

# Setting up NightScout Reporter With Heroku



**NIGHTSCOUT**  
#WeAreNotWaiting



**HEROKU**

NightScout Reporter is a fantastic additional tool to help us to collect our data and compile it into a single document to share with our T1 Medical Team.

Thank you Andrea Perlitz for giving us non-coders this amazing bonus document.

It's really easy to set up, as it's just pulling the information from the NightScout webpage already set up for the CGM of choice.

Once set up, a report is extremely simple to produce. All that's needed is to select the duration and the website creates a very comprehensive and clear report. It produces and displays the data in tabular and graphical form in colour - in a single multi-paged document.

The first thing that needs to be done is to enable a function for the Reporter to extract the data. This document will outline how this is done in Heroku. I'm not familiar with Azure, but I assume the interface is similar and the enable function is easy to find too.

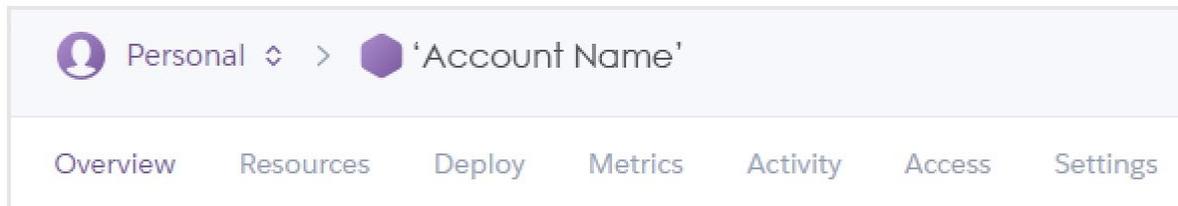
Here's the link to the website for NightScout Reporter, it's currently available in German and English: <https://nightscout-reporter.zreptil.de/>

## Enabling Reporter in Heroku

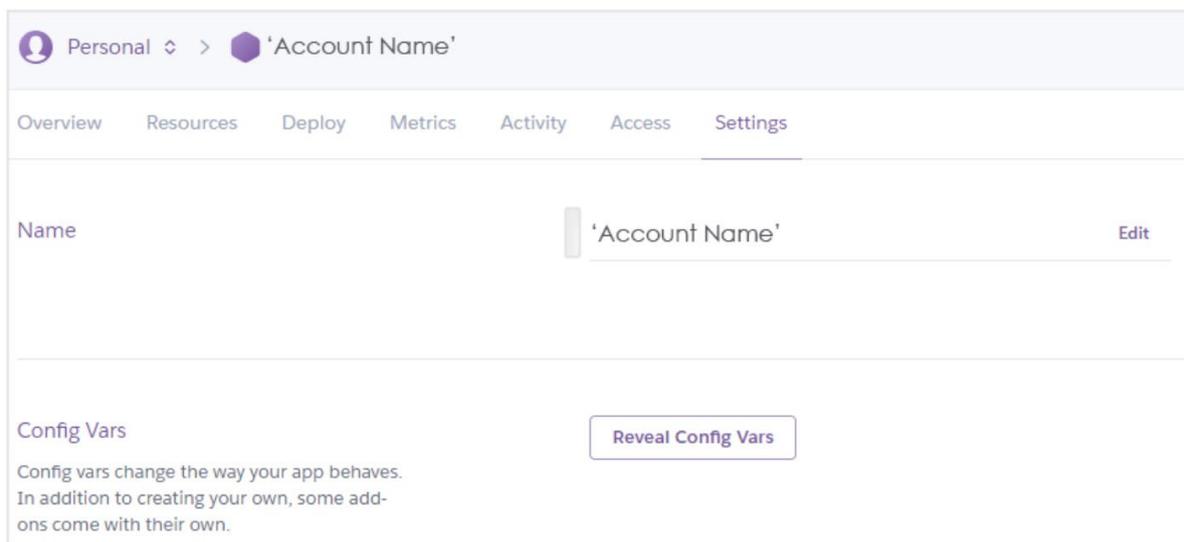
Log into your user account with Heroku from this link:

<https://id.heroku.com/login>

Select your account name and it bring you to the personal dashboard



Under settings, go to the 'Reveal Config Vars' button. This will display all of the settings that would have been configured when the account was initially set up.

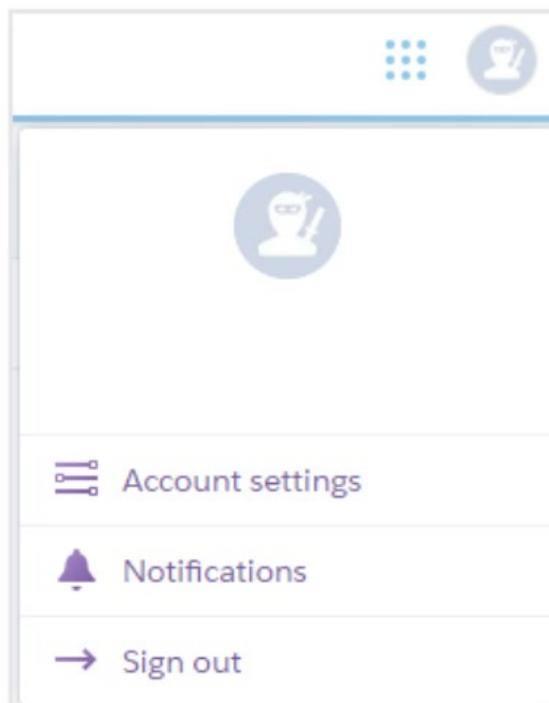


Within the list, go to the row 'enable'. Then select the pencil icon to edit the list.



Dialog box titled "Edit config variable" with a close button (X) in the top right corner. It contains two input fields: "Key" with the value "ENABLE" and "Value" with the value "careportal basal bwp job cob cage sage iage cors". The words "bwp", "job", "iage", and "cors" in the value field are underlined in red. A purple button labeled "Save changes" is located at the bottom of the dialog.

In the 'Value' field, add **cors** to the list and save changes. That's all there is to it.



Simply sign out by clicking on the ninja icon in the top right-hand corner of the screen.

## NightScout Report Configuration

From within the NightScout Reporting page, enter in the target range top and bottom that you want to be displayed in the charts.

### Nightscout reporting

Day to day | **Daily Stats** | Distribution | Hourly stats | Percentile Chart | Weekly success | Calibrations | Treatments | Profiles

From: 01/02/2019 To: 20/02/2019 [Today](#) [Last 2 days](#) [Last 3 days](#) [Last week](#) [Last 2 weeks](#) [Last month](#) [Last 3 months](#)

Notes contain:

Event Type:

Mo  Tu  We  Th  Fr  Sa  Su

Target bg range bottom: 4.4 top: 10

Order:  oldest on top  newest on top

Show

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### Day to day

To see this report, press SHOW while in this view

Display:  Insulin  Carbs  Basal rate  Notes  Food  Raw  IOB  COB  OpenAPS  Insulin distribution Size 1000x300px

Scale:  Linear  Logarithmic

**Authentication status:**  
Admin authorized ([Remove](#))

Go to the link for NightScout Reporter <https://nightscout-reporter.zreptil.de/> and select English.

Welcome to Nightscout Reporter! ×

 DIESE SEITE IST AUCH AUF DEUTSCH VERFÜGBAR  DIESE SEITE IST AUCH AUF DEUTSCH VERFÜGBAR

This page is used to generate PDF documents with the data stored at Nightscout. Therefore, it is necessary to be able to access this data, which is why a few settings must first be saved. As long as these are not available and valid, the site can do nothing for you.

The data you enter here will be stored in the localStorage of the browser. This contains website-related data that can only be read out from this website. No cookies are used and no data is stored on servers. Only a connection to the specified Nightscout instance is set up and the data available there is read out to create a PDF document. This can then be submitted to the diabetes counselor or other interested party.

When the settings are connected to the Google Account, Google's cookies are used and the data is no longer stored in the localStorage of the browser, but in the AppStorage on Google Drive. In this way you can manage the data centrally and have it available in any browser connected to the specified Google Account.

The website mainly uses Javascript to do its job. When creating the PDF document Javascript and PHP are used.

Enter in the details for the user and choose the additional features and save.

**Settings** ✕

**User data** < >

Url to Nightscout-API (e.g. <https://xxx.herokuapp.com>) + ✕ User-Token

The user token is only required if access in Nightscout has been restricted via AUTH\_DEFAULT\_ROLES

Name          Birthday          Diabetes since          Insulin

**Additional functions**

Open PDF in the same window

Download PDF (needed for some browsers)

Hide text about Nightscout in the header and footer of the PDF

**SAVE**

The User-token is only relevant if it was set up previously.

Now comes the screen to select the elements that you'd like to present in the report and the duration of the report. There are more options available on any box with a down arrow. These are the ones I chose, but feel free to play with them to get the graphs and charts to compile as you'd like.

**Analysis** ^

- Material with decimal places
- Targetarea with decimals

**Profile** ^

- Basalrate mit zwei Nachkommastellen
- Combine entries with the same values

**Glucose Percentile Diagram**

**Daily Statistics** ^

- Column valuecount
- Column standard deviation
- Columns percentiles
- Column A1C
- Column coefficient of variation

**Daily Graph** ^

- Symbols (catheters etc.)
- Insulin
- Place SMB on the curve
- Carbohydrates
- Daily basalrate
- Profile basalrate
- Basal with two decimal places
- Notes
- Legend
- Newest day first
- Four graphics per page
- Table with glucose values
- Draw lines from notes to the curve
- Accumulate values in close range
- Page for day notes

**Weekly Graphics** ^

- Four graphics per page
- reverse sorting
- Show day names in graphic

**Basalrate** ^

- Two decimal places

Then simply select the period for the report to cover in the calendar, by clicking on the date

Period  
01/12/2018 - 20/02/2019

Analysis ▼

Profile ▼

Glucose Percentile Diagram

Daily Statistics ▼

Daily Graph ▼

Weekly Graphics ▼

Basalrate ▲  
 Two decimal places

Period ×

from 01/12/2018 until 20/02/2019

February 2019

MON	TUE	WED	THU	FRI	SAT	SUN
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	1	2	3

TODAY LAST 2 DAYS LAST 3 DAYS LAST WEEK LAST 2 WEEKS LAST 3 WEEKS ✓ OK

LAST MONTH LAST 3 MONTHS

Then press on the arrow to compile the report in the bottom right-hand corner.

