

Decoding a Sniffer-trace of RADIUS Transaction

Document ID: 13845

Including Attribute 26

The layout of Remote Authentication Dial In User Service (RADIUS) packets for authentication and accounting is described in RFCs 2138 and 2139. This document provides an example of the breakdown of packets in an exchange between a RADIUS client and a RADIUS server, which includes sending vendor-specific attribute 26, and our vendor code 9 (Cisco). The RADIUS client is rtpkrb.rtp.cisco.com and rtp-pinecone.rtp.cisco.com is the RADIUS server. In the following exchange:

6. rtpkrb sends an access-request to rtp-pinecone.
5. rtp-pinecone sends an access-accept to rtpkrb.
4. rtpkrb sends an accounting-request (start) to rtp-pinecone.
3. rtp-pinecone sends an accounting-response to rtpkrb.
2. rtpkrb sends an accounting-request (stop) to rtp-pinecone.
1. rtp-pinecone sends an accounting-response to rtpkrb.

```
PktID Timestamp      Size Source Node          Destination Node  Status Protocol
-----
  1 18:14:20.355    0119 rtpkrb.rtp.cisco.  rtp-pinecone.rtp.      DoD UDP

Frame 1 Size    119 Absolute Time Sep 21 18:14:20.355 ASCII MODE
-----
00000: 08 00 20 1a 5f 3d 00 00 0c 5c 5b 38 08 00 45 00  .. ._=...\[8..E.
00016: 00 65 04 e0 00 00 fd 11 8b da 0a 1f 01 05 ab 44  .e.....D
00032: 76 65 06 6d 06 6d 00 51 af 1b 01 09 00 49 a4 74  ve.m.m.Q....I.t
00048: 24 e1 6f ce 77 79 88 6e e7 be 3c fe 0d a2 04 06  $.o.wy.n..747 ASCII MODE
-----
00000: 00 00 0c 5c 5b 38 08 00 20 1a 5f 3d 08 00 45 00  ...\[8.. ._=..E.
00016: 00 30 9c 3f 00 00 3c 11 b5 b0 ab 44 76 65 0a 1f  .0.?...
```

Related Information

- [RADIUS in IOS Documentation](#)
 - [Requests for Comments \(RFCs\)](#)
-

All contents are Copyright © 1992—2003 Cisco Systems Inc. All rights reserved. Important Notices and Privacy Statement.

Updated: Jul 24, 2007

Document ID: 13845
