



Firmware Release Note

ZyWALL SSL10

Release 1.00(AQH.1)

Date: Mar, 14, 2007

Project Leader: Julian Wu

ZyWALL SSL 10

Release 1.00(AQH.1)

Release Note

Date: March, 14, 2007

Supported Platforms:

ZyXEL ZyWALL SSL 10

Versions:

ZLD Version: 1.00(AQH.1) | 2007-03-05 12:24:09

Bootbase: V0.8 | 2006-11-13 11:08:39

Notes:

1. The default device administration username is “admin”, password is “1234”.
2. The default LAN subnet is 192.168.1.0/24 with LAN IP as 192.168.1.1.
3. The default WAN interface is eth1, and it will automatically get IP address using DHCP by default.
4. User can update this firmware by using GUI

Known Issues:

System:

1. [SPR: 070314945]
[Symptom] System time will invalidate if we setup the following steps
[Condition]
 - 1.Change time zone to GMT+8 and then synchronize, for example: 11:00.
 - 2.Switch to manual time setting, set "3" instead of "11", and then apply.
 - 3.Change time zone to GMT+7 and then apply.
 - 4.Reboot the SSL10, we found the system time is changed to 19:00
2. [SPR: 070314950]
[Symptom] The command of hardware watch dog can not be saved

SSL VPN:

1. [SPR: 070314945]
[Symptom] Files with special character '&' in their name cannot be displayed in Portal File Share
[Work around] Avoid special characters in the File Names on the Share Folders.
2. [SPR: 061018594]
[Symptom] "Add To Favorite" is not supported in Mozilla, Firefox and Netscape browsers.
A pop-up message informs this when user uses any of the above browsers.
[Work around] Use IE browser to bookmark the page.
3. [SPR: 061024808]
[Symptom] Web application with WinMail 4.3 can login but can't compose and send mail. This is not bug on SSL10 rather due to improper java scripting on the WinMail server
[Work around] Change the PHP script to comply so that Send Mail through SSL10 can work. Otherwise use SSL-VPN SecuExtender to use Win Mail.
4. [SPR: 061103195]
[Symptom] After 14 hours of stress, download file failed in File Sharing throwing a warning message "Connect to URL/share1 denied by ACL".
5. [SPR: 070308695]
[Symptom] EPS failure in portal if EPS is configured to look for Norton AV2007 version.
[Work around] Avoid configuring version if EPS check failed warning is coming in portal.

6. [SPR: 070309749]
[Symptom] EPS failure in portal if EPS is configured to look for Norton AV2006 version.
[Work around] Avoid configuring version if EPS check failed warning is coming in portal.
7. [SPR: 070314947]
[Symptom] In SSL10's login webpage, there is still a timeout windows popping-out after idle a long time
8. [SPR: 070314942]
[Symptom] Full tunnel mode failed if a client is a Windows 2003 server.
9. [SPR: 070314939]
[Symptom] Although declaration of the company logo is 144x51 pixels, it will scale to 176x81 pixels in portal actually.
[Work around] Upload logo file in "176x81" resolution
10. [SPR: 070314962]
[Symptom] Client can not access the portal if a remote client is IE7 + JRE-1.6.0

Features:

Modifications in 1.00(AQH.1)b4

1. [BUG FIX] 070110551
Symptom:
Full tunnel mode always failed if a remote client's network interface has two IPs.
Condition:
 - 1.Create a properly ssl policy for full tunnel mode.
 - 2.At remote client side (only one NIC), follow some steps as below
 - (i)Local Area Connection > Properties > Internet Protocol (TCP/IP) > Properties
 - (ii)Set a static IP address, and then click "Advanced"
 - (iii)Advanced > IP Settings, add a new IP alias in IP addresses, and then OK.
 - 3.The remote client login to SSL10, and Full tunnel mode always failed.
2. [BUG FIX] 070131647
Symptom:
Reverse Proxy "Null" output, access to http server answer with a html window with a null.
Condition:
 - 1.Set a properly SSL policy for Reverse Proxy(<http://wasd.vsm.com.au>).
 - 2.It is fine that a remote user to access http://wasd.vsm.com.au/ht_root through SSL10.

3. However, if the user change the url to http://wasd.vsm.com.au/ht_root/*.* directly, and the webpage could not display through SSL10
3. [BUG FIX] 070228429
Symptom:
If we set "Get from Time Server" in Maintenance > Date/Time webpage, DUT should synchronize to NTP server every 24 hours periodically.
Condition:
 1. If we set "Get from Time Server" in Maintenance > Date/Time webpage, DUT should synchronize to NTP server every 24 hours periodic.
 2. But this function can not work. Because the system time is drifting and no log displayed that DUT re-sync to time server after 40 hours
4. [BUG FIX] 070302177
Symptom:
After a remote user login to SSL10, the portal will display nothing if he belonged to AAA group. And full tunnel mode will failed as well.
Condition:
 1. Create several properly SSL applications such as owa, web application, and File sharing
 2. Create a group named AAAA to relative the external LDAP server (Windows 2003 AD server)
 3. Create a VPN Network rule and a Remote User IP rule
 4. Establish a ssl policy which combines these applications, VPN Network rule, and Remote User IP rule to belong AAAA group
 5. PC1, as the account of AAAA group in AD server. After he login to the portal with full tunnel mode, there is nothing shown in the portal
 6. If we use an account in local database to try again, everything is fine, i.e. Full tunnel established successfully, the portal displayed some SSL applications.
5. [BUG FIX] 070302178
Symptom:
The REOPRT is disorder when we tested AAA server problem.
Condition:
 1. The REOPRT is disorder when we tested AAA server problem
6. [BUG FIX] 070302230
Symptom:
A remote user can not access to SSL10 any more if we do the following steps.
Condition:
 1. In a new device Create a request named "Req.cer"
 2. "Req.cer" signed by our CHT CA server named "Req_signed.cer".
 3. Import the CA certificate and "Req_signed.cer"
 4. Change "Req_signed.cer" to default self-signed certificate and delete "DefaultCert.cer"

- 5.Reset SSL10 to default factory, and then we found "Req_signed.cer" will be replaced by "DefaultCert.cer" as a default self-signed certificate
- 6.Delete the trust CA certificate
- 7.Select "Req_signed.cer" as a default self-signed certificate
- 8.However, a remote user can not access to SSL10 any more.

7. [BUG FIX] 070302231

Symptom:

After reset to default factory, the "Req.cer" should be cleaned entirely. Please refer the following procedures..

Condition:

- 1.In a new device Create a request named "Req.cer"
- 2."Req.cer" singed by our CHT CA server named "Req_signed.cer".
- 3.Import the CA certificate and "Req_signed.cer"
- 4.Change "Req_signed.cer" to default self-signed certificate and delete "DefaultCert.cer"
- 5.Delete the trust CA certificate
- 6.Reset SSL10 to default factory, and then we found "Req_signed.cer" will be replaced by "DefaultCert.cer" as a default self-signed certificate
- 7.Create the same request named "Req.cer" again, and there is an error message shown "Private Key Identifier already exists"

Modifications in 1.00(AQH.1)b3

1. [BUG FIX] 061213836

Symptom:

EPC failed when set McAfee Antivirus.

Condition:

- 1.EPC failed when set McAfee Antivirus

2. [BUG FIX] 070129500

Symptom:

In Gateway mode, OWA can not work via HTTPS.

Condition:

- 1.PC1---(W)SSL10(L)---PC2(Win2003_server_En with Exchange 2003: 192.168.1.33)
- 2.Create a properly OWA rule and the address is set https://192.168.1.33
- 3.PC1 access the OWA link through SSL10. However, after keying-in username and password, the web page is unavailable

3. [BUG FIX] 070116790

Symptom:

EPS Failure for checking Norton AV 2007.

Condition:

- 1.EPS Failure for checking Norton AV 2007

4. [BUG FIX] 070131646

Symptom:

Change the default in the GUI to be "I am connecting via Public computer".

Condition:

1. Change the default in the GUI to be "I am connecting via Public computer"

Modifications in 1.00(AQH.1)b2

1. [BUG FIX] 061207536

Symptom:

Another self-signed certificate can not be added.

Condition:

1. Another self-signed certificate can not be added

2. [BUG FIX] 061226907

Symptom:

In "Trusted Certificates" web page, the trusted certificate can not be edited after we import a trusted certificate. There should be an "Edit" button.

Condition:

1. In "Trusted Certificates" web page, the trusted certificate can not be edited after we import a trusted certificate. There should be an "Edit" button

3. [BUG FIX] 070103148

Symptom:

Self-Signed Certificate handling, replacement not possible

Condition:

1. Self-Signed Certificate handling, replacement not possible

4. [BUG FIX] 0701041214

Symptom:

Device dead for unknown reason. see also SPR 070116759.

Condition:

2. We have a SSL10 device in our company gateway which played as "Along with Firewall" scenario
3. At this noon, we found SSL10 has 99% of memory usage but concurrent user is "0"
4. When we tried to login to the console, the console is halted after entering username and password.

5. [BUG FIX] 070109506

Symptom:

File Sharing of SSL VPN, the file name will be cut if the file in 6th layer directory.

Condition:

1. Set a proper file sharing policy and client can access successfully
2. Create six directory in depth at least (i.e. SharingName/aa/bb/cc/dd/ee/ff)
3. Upload a file that has a long file name, and we found the file name will be cut

4. Enlarge the length to 256 bytes
6. [BUG FIX] 070109507
Symptom:
File Sharing of SSL VPN, the file can not rename if the file in 6th layer directory and the file name length is 46 characters.
Condition:
 1. Set a proper file sharing policy and client can access successfully
 2. Create six directory in depth at least (i.e. SharingName/aa/bb/cc/dd/ee/ff)
 3. Upload a file that has a long file name such as
"12345678901234567890123456789012345678901234567890.pdf", and we found the file name will be cut as
"12345678901234567890123456789012345678901234567890123456"
 4. If we try to change the file name from
"12345678901234567890123456789012345678901234567890123456" to
"52345678901234567890123456789012345678901234567890123456", it is failed
 5. This can also be referred to SPR 070109506
7. [BUG FIX] 070115739
Symptom:
Full tunnel mode will fail if there are already 22 clients login SSL10's portal with full tunnel mode.
Condition:
 1. 30 clients------(W)Firewall(D)-----(W)SSL10(L)
 2. Create 30 users for accessing SSL10.
 3. Establish a properly SSL policy with Remote IP Pool and VPN network, and then apply to 30 users. Please refer the attachment
 4. The 30 users login to SSL's portal one by one.
 5. Before the 23th client login, everything is fine i.e. Each client can get PPP interface and access application through SSL10 normally
 6. When the 23th client try to login SSL's portal, full tunnel always failed and the error message shown "Following error occurred! Failed to Load FULL VPN Access Mode"
 7. However we change PC to test, the error message always happened
 8. If we kick-out one of succeeded users, the 23th client will be successful to login and get its PPP interface.
8. [BUG FIX] 070116759
Symptom:
Memory leak if SSL10 running about 10 days later.
Condition:
 1. We have a SSL10 device in our company gateway which played as "Along with Firewall" scenario
 2. At this noon, we found SSL10 has 99% of memory usage but concurrent user is "0"

3. When we tried to login to the console, the console is halted after entering username and password
 4. We are trying to reproduce this issue, and we also need some debug commands to gather useful information if we met the problem again.
9. [BUG FIX] 070129509
- Symptom:
Some log messages still have the wording of 0.0.0.0 for IP address, and 0 for port number.
- Condition:
1. Change admin's password, ZERO source and destination port "26 Jan 23 19:10:22 notice All Web- Admin password has been modified 0.0.0.0:0 0.0.0.0:0"
 2. Port presents 0 "27 Jan 23 19:19:46 informational All Web- config user admin logged in from ipaddr 10.10.1.25 10.10.1.25:0 10.10.2.100:0"
10. [BUG FIX] 070129505
- Symptom:
In File Sharing, the file's date modified is different.
- Condition:
1. PC1----(W)SSL10(L)----PC2(file share)
 2. Set a properly file sharing rule and make sure a remote user can access it through SSL10
 3. PC1 as a remote user login SSL10's file sharing portal
 4. In PC2's file sharing folder, create a file named "test", and it's date modified is 2007/1/29 14:05
 5. However, after refreshing the SSL10's file sharing portal, we found the "test" file's date modified is Mon Jan 29 22:11:02 2007.
11. [BUG FIX] 070129501
- Symptom:
Error in "Certificate Space in use" Bar.
- Condition:
1. We also discovered the Error in "Certificate Space in use" Bar
12. [BUG FIX] 070201012
- Symptom:
In Wizard Step4, the wording of "acess" should be "access".
- Condition:
1. In Wizard Step4, the wording of "acess" should be "access".

Modifications in 1.00(AQH.1)b1

1. [BUG FIX] 070103150
- Symptom:
"Cookie with OEM Name".

Condition:

1. "Cookie with OEM Name".

2. [BUG FIX] 0701041214

Symptom:

Device dead for unknown reason.

Condition:

1. We have a SSL10 device in our company gateway which played as "Along with Firewall" scenario.
2. At this noon, we found SSL10 has 99% of memory usage but concurrent user is "0"
3. At this noon, we found SSL10 has 99% of memory usage but concurrent user is "0"

3. [BUG FIX] 070109505

Symptom:

The wording of "Assignment" is wrong, and it should be "Assignment".

Condition:

1. In wizard, select "Install on Gateway's DMZ port" in Wizard and then next.
2. You will see the field of "IP Address Assignment". The wording of "Assignment" is wrong, and it should be "Assignment"

4. [BUG FIX] 070109508

Symptom:

OWA can not display chinese characters by firefox browser.

Condition:

1. Set a proper file sharing policy and client can access successfully
2. Remote client used firefox (1.5.0.1) browser to access OWA through SSL10.
3. Edit a new mail with chinese characters in subject and content, and then send to another. However, we found the received mail can not display chinese characters.

5. [BUG FIX] 070115739

Symptom:

Full tunnel mode will fail if there are already 22 clients login SSL10's portal with full tunnel mode.

Condition:

1. 30 clients------(W)Firewall(D)-----(W)SSL10(L)
2. Create 30 users for accessing SSL10.
3. Establish a properly SSL policy with Remote IP Pool and VPN network, and then apply to 30 users. Please refer the attachment
4. The 30 users login to SSL's portal one by one.
5. Before the 23th client login, everything is fine i.e. Each client can get PPP interface and access application through SSL10 normally

6. When the 23th client try to login SSL's portal, full tunnel always failed and the error message shown "Following error occurred! Failed to Load FULL VPN Access Mode"
 7. However we change PC to test, the error message always happened
 8. If we kick-out one of succeeded users, the 23th client will be successful to login and get its PPP interface
-
6. [BUG FIX] 070115740
Symptom:
CPU usage exceeds 99% if there are 21 clients login to SSL10's portal.
Condition:
 1. 21 clients login SSL10's portal with full tunnel mode. Several clients (about 10) do file download/upload stress.
 2. CPU usage always exceeds 99%.
-
7. [BUG FIX] 070116759
Symptom:
Memory leak if SSL10 running about 10 days later.
Condition:
 1. We have a SSL10 device in our company gateway which played as "Along with Firewall" scenario
 2. At this noon, we found SSL10 has 99% of memory usage but concurrent user is "0"
 3. When we tried to login to the console, the console is halted after entering username and password
-
8. [BUG FIX] 070116785
Symptom:
In Policy>Policy Information>Edit Policy>ZyWALL SSL-VPN SecuExtender, the "Allow Full Network Access" checkbox should be consistent whether creating a new rule or edit an existing rule.
Condition:
 1. If we create a new ssl policy rule, the checkbox named "Enable" in Policy>Policy Information>Edit Policy>ZyWALL SSL-VPN SecuExtender
 2. If we edit an existing ssl policy rule, the checkbox named "Allow Full Network Access" in Policy>Policy Information>Edit Policy>ZyWALL SSL-VPN SecuExtender
 3. For both conditions, the checkbox should be named "Allow Full Network Access"
-
9. [BUG FIX] 070129508
Symptom:
If we set "Get from Time Server" in Maintenance > Date/Time webpage, DUT should synchronize to NTP server every 24 hours periodically.
Condition:

www.zyxel.com

- 1.If we set "Get from Time Server" in Maintenance > Date/Time webpage, DUT should synchronize to NTP server every 24 hours periodically
- 2.This feature must be enhanced

10. [BUG FIX] 070129501

Symptom:

Error in "Certificate Space in use" Bar.

Condition:

- 2.We also discovered the Error in "Certificate Space in use" Bar
- 3.Some times the bar graph shows the flash memory usage as 50%.