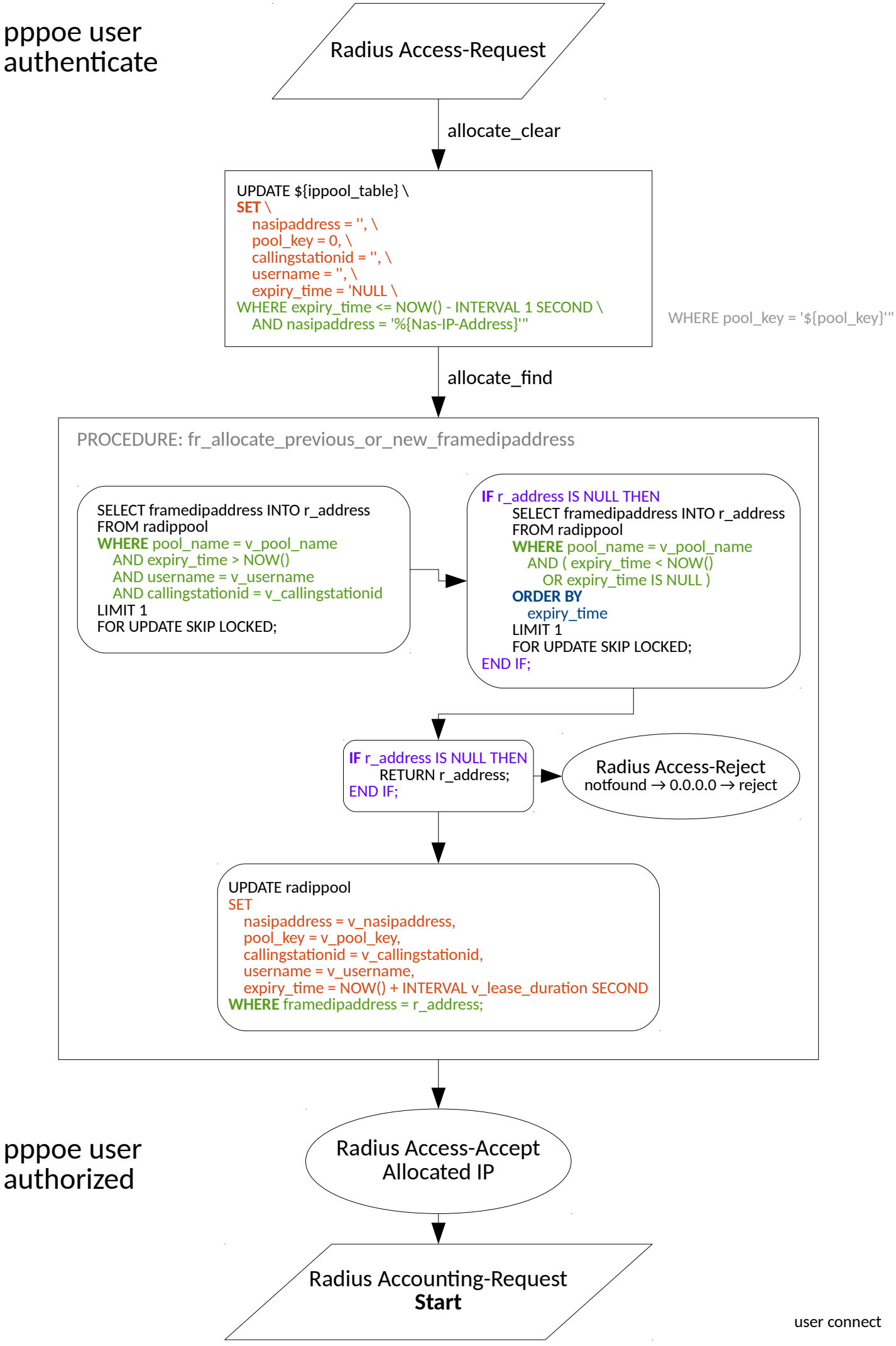

pppoe user
authenticate
Radius Access-Request
allocate_clear
UPDATE ${ippool_table} \
SET \
nasipaddress = '', \
pool_key = 0, \
callingstationid = '', \
username = '', \
expiry_time = 'NULL \
WHERE expiry_time <= NOW() - INTERVAL 1 SECOND \
AND nasipaddress = '%{Nas-IP-Address}'"
WHERE pool_key = '${pool_key}'"
allocate_find
PROCEDURE: fr_allocate_previous_or_new_framedipaddress
SELECT framedipaddress INTO r_address
FROM radippool
WHERE pool_name = v_pool_name
AND expiry_time > NOW()
AND username = v_username
AND callingstationid = v_callingstationid
LIMIT 1
FOR UPDATE SKIP LOCKED;
IF r_address IS NULL THEN
SELECT framedipaddress INTO r_address
FROM radippool
WHERE pool_name = v_pool_name
AND (expiry_time < NOW()
OR expiry_time IS NULL)
ORDER BY
expiry_time
LIMIT 1
FOR UPDATE SKIP LOCKED;
END IF;
IF r_address IS NULL THEN
RETURN r_address;
END IF;
Radius Access-Reject
notfound → 0.0.0.0 → reject
UPDATE radippool
SET
nasipaddress = v_nasipaddress,
pool_key = v_pool_key,
callingstationid = v_callingstationid,
username = v_username,
expiry_time = NOW() + INTERVAL v_lease_duration SECOND
WHERE framedipaddress = r_address;
pppoe user
authorized
Radius Access-Accept
Allocated IP
Radius Accounting-Request
Start
user connect

pppoe user
activ link

Radius Accounting-Request
Start

start_update

```
UPDATE ${ippool_table} \
SET \
    expiry_time = NOW() + INTERVAL ${lease_duration} SECOND \
WHERE nasipaddress = '%{NAS-IP-Address}' \
    AND pool_key = '${pool_key}' \
    AND username = '%{User-Name}' \
    AND callingstationid = '%{Calling-Station-Id}' \
    AND framedipaddress = '%{${attribute_name}}'"
```

Radius Accounting-Request
Interim-Update

alive_update

```
UPDATE ${ippool_table} \
SET \
    expiry_time = NOW() + INTERVAL ${lease_duration} SECOND \
WHERE nasipaddress = '%{NAS-IP-Address}' \
    AND pool_key = '${pool_key}' \
    AND username = '%{User-Name}' \
    AND callingstationid = '%{Calling-Station-Id}' \
    AND framedipaddress = '%{${attribute_name}}'"
```

if Link up

pppoe user/server
disconnect

Radius Accounting-Request
Stop

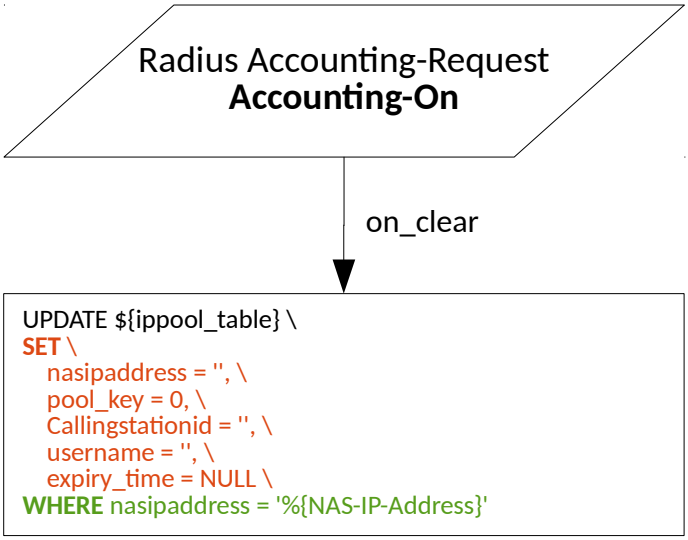
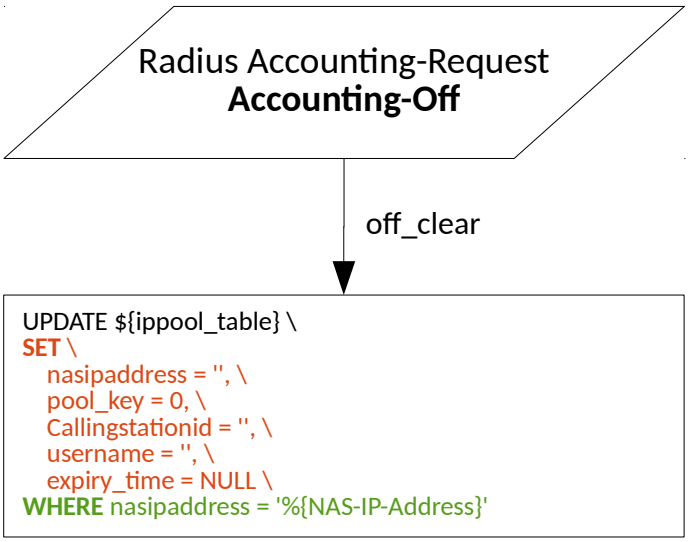
Mikrotik
shutdown

stop_clear

```
UPDATE ${ippool_table} \
SET \
    nasipaddress = '', \
    pool_key = 0, \
    Callingstationid = '', \
    username = '', \
    expiry_time = NULL \
WHERE nasipaddress = '%{NAS-IP-Address}' \
    AND pool_key = '${pool_key}' \
    AND username = '%{User-Name}' \
    AND callingstationid = '%{Calling-Station-Id}'" \
    AND framedipaddress = '%{${attribute_name}}'"
```

connection established, user disconnect

Mikrotik
boot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