

## Changed files

- clients.conf
- proxy.conf
- sites-available → govroam
- mods-available → govroam\_logs

Delete any other links in the sites-enabled directory ('status' can be left/added if you're allowing status checks). Attempting to run 'govroam' and 'default' will likely result in problems stating the RADIUS server.

### **clients.conf:**

```
# Configure the JISC NRPS as a client as it will be sending request from
# your people abroad.

client NAS {
    secret = something
    ipaddr = 10.10.20.1
}

client roaming0 {
    secret = something
    ipaddr = 192.168.0.1
}

# Configure your local IdP as a client. (Omit for Visited Only ORPS)
client localidp1 {
    secret = something
    ipaddr = 10.10.10.31
}
```

### proxy.conf:

```
# Blackhole (REJECT) where the realm is missing.

realm NULL {

# Realms that don't match any other listed send to the pool of govroam
# servers
realm "~.+$" {
    auth_pool = govroam
    nostrip
}

# Pool of govroam servers
home_server_pool govroam {
```

```
        home_server = roaming0
        type = client-port-balance
}

#Govroam server configuration
home_server roaming0 {
    ipaddr = roaming0.govroam.uk
    port = 1812
    type = auth
    secret = something
    status_check = status-server # Checks status of govroam server
}

# Handle requests for the realm 'localnet'. (Omit for Visited Only ORPS)
realm localnet {
    nostrip
    auth_pool = ad_auth
}

server_pool ad_auth {
    type = client-port-balance
    home_server = localidp1
}

home_server localidp1 {
    status_check = status-server
    ipaddr = 10.10.10.31
    secret = something
    port = 1812
    type = auth
}
```

## sites-available->govroam:

```
server govroam {
    # Listen on the default port on all IP addresses
    listen {
        type = auth
        ipaddr = *
    }

    authorize {
        preprocess
        update request {
            Operator-Name := 1your.domain # Adds the Operator
Name attribute to the request.
        }
        auth_log
    }
}
```

```

        suffix # Identifies the realm
        files

    }

authenticate {

}

preacct {
    preprocess
    suffix
}

accounting {
    detail
}

post-auth {
    # Lots of logging
    reply_log
    f_ticks
    govroam_log
    Post-Auth-Type REJECT {
        attr_filter.access_reject
        reply_log
        f_ticks
    }
}

pre-proxy {
    pre_proxy_log
    if ("%{Packet-Type}" != "Accounting-Request") {
        attr_filter.pre-proxy
    }
}

post-proxy {
    post_proxy_log
    attr_filter.post-proxy
}
}

```

And then create a symlink from sites-enabled/govroam to sites-available/govroam.

### **mods-available->govroam\_logs:**

```

# F-TICKS
linelog f_ticks {
    filename = syslog
    format = ""

```

```
        reference = "f_ticks.%{reply:Packet-Type}: -format"
f_ticks {
    Access-Accept ="F-
TICKS/govroam/1.0#REALM=%{Realm}#VISCOUNTRY=GB#VISINST=%{Operator-
Name}#CSI=%{Calling-Station-Id}#RESULT=OK#"
    Access-Reject ="F-
TICKS/govroam/1.0#REALM=%{Realm}#VISCOUNTRY=GB#VISINST=%{Operator-
Name}#CSI=%{Calling-Station-Id}#RESULT=FAIL#" # Remove when sending to Jisc
NRPS
}

}

linelog govroam_log {
    filename = syslog
    format =
    reference = "govroam_log.%{reply:Packet-Type}: -format"
govroam_log {
    Access-Accept = "govroam-auth#ORG=%{request:Realm}#USER=%{User-
Name}#CSI=%{Calling-Station-Id}: -Unknown Caller Id}#NAS=%{Called-
Station-Id}: -Unknown Access Point}#CUI=%{reply:Chargeable-User-Identity}:-
Unknown}#MSG=%{EAP-Message}: -No EAP Message}#RESULT=OK#"
    Access-Reject ="govroam-auth#ORG=%{request:Realm}#USER=%{User-
Name}#CSI=%{Calling-Station-Id}: -Unknown Caller Id}#NAS=%{Called-
Station-Id}: -Unknown Access Point}#CUI=%{reply:Chargeable-User-Identity}:-
Unknown}#MSG=%{reply:Reply-Message}: -No Failure Reaso
n}#RESULT=FAIL#"
}
}
```

And then create a symlink from mods-enabled/govroam\_logs to mods-available/govroam\_logs.

From:  
<https://wiki.govroam.uk/> - Govroam

Permanent link:  
[https://wiki.govroam.uk/doku.php?id=siteadmin:basic\\_freeradius\\_orps\\_configuration&rev=1619607010](https://wiki.govroam.uk/doku.php?id=siteadmin:basic_freeradius_orps_configuration&rev=1619607010)

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