VTS Series Firmware Version 1.8.0 Release Notes

November 28, 2005

INTRODUCTION

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These release notes describe new features added and bugs fixed since the firmware V1.7.0.1 release.

ENHANCEMENTS

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+ Added the virtual KVM support.

+ Added the security profiles(Standard, custom, secure).

+ Added the ability to configure the web port (default port : http=80, https=443)

+ Added an option to disable reverse DNS lookup.

+ Added an option to specify a system log file name.

+ Added the "Radius down - Local" authentication for CLI access.

+ Added the time zone list.

+ Added the email notifications for the traps on the main SNMP page configurable per trap

+ Increased the max number of outlets per port. (up to 8)

+ Added a drop down list for UDP, TCP and ICMP protocol in IP Filtering configuration.

+ Added [View] button to display system logs or port logs on the pop-up window.

+ Added the checkbox to enable/disable the NMS configuration on the SNMP configuration page.

+ WEP key string for wireless PC card is stored as an encrypted form.

+ HTTP will be redirected to HTTPS in default configuration.

+ Default /etc/ldapauth file is changed to restrict searchbase only to user.

BUG FIXES

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- Fixed the problem in using SSH public-key authentication to the CLI.

- Fixed the problem in setting power permission of added power outlets through the editconf.

- Fixed the problem in disabling the power controller email alert and remote port email alert automatically if SMTP configuration was disabled
- Fixed the problem in applying IP mode of eth0 and eth1 both as static.
- Fixed the problem in changing configuration of SNMP daemon via NMS.
- Fixed the problem in applying 'Set factory default a port' on a remote port.
- Fixed the problem in accessing slave unit from master unit via Web UI.
(Incorrect parameter initialization is caused in some cases.)
- Fixed the problem in sending a log to Syslog server if there is a "<" character in the log message.
- Fixed the problem in sending a port login trap if the protocol of the port is SSH and the port is accessed from the port access menu.
- Fixed the problem in accessing a remote port after resetting it.
- Fixed the problem in sending port login trap/email for TCP port with none authentication.
- Fixed the problems related with the power controller.
- Fixed the problem with setting more than two serial ports as factory default in the editconf.
- Fix the problem in displaying the log after reducing the log file size.
- Fixed the problem with RawTCP delimiter option.

NOTES
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* "kinit"(KEBEROS authentication client) and "pppd"(PPP daemon for PPPOE mode) are removed from firmware image due to the space problem.
But you can use the feature if you place them on user space.(/usr2) Please contact the Sena Support if you need these binaries.

KNOWN BUGS
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* None.

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ENHANCEMENTS

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+ Added the virtual KVM support.

　콘솔 서버 모드의 시리얼 포트에 연결된 호스트나 리모트 포트로 연결되는 원격 호스트가 KVM 기능을 제공할 경우, VTS는 사용자가 KVM 클라이언트 프로그램을 이용하여 호스트에 연결할 수 있는 수단을 제공합니다(Manual Page 64)

- Windows remote desktop connection, VNC, Radmin, Xmanager 및 User defined 지원합니다.

- Serial Port Connection 메뉴에 KVM에 접속할 수 있는 아이콘이 나타납니다.
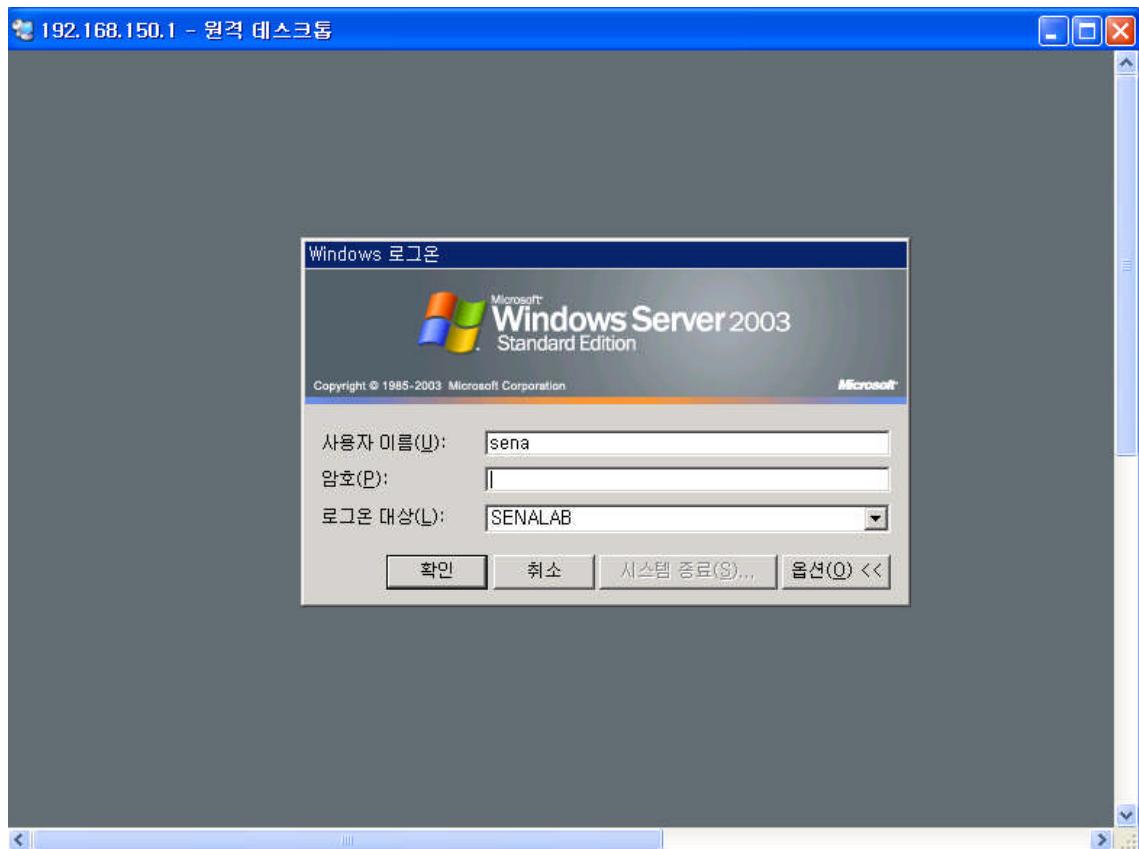
+ Added the security profiles(Standard, custom, secure).

보안 수준을 설정할 수 있는 기능이 추가되었습니다. Custom으로 설정되면 각각의 보안 항목을 사용자가 지정할 수 있습니다. Standard 또는 Secure로 설정되면 해당 보안 수준에 해당하는 값으로 자동 설정 됩니다. Factory default로 재설정하면 보안 수준은 Standard로 설정됩니다. 보안 수준별 보안 항목의 값은 다음과 같습니다.(Manual Page 132)

Security Item	Custom	Standard	Secure
SNMP (get/set)	Configurable	Disable	Disable
Discovery (MANAGER)	Configurable	Enable	Disable

Telnet	Configurable	Disable	Disable
SSH	Configurable	Enable	Enable
SSH V1	Configurable	Disable	Disable
HTTP	Configurable	Redirect to HTTPS	Disable
HTTPS	Configurable	Enable	Enable
All ports	Configurable	Any	Any
Set all ports to	Configurable	Any	SSH
Stealth mode	Configurable	Disable	Enable

+ Added the ability to configure the web port (default port : http=80, https=443)

HTTP 및 HTTPS 의 포트를 설정할 수 있는 기능이 추가되었습니다.(Manual Page 39)

Web server configuration

Web page refresh rate for statistics data display (0-1800, 0 for no refresh) : 10 seconds
Login timeout (0-1440, 0 for unlimited) : 60 minutes
Authentication method : Local
Eliminate root access : Disable
Serial ports count on connection page (16-90) : 50
Web applet option : Built-in with SSH2
HTTP port : 80
HTTPS port : 443

+ Added an option to disable reverse DNS lookup.

Reverse DNS lookup 을 설정할 수 있는 기능이 추가되었습니다. (Manual Page 42)

Reverse DNS lookup을 Enable로 설정하면, VTS는 xxx.xxx.xxx.xxx 형식의 IP 주소를 도메인 이름으로 변경하여 표시합니다. 단, 호스트가 Name Server 에 등록되어 있어야 합니다.

TCP service configuration

TCP keepalive configuration

TCP keepalive time(sec) : 15
TCP keepalive probes(times) : 3
TCP keepalive intervals(sec) : 5

Reverse DNS lookup configuration

Reverse DNS lookup : Enable

+ Added an option to specify a system log file name.

사용자가 System Log 의 저장 파일명을 지정할 수 있는 기능이 추가되었습니다. 기본값은 logs 입니다.(Manual page 120)
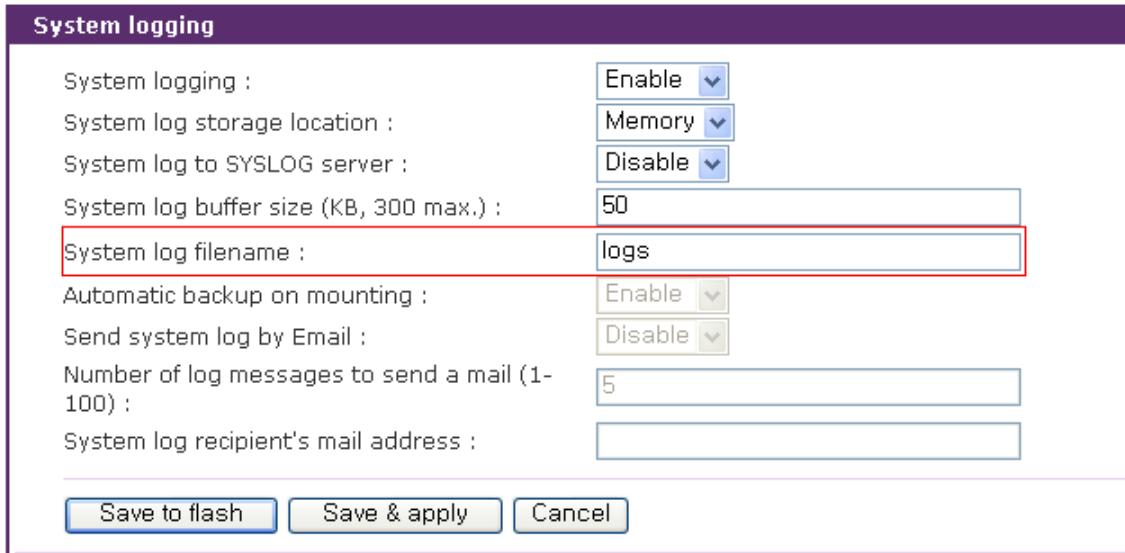
+ Added the "Radius down – Local" authentication for CLI access.

CLI 접속시 "Radius down-Local" 인증을 지원하는 기능이 추가되었습니다.(Manual Page 154)

+ Added the time zone list.

Date & Time 설정시 Time Zone 리스트를 지원합니다.

사용자는 "Select [Standard Time] and [Daylight saving time] from list" 버튼을 누르면 지역을 선택할 수 있는 창이 나타납니다. 사용자는 대륙,국가 와 지역을 선택하면 자동으로 Time Zone 이 설정됩니다.(Manual Page 129)

Date and time

Use NTP :	Disable
NTP server (0.0.0.0 for Auto) :	192.168.200.100
Date [mm/dd/yyyy] :	05/27/2006
Time [hh:mm:ss] :	12:27:46

Select [Standard time] and [Daylight saving time] from list

[Standard time]

Timezone :	KST
Time offset from UTC (UTC + [x.x]hours) :	9

[Daylight saving time]

Enable/Disable daylight saving time :	Disable
Daylight saving timezone :	
Time offset from UTC (UTC + [x.x]hours) :	0.0
Start date [mm/dd] :	01/00
Start time [hh:mm:ss] :	00:00:00
End date [mm/dd] :	01/00
End time [hh:mm:ss] :	00:00:00

Select timezone from list

Continent :	Asia - Others
Country :	Korea
District :	South
Timezone name :	Asia/Seoul

[Standard time]

Timezone :	KST
Time offset from UTC (UTC + [x.x]hours) :	9

[Daylight saving time]

Daylight saving time :	Disable
Timezone :	
Time offset from UTC (UTC + [x.x]hours) :	
Start date [mm/dd] :	
Start time [hh:mm:ss] :	
End date [mm/dd] :	
End time [hh:mm:ss] :	

OK   Cancel

+ Added the email notifications for the traps on the main SNMP page configurable per trap

SNMP Page 에서 Trap 에 대한 Email 전송을 설정할 수 있도록 추가되었습니다.(Manual page 28)

+ Increased the max number of outlets per port. (up to 8)

하나의 포트에 지정할 수 있는 Power Outlet 의 수를 최대 8개까지 지정할 수 있도록 추가
되었습니다.(Manual Page 83)

+ Added a drop down list for UDP, TCP and ICMP protocol in IP Filtering configuration.
IP filtering 에서 프로토콜에 대해 지정할 수 있도록 추가되었습니다.

+ Added [View] button to display system logs or port logs on the pop-up window.
System Log 및 Port Log 화면에서 [View]버튼이 추가되어 [View] 버튼 클릭 시 새로운
창이 나타나서 log를 볼 수 있는 기능이 추가되었습니다.(Manual page

+ Added the checkbox to enable/disable the NMS configuration on the SNMP configuration page.

SNMP configuration 에서 Check box를 통해 Enable / Disale 할 수 있도록 추가되었습니다.

Access control settings (NMS)

	IP Address	Community	Permission
☑	192.168.100.101	senavts	Read only
☐	0.0.0.0	public	Read only
☐	0.0.0.0	public	Read only
☐	0.0.0.0	public	Read only

Trap receiver settings

	IP Address	Community	Version
☐	0.0.0.0	public	v1
☐	0.0.0.0	public	v1
☐	0.0.0.0	public	v1
☐	0.0.0.0	public	v1

+ WEP key string for wireless PC card is stored as an encrypted form.

PCMCIA 무선 랜카드 사용 시 WEP key 설정을 저장할 때 암호화하여 저장하도록 수정하였습니다.

+ HTTP will be redirected to HTTPS in default configuration.

Secure ptofile 에서 HTTP 의 동작을 "Redirect to HTTPS"를 지정했을 경우 사용자가 HTTP로 VTS 에 접속할 때 아래 화면 후 약 5초 후 자동으로 HTTPS로 접속합니다.(Manual Page 134)

HTTP is not available...

HTTP is not available. Please, CLICK HERE to connect via HTTPS.

+ Default /etc/ldapauth file is changed to restrict searchbase only to user.

LDAP Authentication 시 기존에는 Group을 읽어 처리했으나 1.8.0 부터는 User 정보를 읽어 처리할 수 있도록 수정되었습니다.