How-To

ConSEL – Backup Server

1. Overview

The backup server functionality is designed to provide redundancy and failover capabilities for the radio system. It allows for the automatic switching to a backup server in case the primary server becomes unavailable, ensuring continuous operation of the radio connectivity.

2. Switching on the redundancy feature on the source server

1. Run the **Radioserver Configuration** app
2. Go to **Advanced tab**
3. Inside the advanced tab, go to **Radioserver redundancy tab**

Now, we need to choose the **Source of Redundancy**, and enter:

1. Password – will be use to connect the redundancy server
2. Port
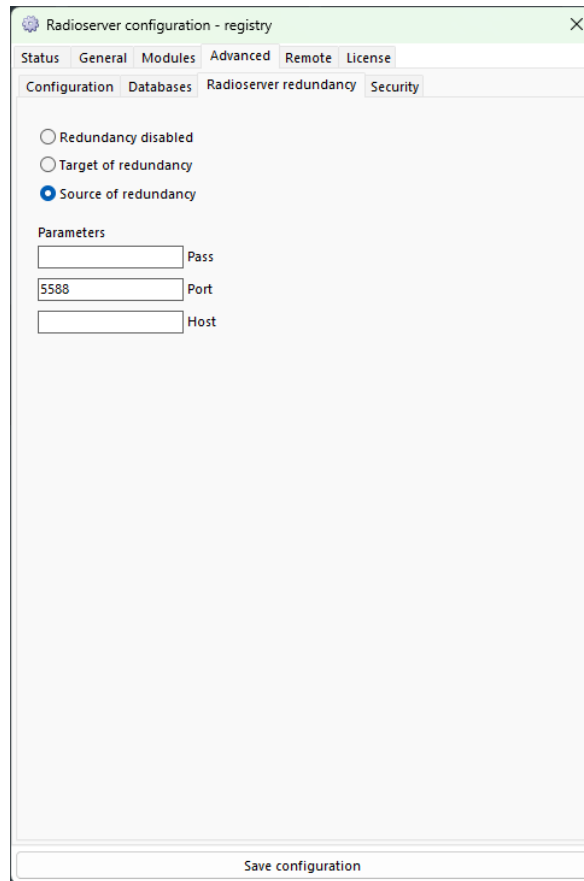3. Host – IP address of secondary server

Fig 1 Radioserver redundancy tab

3. Switching on the redundancy feature on the secondary server

1. Run the **Radioserver Configuration** app
2. Go to **Advanced tab**
3. Inside the advanced tab, go to **Radioserver redundancy tab**
4. Now, we need to choose the **Target of Redundancy**, and enter password.

NOTE! The password must match the one entered on source server.

The servers synchronize once a day. If for some reason the primary server stops working and the synchronization is out of date, the secondary server will not automatically switch to active mode. To do this, you must enable it manually. In the radioserver, select **advanced tab** and then **radioserver redundancy** tab. In this window, click on **Force switch to active**.
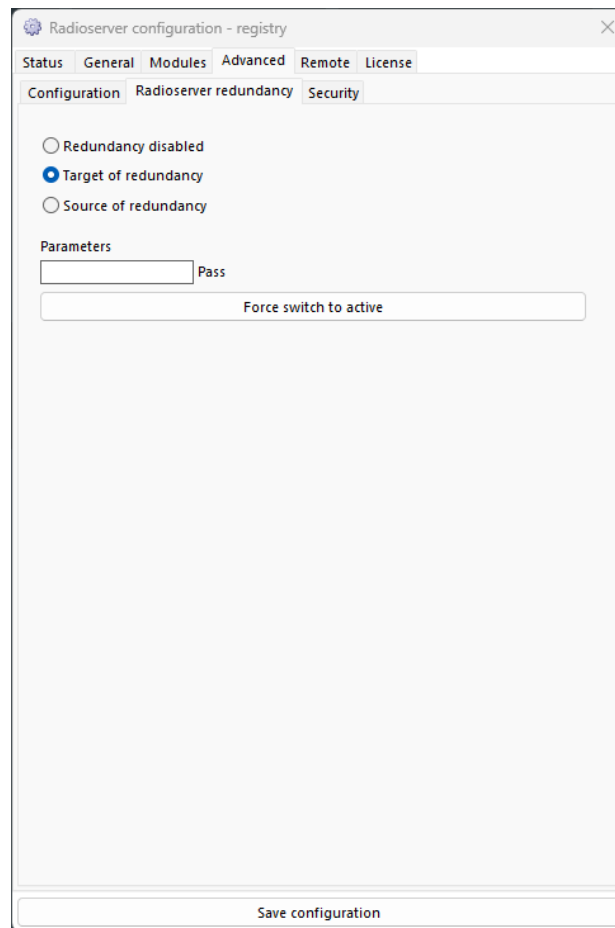
Fig 2 Choosing redundancy target

If the primary server is reactivated, it will not synchronize data with the secondary server. Data that will not be synchronized should be secured manually by saving it in a safe place.

If the redundancy configuration is successful, we will see a green icon in the status of the redundancy, and if the configuration is wrong, we will see a graphic like below:
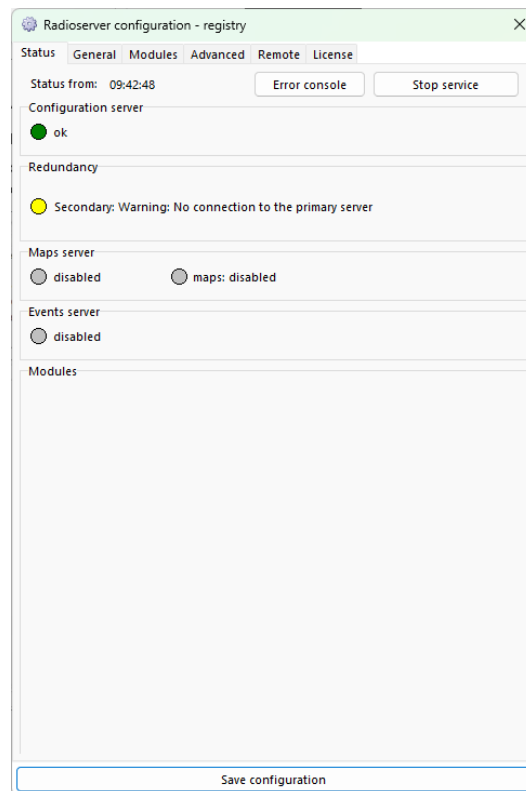
Fig 3 Radioserver status

4. Enabling redundancy in the dispatcher's console

To enable redundancy in dispatcher's console, go to Menu -> Administration -> **Configuration Servers**.

Next step is to right click on radioserver icon and click **edit server.**
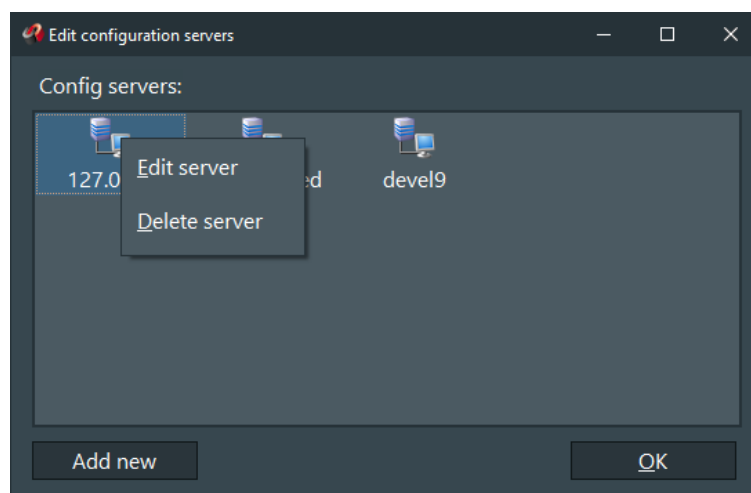

Fig 4 Server edit window

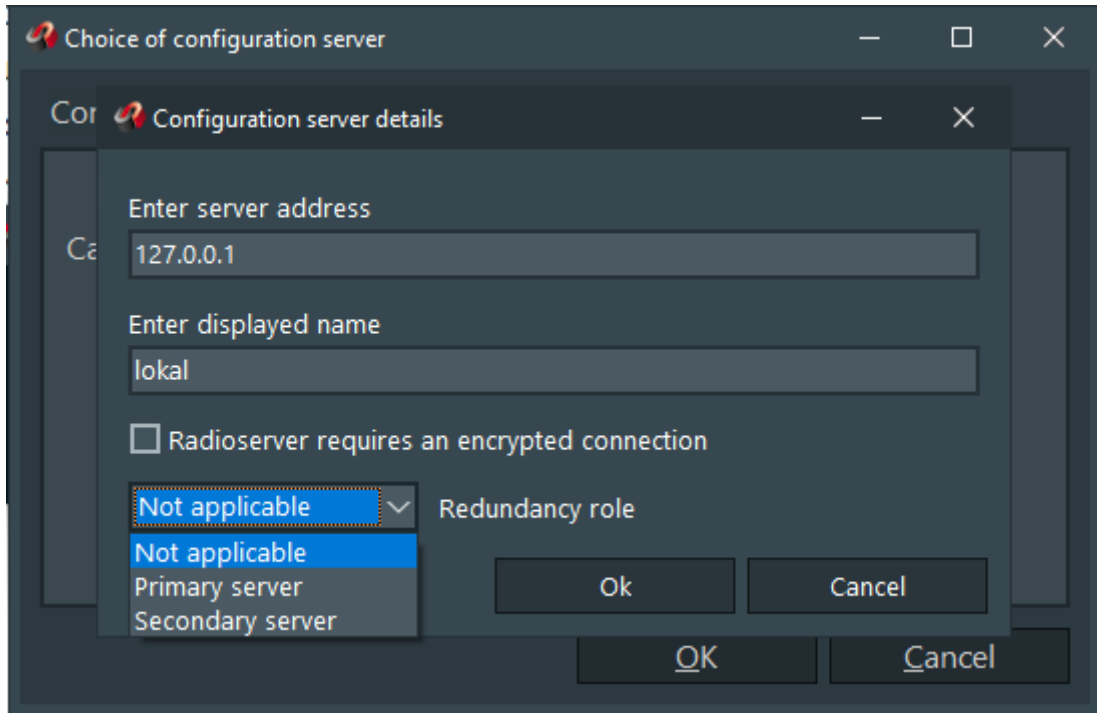In the configuration window, on the bottom choose **Redundancy role.**

Fig 5 Client redundancy role

Depending on the required role, we choose a **primary server** or a **secondary server.**