

Diameter Application for Authentication and Authorization in Web Applications

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Diameter WebAuth

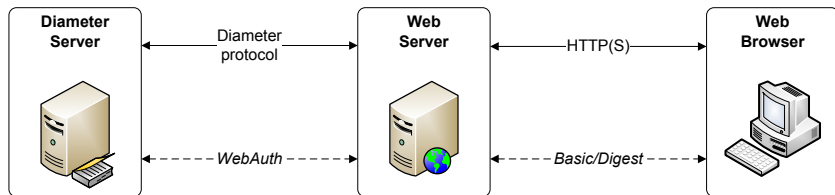


Figure: Diameter WebAuth overview

- Diameter WebAuth authentication and authorization between Diameter server and Web server.
- HTTP basic and digest access authentication (RFC 2617) between Web server and browser.

Diameter WebAuth - Example

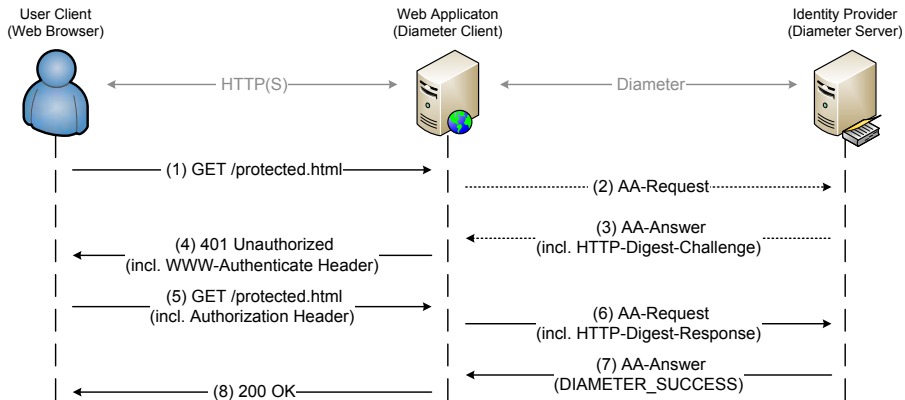


Figure: Diameter WebAuth - HTTP digest example

ID Status

- Version -01
- Support for basic/digest authentication (RFC 2617)
- Basic authorization attributes: URI, Service, Remote-User, User-Name, Remote-Address
- Diameter counterpart for “RADIUS Extension for Digest Authentication” (RFC 5090)

Circumference

- Open-source implementation of Diameter WebAuth
- Diameter base library
- Diameter server including WebAuth module
- Apache httpd 2.x modules that implement WebAuth clients
- <http://circum.sourceforge.net/>

Further implementation work

- WebAuth implementations for
 - OpenDiameter
 - waaad daemon
 - PHP
 - ...

possibly as student projects at University of Goettingen if people are interested in it

Why WebAuth is interesting for the IETF

- Diameter benefits from attractive applications to expand deployment
- Diameter is ideal candidate for authentication/authorization back-end for web applications
- Draft is small and simple
- Implementation already available
- Closes a gap between RADIUS and Diameter

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