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.

Use the **details.log** file in mods-available to configure how the local logs are formatted and stored.

```
detail auth_log {
        detailfile = ${radacctdir}/%Y%m%d/request-detail-%H:00
        header = "%{Packet-Src-IP-Address} - %t"
        detailperm = 0600
        suppress {
                User-Password
        }
}

detail reply_log {
        detailfile = ${radacctdir}/%Y%m%d/reply-detail-%H:00
        header = "%{Packet-Src-IP-Address} - %t"
        detailperm = 0600
}
```

```
detail pre_proxy_log {
        detailfile = ${radacctdir}/%Y%m%d/pre-proxy-detail-%H:00
        header = "%{Packet-Src-IP-Address} - %t"
        log_packet_header = yes
        detailperm = 0600
        suppress {
                User-Password
        }
}

detail post_proxy_log {
        detailfile = ${radacctdir}/%Y%m%d/post-proxy-detail-%H:00
        header = "%{Packet-Src-IP-Address} - %t"
        detailperm = 0600
}
```

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