

Grafana Preparation

Create Grafana Dashboard

```
SELECT
UNIX_TIMESTAMP(time) AS "time_sec",           // for using timestamp in Grafana
shelf.weight / products.weight AS "Number of products" // calculation of the # of products
FROM products RIGHT OUTER JOIN shelf           // connecting two tables
ON products.id = shelf.productID
WHERE shelf.topic = 'WS/shelf/white'           // For showing only responsible values
```

Create alert

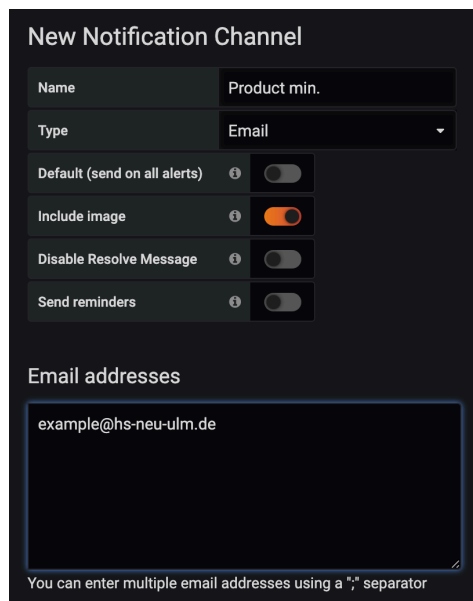
First we have to create a notification channel

Name: The channel needs a name

Type: We chose an email alert, for getting information about the alert without checking Grafana the whole day.

Include images: Layout of the email

Email addresses: email of the responsible employee



In the next step, we define the requirements for the email alert of a specified dashboard/product.

Name: This alert needs also a name, because every dashboard can use more than one alert function.

Evaluate every 2s for 5s: We can decide when an email alert must be sent. We decided that Grafana checks all two seconds the alert function. When the rule becomes true for five seconds, then the email will be sent.

Conditions: the condition specifies which requirements the alert must meet. We decided to take the last value (last()) in the database which has to be under a value of two.

Message: The message will get the responsible person via email.

Alert

Rule

Name Marker alert minimum Evaluate every 2s For 5s ⓘ

Conditions

WHEN last () OF query (A, 10s, now) IS BELOW 2

No Data & Error Handling

If no data or all values are null SET STATE TO Ok

If execution error or timeout SET STATE TO Keep Last State

Notifications

Send to Warehouse Alert +

Message Order Marker!

Tags New tag name... New tag value... + Add Tag

Email

An email shows the message and the value, e.g. number of products in stock.

