RADIUS Server 2.0 Release Notes

Introduction

A complete description of RADIUS™ server 2.0 functionality can be found in the *RADIUS Administrator's Guide*. This guide is shipped with many Livingston products; if it was not shipped with your unit, it is available:

- Via anonymous FTP at **ftp.livingston.com/pub/livingston/doc/manuals**
- At Livingston's www site at **http://www.livingston.com**
- By calling Livingston at (800) 458-9966 within the USA (including Hawaii), Canada and the Caribbean or by dialing +1 (510) 426-0770 from outside these areas

This release note describes RADIUS server 2.0 functionality not covered in the *RADIUS Administrator's Guide.*

RADIUS Enhancements

In addition to the features described in the *RADIUS Administrator's Guide*, RADIUS server 2.0 includes the following enhancements:

- UNIX systems that use ***** and ***NP*** in their **/etc/passwd** files as a reference to the **/etc/shadow** file are now supported.
- A series of attributes have been renamed for clarity purposes. Old attribute names are accepted in RADIUS server 2.0 for backward compatibility, however, they may not be accepted in future RADIUS server releases.

Old Attribute	New Attribute
Client-Id	NAS-IP-Address
Client-Port-Id	NAS-Port-Id
User-Service-Type	Service-Type
Framed-Address	Framed-IP-Address
Framed-Netmask	Framed-IP-Netmask
Framed-Filter-Id	Filter-Id
Login-Host	Login-IP-Host
Login-Port	Login-TCP-Port
Port-Message	Reply-Message
Dialback-No	Callback-Number
Dialback-Name	Callback-Id
Challenge-State	State
Password = "UNIX"	Auth-Type = System

- Three dictionary values have been renamed for clarity purposes. Old value names are accepted in RADIUS 2.0 for backward compatibility, however, they may not be accepted in future RADIUS releases.

Attribute	Old Value	New Value
Service-Type	Dialback-Login-User	Callback-Login-User
Service-Type	Dialback-Framed-User	Callback-Framed-User
Framed-Compression	Van-Jacobsen-TCP-IP	Van-Jacobson-TCP-IP

RADIUS-related Bugs Fixed in this Release

The following RADIUS-related bugs have been fixed:

- If a menu user entered a username and incorrect password in ComOS 3.3.1 and earlier, an incorrect menu was displayed. This problem has been corrected in ComOS 3.3.2; an **Invalid Login** message is displayed when this occurs.
- The RADIUS server now caches IP addresses for greater efficiency.
- In ComOS 3.3.1 or earlier, Filter-Ids longer than 12 characters caused the PortMaster to reboot. This problem has been corrected in ComOS 3.3.2.
- In RADIUS 1.16, if a user record contained an incorrectly formatted Expiration date (for example, the Expiration check item was **"Oct 1 1996"**, rather than **"Oct 01 1996"**), the user would be authenticated even after this expiration date. With RADIUS server 2.0, attempts on or after the expiration date display an **Account has expired** message. Incorrectly formatted expiration dates are now logged.
- Password expiration specified with the Expiration check item in a user record now occurs at exactly midnight on the specified date. In RADIUS 1.16, password expiration could occur at any time on the specified date.
- Previously, when the PortMaster received an access-challenge message from the RADIUS server, the PortMaster would permit the PPP client to connect. This has been corrected in ComOS 3.3.3; the PortMaster now sends a PAP NAK to the PPP client to prompt the user for additional input.
- RADIUS source code is now ANSI C compliant.

Additional Notes

If a Termination-Menu is defined in a menu, an extra Stop record is generated when a user exits the termination menu. In the RADIUS accounting logs, 2 Stop records appear; one for the act of exiting the menu, and one for the termination of the user's session. Both Stop records will have the same Acct-Session-Id; this Id will match the corresponding Start record.

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To contact Livingston technical support by voice, dial 1-800-458-9966 within the US or 1-510-426-0770 outside the US, by FAX, dial 1-510-426-8951, by electronic mail, send mail to support@livingston.com, and through the World Wide Web at http://www.livingston.com/.