

FreeRADIUS

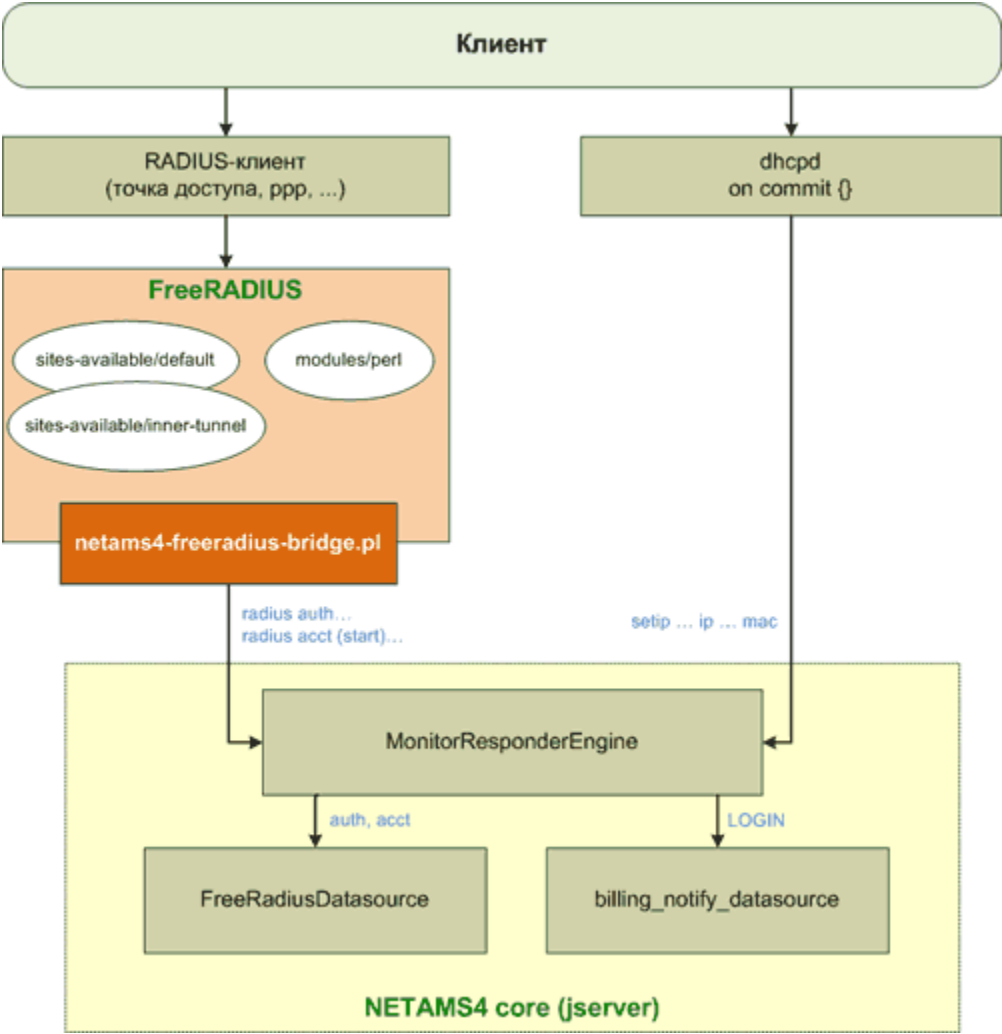
FreeRADIUS, EAP (Wi-Fi, RADIUS-EAP/MSCHAPv2), NETAMS4 RADIUS-FreeRADIUS.

NETAMS 4.0.1522 (03 2013).

FreeRadiusDataSource, interim_interval(), FreeRADIUS (N).

LocalJustRadius, RADIUS-, VPN-.

FreeRadiusDataSource FreeRADIUS MonitorResponderEngine, - netams4-freeradius-bridge.pl ()



RADIUS-, (Wi-Fi), "-" (PEAP/EAP-MSCHAPv2). () WiFi-. (Windows, iOS) Ubiquiti UniFi, (,) RADIUS (802.1x).

WPA/WPA2 PSK (Personal), FreeRADIUS (/etc/freeradius/users). NETAMS :

- (- , VPNService , XPrepaidByDaysVPN1, PeriodicFeeIncludedVolume, PeriodicFeeRateLimit ())
- ,
- (, " IP"
- (, ,)

FreeRadiusDataSource, FreeRADIUS DHCP ()

() FreeRADIUS-, -. FreeRADIUS - netams4-freeradius-bridge.pl, (), MIME64, NETAMS
/jserver (n4ctl, UDP-, 20003).

NETAMS4/jserver MonitorResponderEngine, :

- , FreeRadiusDataSource,
- MIME64 (AVPairs)
- authorization accounting

(authorization) -, username. (web username), (,). , FreeRadiusDataSource - MonitorResponderEngine - netams4-freeradius-
bridge.pl - FreeRADIUS (- NTLM). , (), , .
(start) MAC- (acctunit).: 2, IP- RADIUS- ! (update) () .: Ubiquiti UniFi . (stop) MAC IP address , LOGOFF.
, IP- . , , (FreeRADIUS) . DHCP, DHCP- (ISC DHCPD), . n4ctl setip MAC- IP-; MAC- (RADIUS ACCT
) , IP , LOGIN .

FreeRADIUS (,). (NAS) /etc/freeradius/clients.conf - IP- RADIUS- (,).

perl (authorization) EAP- (inner-tunnel). , mschap eap .

perl (accounting) (default).

netams4-freeradius-bridge.pl PERL- (modules/perl) example.pl.

FreeRADIUS Perl- libperl, . , Debian Linux /etc/default/freeradius

LD_PRELOAD=/usr/lib/libperl.so.5.10
export LD_PRELOAD

FreeRadiusDataSource

, DHCP- IP-, /etc/dhcp/dhcpd.conf subnet{ ... }

```
on commit {
    set clip = binary-to-ascii(10, 8, ".", leased-address);
    set clhw = binary-to-ascii(16, 8, ":", substring(hardware, 1, 6));
    execute("/usr/local/netams4/jserver/bin/n4ctl", "setip", "commit", clip, clhw);
}
```

FreeRADIUS -X, , netams4/logs/jserver.log :

```
2013-03-06 10:18:33,535 DEBUG [monitor_responder] com.netams.netams4.datasource.FreeRadiusDataSource - RAD_AUTH:
authenticated user 'user' having SE=1
2013-03-06 10:18:33,547 DEBUG [monitor_responder] com.netams.netams4.datasource.FreeRadiusDataSource - RAD_AUTH:
authenticated user 'user' having SE=1
2013-03-06 10:18:33,560 DEBUG [monitor_responder] com.netams.netams4.datasource.FreeRadiusDataSource - RAD_AUTH:
authenticated user 'user' having SE=1
2013-03-06 10:18:33,587 INFO [monitor_responder] com.netams.netams4.datasource.FreeRadiusDataSource - RAD_ACCT
START user='user' AU id=1 Wireless, SET MAC to '98:fe:94:9b:38:58'
2013-03-06 10:18:34,971 INFO [RMI TCP Connection(10)-172.16.130.80] com.netams.netams4.RPCBridgeEngine - CAJO
collection_subset [q='mod_name=backup_restore and mod_key=sys and attribute_name=root_url', 1, 1, unidata]
2013-03-06 10:18:34,973 INFO [RMI TCP Connection(10)-172.16.130.80] com.netams.netams4.RPCBridgeEngine - CAJO
collection_subset [q='mod_name=backup_restore and mod_key=sys and attribute_name=root_url', unidata] returns=1
2013-03-06 10:18:35,139 INFO [RMI TCP Connection(10)-172.16.130.80] com.netams.netams4.RPCBridgeEngine - CAJO
authservice_getinfo [10.1.1.11]
2013-03-06 10:18:36,108 DEBUG [monitor_responder] com.netams.netams4.MonitorResponderEngine - setip: cmd=commit,
IP=10.1.1.11, MAC=98:fe:94:9b:38:58
2013-03-06 10:18:36,109 DEBUG [monitor_responder] com.netams.netams4.MonitorResponderEngine - setip: notified
au=1, set ip to 10.1.1.11
2013-03-06 10:18:36,109 DEBUG [monitor_responder] com.netams.netams4.BillingEngine - billing_notify_datasource
LOGIN, AU=1, ip=10.1.1.11, DS=0, rule=[128kbit]
2013-03-06 10:18:36,192 DEBUG [datasource] com.netams.netams4.datasource.ScriptCallDataSource - DS:2, CMD: 'LOGIN
10.1.1.11 32 1 '128kbit' 1362550716', state=0
2013-03-06 10:26:58,665 INFO [monitor_responder] com.netams.netams4.datasource.FreeRadiusDataSource - RAD_ACCT
STOP user='user' AU id=1 Wireless, CLEAR MAC from '98:fe:94:9b:38:58' and IP from 10.1.1.11
2013-03-06 10:26:58,665 DEBUG [monitor_responder] com.netams.netams4.BillingEngine - billing_notify_datasource
LOGOUT, AU=1, ip=10.1.1.11, DS=0, rule=[]
2013-03-06 10:26:58,752 DEBUG [datasource] com.netams.netams4.datasource.ScriptCallDataSource - DS:2, CMD:
'LOGOUT 10.1.1.11 32 1 ' 1362551218', state=0
```

, FreeRADIUS .

