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# Pryv.io Backup

Data backup and restore procedures

## Introduction

This document describes how to perform a backup of your Pryv.io platform and how to restore it in case of any data loss. You will have to backup user data as well as configuration files of each role: core, register, static-web.

The root of your Pryv.io installation on each role (usually `/var/pryv/${ROLE}/`) will now be referred as `${PRYV_CONF_ROOT}`.

## Single node installation

On a single node configuration, all roles run on the same machine, in the same root folder.

## Backup

Please, ensure that you backup core data first, starting with MongoDB.

### 1. Core

1. Run the following command to export the MongoDB data: `$ docker exec -t pryvio_mongodb /app/bin/mongodb/bin/mongodump -d pryv-node -o /app/backup/` The backup folder will be located at: `${PRYV_CONF_ROOT}/pryv/mongodb/backup/`
2. Run the following command to export the InfluxDB data: `$ docker exec -t pryvio_influxdb /usr/bin/influxd backup -portable /var/backups/` The backup folder will be located at: `${PRYV_CONF_ROOT}/pryv/influxdb/backup/`
3. Backup the `${PRYV_CONF_ROOT}` folder except the following:



- `${PRYV_CONF_ROOT}/pryv/mongodb/data/`
- `${PRYV_CONF_ROOT}/pryv/influxdb/data/`
- `${PRYV_CONF_ROOT}/pryv/core/data/previews/`

## 2. Register

- Backup the `${PRYV_CONF_ROOT}` folder

## 3. Static-web

- Backup the `${PRYV_CONF_ROOT}` folder

## Risk

As we cannot "freeze" the time while doing a backup, if user accounts are created between the core and register backup times, they won't be usable after a backup restoration.

Attachments and High-frequency data created after the MongoDB backup won't be accessible as its [Pryv.io Events](#) will not be available.

## Restore

To perform a restore, we assume you have a fresh install as described in the [Deployment design guide](#). ### 1.

Core - Empty the contents of the `${PRYV_CONF_ROOT}` folder - Copy the backed up files under the `${PRYV_CONF_ROOT}` folder - Start the service - Restore the MongoDB files: `$ docker exec -t pryvio_mongodb /app/bin/mongodb/bin/mongorestore /app/backup/` - Restore the InfluxDB files: `$ docker exec -t pryvio_influxdb /usr/bin/influxd restore -portable /pryv/backup/`

## 2. Register

- Empty the contents of the `${PRYV_CONF_ROOT}` folder
- Copy the backed up files under the `${PRYV_CONF_ROOT}` folder
- Start the service

## 3. Static-web

- Empty the contents of the `${PRYV_CONF_ROOT}` folder
- Copy the backed up files under the `${PRYV_CONF_ROOT}` folder
- Start the service