

# 01. Startup and Login

## Startup and Login

### 1. First startup

1. Start the VRS X service/application.
2. Open the admin panel:
  - default: `http://localhost:8085/admin`
  - if `AdminPort` was changed: `http://<host>:<admin-port>/admin`
3. Complete activation (if required).
4. Set the administrator password.

### 2. If the admin panel does not open

The most common issue is a port conflict.

#### Linux

```
ss -ltnp | rg ':8085|:5000|:8080'
```

#### Windows (PowerShell)

```
Get-NetTCPConnection -State Listen | Where-Object {$_.LocalPort -in 8080,8085,5000}
```

If the port is already in use:

1. Stop the conflicting application.
2. Open the admin panel.
3. Change `Admin Port` to a free port.
4. Save the configuration and restart VRS X.

### 3. Minimal post-install workflow

1. `General Settings` - set core radar options.
  2. `Feeds` - add at least one data source.
  3. `Server Settings` - configure ports and network access.
  4. Restart the service.
  5. Verify:
    - `http://<host>:<web-port>/AircraftList.json`
    - `http://<host>:<admin-port>/admin`
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