

Large Packets for RADIUS

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[draft-harman-radext-bigger-packets](#)

Goals

- Carry packets with more than 4096 octets of attributes
- Provide transport-friendly solution when infrastructure can change
 - Multiple fragments in-transit at once
 - Handle PMTU correctly

Solution

- Increase the maximum packet size for TCP and TLS
- Define new RADIUS code when a too-large request is received
- Define attribute for clients to indicate maximum response size they support
- Compliments draft-ietf-radext-radius-fragmentation

Open Issue: Capability Negotiation

- Currently, no way to tell if server supports large packets
- Mitigated by experimental status of TCP transport and no reasonable fallback
- Big problem: proxies with multiple outstanding requests
- Negotiation strongly desired

Open Issue: Error Response

- Currently a new code is returned when a too-large packet sent
- Proposal: use access-reject for this
- Access-reject possible for access-request but not other codes

Authors' Plans for Draft

- Resolve capability negotiation
- Make decision on error return
- See if there is support to adopt

Questions?