

Duplicati Dashboard2

Link: <https://github.com/wchorski/duplicati-dashboard> git clone

<https://github.com/wchorski/duplicati-dashboard.git>

A NodeJS based server that collects JSON data from Duplicati backup logs

☐ Tech

Frontend: NextJS

API: NextJS

Database: InfluxDB

[!warning] Backups sharing the same name will cause issues. The backup's name must be unique across all Duplicati instances, it will be used as an ID for logging. MUST BE URL FRIENDLY example: "Laptop--Home_Folder_Backup", "Desktop--Home_Folder_Backup" is a good naming convention.

Usecase

Initially this was just some middle ware that serves as an endpoint for JSON friendly monitoring apps, but I also built a simple UI so it could be used as a standalone app.

Duplicati Setup

you can either add these settings for the globally or per backup in the Advanced options

```
send-http-result-output-format = json
send-http-url = "http://APPSDOMAIN/api/backups"
```

API

Here is a breakdown of what endpoints and search parameters that can be passed through.

URL Breakdown

http://APPSDOMAIN/backups/BACKUP_ID?start=-5h&first=true

BACKUP_ID => the id (or name) of the backup saved
stuff after the "?" search query sets range of time of pulled data
start => how far back to you want to start pulling data i.e.
-40d 40 days ago [the default]
-5h 5 hours ago
-60m 60 minutes ago
1999-12-31T00:00:00 starting on December 31st, 1999

1694117521 starting on this UNIX time (seconds)

stop => the end of the range

now() => my current time [the default]

all the other examples above as long as the date is after the start

both query parameters can be omitted

last => set to true if you'd like the last recorded point in the table

can also use the http://localhost:3000/api/backups/last/BACKUP_ID endpoint for cleaner GET (this endpoint also takes start and stop query parameters)

first => same as last but returns the first point of recorded data within the range

[!note] make sure relative dates have a negative i.e. -5h as your are looking back in time. Positive time values will cause errors

Examples

query url

all backup stats in database <http://APPDOMAIN/backups>

single backup stats http://APPDOMAIN/backups/BACKUP_ID

last recorded backup stat http://APPDOMAIN/backups/last/BACKUP_ID

same as above http://APPDOMAIN/backups/BACKUP_ID?last=true

last recorded backup stat in the last 5 hours http://APPDOMAIN/backups/last/BACKUP_ID?start=-5h

⚙ Development

```
git clone https://github.com/wchorski/duplicati-dashboard.git && cd duplicati-dashboard
```

```
cp .env.template .env.local
```

```
set up InfluxDB instance
```

```
get InfluxDB API Token for .env.local
```

```
yarn install
```

```
yarn dev
```

📦 Production

```
git clone https://github.com/wchorski/duplicati-dashboard.git && cd duplicati-dashboard
```

```
cp .env.template .env
```

```
the INFLUX_TOKEN in .env should be a long ~88 character string
```

```
docker compose up -d
```

Home Assistant

rest:

- authentication: basic

username: "admin"

password: "password"

scan_interval: 86400

resource: http://APPDOMAIN.lan/api/backups/last/DUPLICATI_ID

sensor:

```
- name: "duplicati-DUPLICATI_ID-status"
  value_template: "{{ value_json.status }}"
- name: "duplicati-DUPLICATI_ID-time"
  value_template: >
    {% set thistime = value_json.time %}
    {{ as_timestamp(thistime) | timestamp_custom("%Y %M, %d %H:%M") }}
```

#Todo

- create dynamic nav based on unique duplicati_ids from database
- add FAQ as a page inside the app
- mobile friendly (almost there)
- graph trends in app
- Home Assistant Template sensor
- Don't be lazy and figure out Types in TableClient.tsx component
- get real data for screenshots
- why is bg tile image weird when scrolling on mobile?
- human readable bytes formatter (gb tb)
- human readable duration formatter

Revision #1

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