Содержание

Access-Accept format for the PPPoE networks

The Access-Accept response means that the subscriber is authorized, the balance is sufficient, and he is assigned an IP address. Attributes:

- `Framed-IP-Address` - is mandatory one: the IP address assigned to the subscriber.
- `Idle-Timeout` - is optional one: idle timeout, in seconds. The PPPoE session will be terminated if there is no packets being transferred from/to the subscriber during this time. If this attribute is not specified, the session is considered to be unlimited (until it is explicitly terminated by the subscriber)
- `Reply-Message` - is optional one: message to be sent to the subscriber in the PPP Auth-Ack response
- `Session-Timeout` - is optional one: max session lifetime, in seconds
- `Acct-Interim-Interval` - is optional one: the period the accounting intermediate data to be sent, in seconds (can not be less than 60). 0 - do not send accounting intermediate data.

  ![!] Explicitly setting `Acct-Interim-Interval = 0` in the RADIUS response disables sending Interim-Update.
- `Class` - is optional one: if this attribute is specified then it will be sent "as is" in all the accounting packets
- `MS-CHAP2-Success` - Microsoft VSA attribute [RFC2548], is mandatory for the MS-CHAPv2 authorization

Поддерживаются следующие VSA-атрибуты Microsoft (vendor-id=311, RFC2548), все они не являются обязательными:

- `MS-Primary-DNS-Server` - the IP address of the primary DNS server
- `MS-Secondary-DNS-Server` - the IP address of the secondary DNS server
- `MS-Primary-NBNS-Server` - the IP address of the primary NetBios server
- `MS-Secondary-NBNS-Server` - the IP address of the secondary NetBios server

VASExperts VSA attributes (vendor-id=43823) are not mandatory:

[41] `VASExperts-DHCP-DNS` - the IP address of the DNS server. There can be no more than two VASExperts-DHCP-DNS attributes: one for the primary DNS server and one for the secondary one.

DNS server addresses can be specified through Microsoft VSA-attributes or VASExperts VSA-attributes.

In addition to the mentioned above attributes, Access-Accept must contain a subscriber policing profile and the activated services list, see [subscriber properties attrubutes](#)

Session lifetime

If the response doesn't contain the `Session-Timeout` attribute, the PPPoE session is considered to be unlimited and will be terminated either by explicit disconnection performed by subscriber or due to inactivity timeout being exceeded.

If the `Session-Timeout` is specified, then the VAS Experts DPI will break the PPPoE session after the expiry of a prescribed period. The PPPoE session break is clearly described in the PPP/PPPoE specifications and consists in sending special term messages to the subscriber; the subscriber, having received term, can create a new PPPoE-session.