

RADIUS Issues & Fixes

<http://www.ietf.org/internet-drafts/draft-aboba-radext-fixes-00.txt>

David Nelson
Enterasys Networks
Bernard Aboba
Microsoft Corporation
Alan DeKok
Infoblox, Inc.

Introduction

- Increasing deployments of RADIUS clients and servers.
- Implementation and interaction problems.
- Document strives to address issues, and suggest fixes.
- Proposed as WG item.

Suggestions

- Proper client use of State attribute.
- Request ID supplementation (RFC 3579, 2.6.1) is complex, draft offers alternative.
- Re-transmits should use jitter and congestive back-off to avoid creating problems.
- Handle overload conditions by selectively accepting requests for ongoing sessions.

Clarifications

- Accounting attributes may be included in Interim Updates.
- Multiple Filter-Id's should be avoided due to unpredictable side-effects.
- Clients **SHOULD** treat Access-Accept for unknown services as reject.
- Servers **SHOULD NOT** send VSA's to a NAS unless the NAS understands them.

Corrections

- RFC 2869, Section 2.2 uses Access-Reject incorrectly, should use Access-Challenge.
- Multiple services to be handled individually.
- Define calculation for Message-Authenticator in Disconnect, CoA, and Accounting-Request.
- Authorize-Only is a subject for discussion.
- User-Password security issues with NASes using EAP. (*not in draft*)

Questions?

- RFC 3576 clarifications may belong in RFC 3576bis?
- Document as WG item?
- Other?