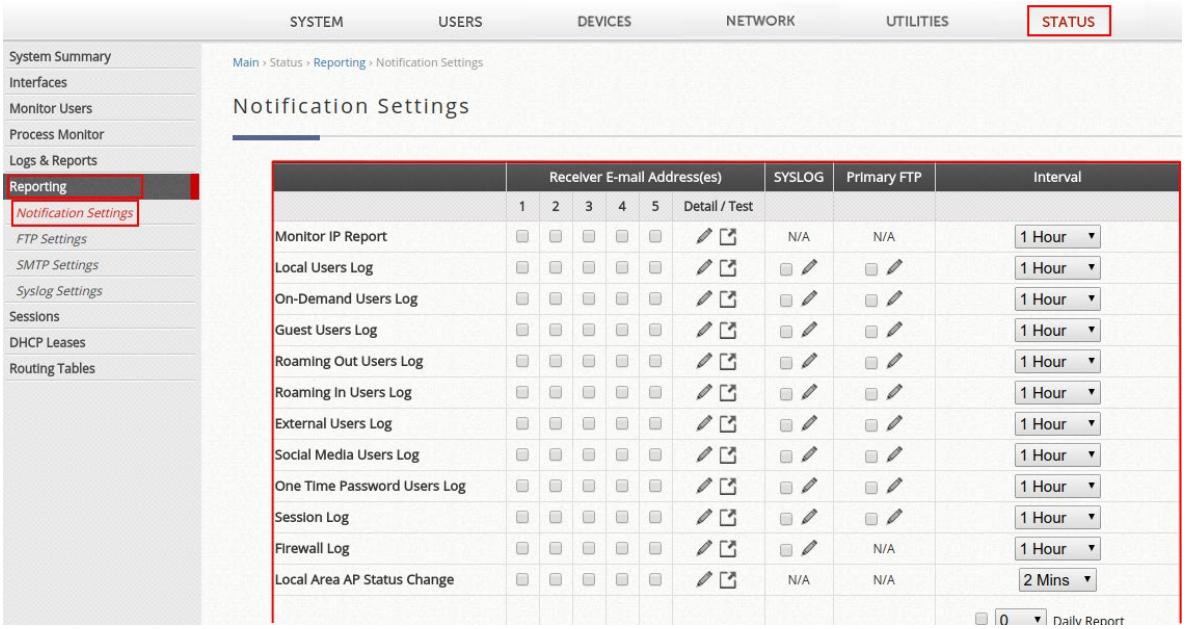


Figure 2.2a - Notification Settings Page

Left Column and Top Row: All types of logs, the three external systems (administrators' email boxes, SYSLOG servers, and FTP servers), and the timed interval are listed.

Check Buttons: It can be enabled to send the logs to the three external systems at the timed interval. The settings of each of the three external systems are configured in the corresponding configuration pages.

b. FTP Settings

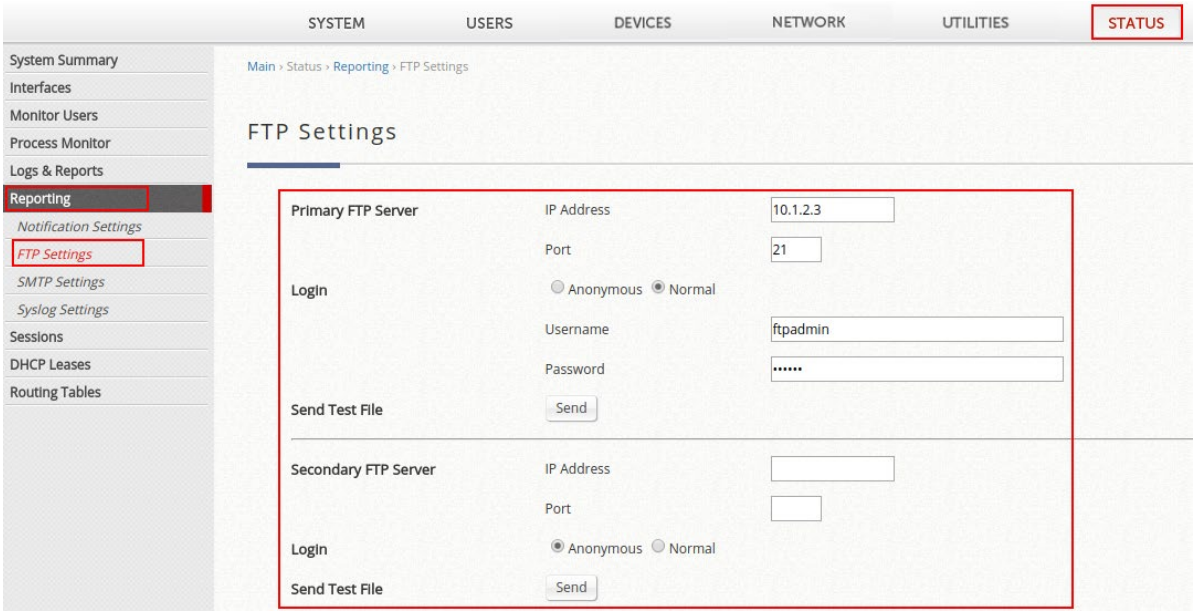


Figure 2.2b - FTP Settings

c. SMTP Settings

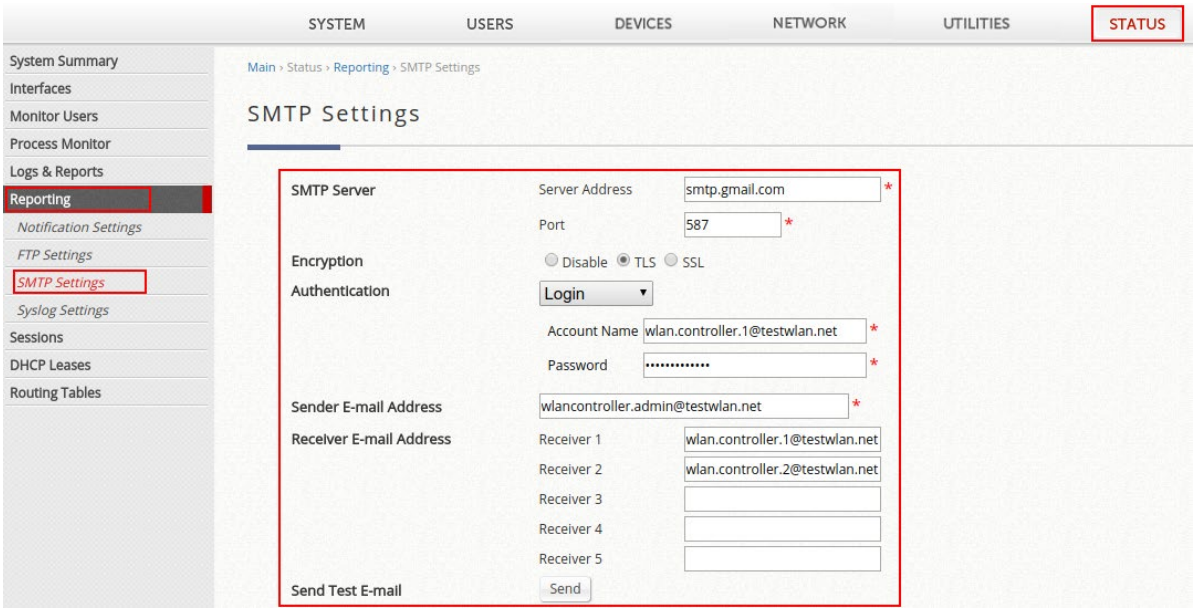


Figure 2.2c – SMTP Settings

d. Syslog Settings

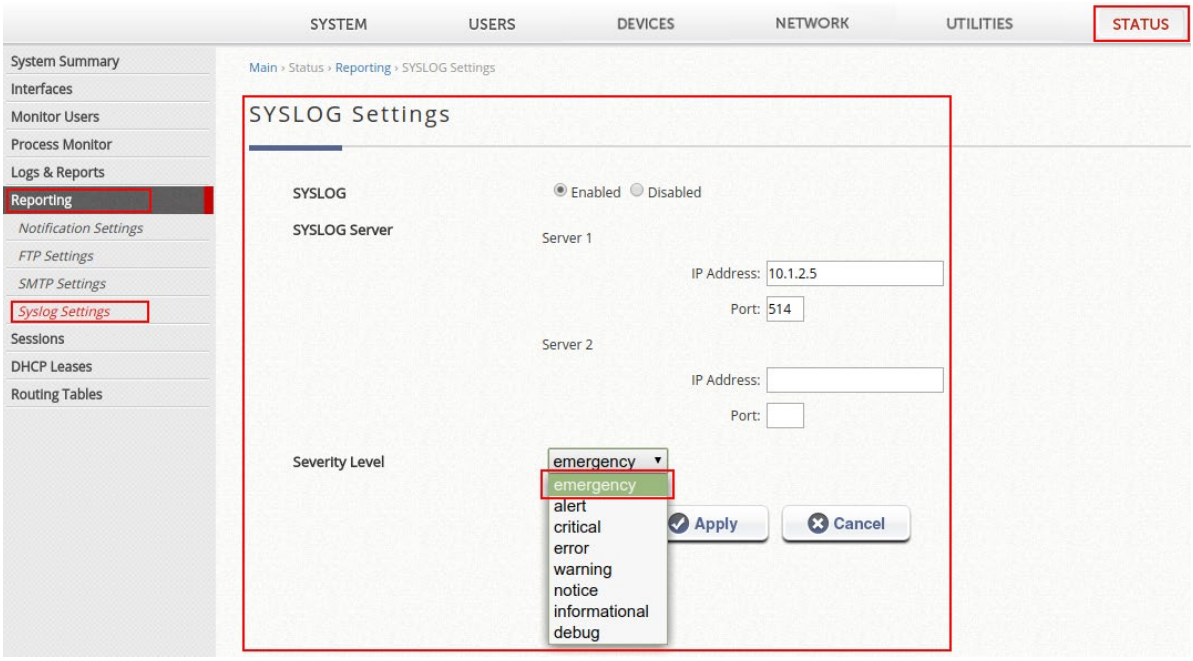


Figure 2.2d – Syslog Settings

Note: Administrators can limit the messages to be sent to the Syslog server by specifying the "Severity Level" of the message. By default, Severity Level is set to "emergency"; in some cases, it would be helpful to set it to "debug" level in order to include the additional messages for system debugging purposes.

e. Example notifications

Please note that the notifications will send raw data to the configured external systems.

(1) Sample On-Demand Users Log

```
Date: Mon, 12 Mar 2018 17:59:09 +0800

#Date System Name Event Name Unit Price Total Price IP IPv6 MAC Packets In Bytes In
Packets Out Bytes Out Activationtime Expiretime Validtime Remark VLAN ID Group Policy MaxDnLoad
MaxUpLoad ReqDnLoad ReqUpLoad External ID Reference Source Type AP Name Device Type
OS NAT IP
2018-03-12 17:04:14 +0800 EWS5203 OD_User_Logout 6232 1 1 1 192.168.1.29 N/A
AA:BB:CC:DD:EE:FF 49755 10696446 80657 86065551 2018-03-12 16:03:21 None None 0
Group 1 1 ONDEMAND N/A N/A Windows
2018-03-12 17:06:28 +0800 EWS5203 OD_User_Login 6232 1 1 1 192.168.1.29 N/A
AA:BB:CC:DD:EE:FF 0 0 0 0 2018-03-12 16:03:21 None None 0 Group 1 1
Unlimited Unlimited Unlimited Unlimited ONDEMAND N/A N/A
Windows
2018-03-12 17:11:25 +0800 EWS5203 OD_User_Login 6232 1 2 2 192.168.1.29 N/A
AA:BB:CC:DD:EE:FF 1294 256331 1562 535651 2018-03-12 16:03:21 None None 0 Group 1 1
Unlimited Unlimited Unlimited Unlimited ONDEMAND N/A N/A
Windows
2018-03-12 17:11:25 +0800 EWS5203 OD_User_Redeemed 6232 1 1 2 :: 0
0 0 0 None None None Admin Redeem by admin
ONDEMAND N/A
2018-03-12 17:13:20 +0800 EWS5203 Create_OD_User mvpy 1 1 1 0.0.0.0 :: 00:00:00:00:00:00
0 0 0 0 None 2018-03-13 17:13:20 None plan1: 1 day(s) of usage time
WEB:admin ONDEMAND
2018-03-12 17:13:25 +0800 EWS5203 OD_User_Logout 6232 1 2 2 192.168.1.29 N/A
AA:BB:CC:DD:EE:FF 1492 283473 1791 592024 2018-03-12 16:03:21 None None 0 Group 1 1
ONDEMAND N/A N/A Windows
```

(2) Sample Configuration Change Log

Date: Tue, 03 Apr 2018 13:59:24 +0800

Time=2018-03-30 11:50:11, Request URI=/status/UserEventDisplayMode.shtml, User name=admin, Remote Address=10.70.5.98, Settings=display_mode = type date name ip mac event account_valid_through activation_time first_login_expiration os price remark total_price unit,

Time=2018-03-30 14:04:45, Request URI=/NetworkConfiguration/WalledGardenListEdit.shtml, User name=admin, Remote Address=10.73.16.31, Settings=item_num = 1, act = add, addr_1 = www.google.com, url_1 = http://www.google.com, ip_1 = www.google.com, Enabled_1 = 1, sz1 = 0, Remark_1 = , Enabled_ad_1 = 1, pr1 = http, Topic_1 = google Web, Descr_1 = ,

Time=2018-03-30 15:11:17, Request URI=/SystemConfiguration/DhcpConfiguration.shtml?sz_id=0, User name=admin, Remote Address=10.73.16.31, Settings=dhcp_server = Enabled, start_ip1 = 192.168.10.1, end_ip1 = 192.168.10.100, dns_primary_ip1 = 192.168.10.254, dns_secondary_ip1 = , domain_name1 = domain.com, lease_time1 = 1440, wins_ip1 = , ignore_name1 = Disabled, start_ip2 = , end_ip2 = , dns_primary_ip2 = , dns_secondary_ip2 = , domain_name2 = , lease_time2 = 1440, wins_ip2 = , ignore_name2 = Disabled, start_ip3 = , end_ip3 = , dns_primary_ip3 = , dns_secondary_ip3 = , domain_name3 = , lease_time3 = 1440, wins_ip3 = , ignore_name3 = Disabled, start_ip4 = , end_ip4 = , dns_primary_ip4 = , dns_secondary_ip4 = , domain_name4 = , lease_time4 = 1440, wins_ip4 = , ignore_name4 = Disabled, start_ip5 = , end_ip5 = , dns_primary_ip5 = , dns_secondary_ip5 = , domain_name5 = , lease_time5 = 1440, wins_ip5 = , ignore_name5 = Disabled, start_ip6 = , end_ip6 = , dns_primary_ip6 = , dns_secondary_ip6 = , domain_name6 = , lease_time6 = 1440, wins_ip6 = , ignore_name6 = Disabled, dhcp_lease2arp = Disabled, relay_ip = , relay_ip2 = , save = 2,

(3) Sample Session Log

Date: Tue, 03 Apr 2018 12:59:09 +0800

Apr 3 11:59:53 2018 [New]test@local TCP MAC=AA:BB:CC:DD:EE:FF SIP=192.168.10.92 SPort=58362 DIP=17.253.17.205 DPort=80
Apr 3 11:59:54 2018 [New]test@local UDP MAC=AA:BB:CC:DD:EE:FF SIP=192.168.10.92 SPort=16403 DIP=17.173.254.222 DPort=16384
Apr 3 11:59:54 2018 [New]test@local UDP MAC=AA:BB:CC:DD:EE:FF SIP=192.168.10.92 SPort=16403 DIP=17.173.254.222 DPort=16385
Apr 3 11:59:54 2018 [New]test@local UDP MAC=AA:BB:CC:DD:EE:FF SIP=192.168.10.92 SPort=16403 DIP=17.173.254.223 DPort=16386
Apr 3 11:59:54 2018 [New]test@local UDP MAC=AA:BB:CC:DD:EE:FF SIP=192.168.10.92 SPort=16403 DIP=60.250.129.28 DPort=16403
Apr 3 11:59:54 2018 [New]test@local UDP MAC=AA:BB:CC:DD:EE:FF SIP=192.168.10.92 SPort=16403 DIP=60.250.129.28 DPort=16403
Apr 3 11:59:54 2018 [New]test@local UDP MAC=AA:BB:CC:DD:EE:FF SIP=192.168.10.92 SPort=16403 DIP=60.250.129.28 DPort=16403
Apr 3 11:59:56 2018 [New]test@local UDP MAC=AA:BB:CC:DD:EE:FF SIP=192.168.10.92 SPort=16403 DIP=60.250.129.28 DPort=16403

3 Remarks

Please contact Technical Support Team for additional inquiries.