

# Rumba architecture

## Physical Infrastructure

- 1 DELL 7920
- 1 Gigabyte R282-Z92 AMD EPYC 7002

## Network

Rumba is located in an isolated separate network inside the school. It can be accessed via a [Wireguard VPN](#) (ask [the staff](#) for access).

Inside this network you have a simple setup :

```
192.168.88.0/24 : Network appliances subnet
192.168.89.0/24 : VPN subnet
192.168.92.0/24 : Server's IDRACs subnet
192.168.93.0/24 : Servers subnet
192.168.94.0/24 : LXC containers subnet

192.168.92.1 : Server's IDRACs gateway
192.168.93.1 : Servers gateway
192.168.94.1 : Containers gateway on the bridge br0
```

There is currently 1 physical server in it :

```
192.168.92.10 : Rumba1 IDRAC
192.168.93.10 : Rumba1 host
```

### DNS server / Gateway :

In this isolated network, the Sinf provides us only their gateway as the only DNS server :

```
DNS / Gateway : 172.30.7.1
```

## Software Architecture

### User accounts

User access is SSH based and managed by the [staff](#).

### LXC Containers

There a few services running now :

- 192.168.94.10 ISC Inventory (Snipe-IT)
- 192.168.94.13 Reverse Proxy (Nginx)
- 192.168.94.14 Backup of the ISC Learn Platform, for testing and disaster recovery (Moodle)
- 192.168.94.20 Monitoring (TPI Rodrigo)

From:

<https://wiki.isc-vs.ch/> - **The ISC wiki**

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<https://wiki.isc-vs.ch/doku.php?id=infra:rumba>

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