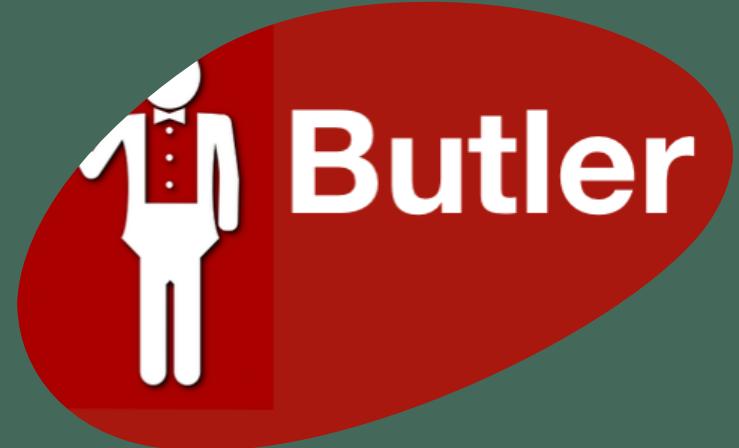
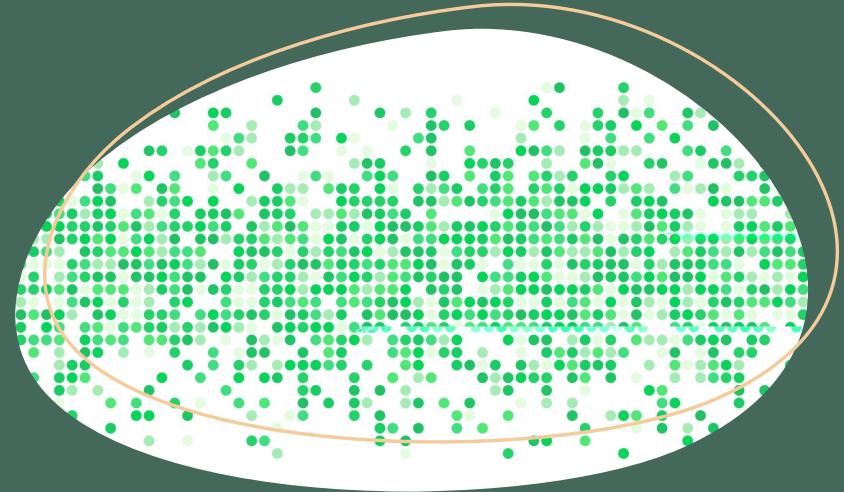


- Concept overview
- Recipe

Qlik Sense reload alerts

Open-source superpowers for Qlik Sense



October 2022



Open-source superpowers for Qlik Sense

2

2: Slack & Teams

Qlik Sense APP 11:09

Qlik Sense reload failed

Task name: Manually triggered reload of Test failing reloads 2

Task ID: dec2a02a-1680-44ef-8dc2-e2bfb180af87

App name: Test failing reloads 2

App ID: e7af59a0-c243-480d-9571-08727551a66f

Reload on node: pro2-win2.lab.ptarmiganlabs.net

User: LAB/goran

Execution result: FinishedFail

Execution result code: 8

Duration: 0 hours, 0 minutes, 2 seconds

Execution started: 2021-02-12 11:08:35

Execution ended: 2021-02-12 11:08:38

Open QMC **Open Hub**

```

2021-02-12T10:08:35.545Z "Changing task state to Triggered"
2021-02-12T10:08:35.867Z Trying to start task. Sending task to slave
scheduler pro2-win2.lab.ptarmiganlabs.net
2021-02-12T10:08:36.130Z Changing task state from Triggered to Started
2021-02-12T10:08:37.902Z Reference to scriptlog added
2021-02-12T10:08:37.965Z Message from ReloadProvider: Reload failed in
Engine. Check engine or script logs.
2021-02-12T10:08:37.968Z Changing task state from Started to FinishedFail
2021-02-12T10:08:38.038Z Max retries reached (0)

```

The script log contains 5209 characters in total. Here are the last few lines:

```

20210212T110837.245+0100 0052 RestConnectorMasterTable:
20210212T110837.245+0100 0053 SQL SELECT
20210212T110837.245+0100 0054 "quot;col_1quot;
20210212T110837.245+0100 0055 "F&M CSV\header\of\load\writer
"quot;"quot; quote "quot;"quot;"quot;"quot; "quot;CSV_source"quot;
20210212T110837.245+0100 0056 WITH CONNECTIONUrl
"quot;http://healthcheck.ptarmiganlabs.net:8000/ping/a8366018-b739-4c65-ada2-
05085b6ef771/start"quot;
20210212T110837.416+0100 2 fields found: col_1, __extra__,
20210212T110837.424+0100 Error: The remote server returned an error:
(404) Not Found.
20210212T110837.424+0100 Execution Failed
20210212T110837.435+0100 Execution finished.

```

Alerts are sent to specific channels in Slack and Teams.
Alert layout is customisable.

Qlik Sense reload failure bot 19:30

Reload task failed: 'Manually triggered reload of Test failing reloads 2'
Reload attempt was done on server: pro2-win2.lab.ptarmiganlabs.net

App name: Test failing reloads 2

App ID: e7af59a0-c243-480d-9571-08727551a66f

Task Name: Manually triggered reload of Test failing reloads 2

Task ID: dec2a02a-1680-44ef-8dc2-e2bfb180af87

User starting the reload: LAB/goran

Duration: 0 hours, 0 minutes, 2 seconds

Execution started: 2021-02-10 19:30:04

Execution ended: 2021-02-10 19:30:04

Execution result: FinishedFail

Execution result code: 8

Log message: Max retries reached

History:

```

2021-02-10T18:30:04.883Z Changing task state to Triggered
2021-02-10T18:30:05.126Z Trying to start task. Sending task to slave
scheduler pro2-win2.lab.ptarmiganlabs.net
2021-02-10T18:30:05.287Z Changing task state from Triggered to Started
2021-02-10T18:30:06.974Z Reference to scriptlog added
2021-02-10T18:30:07.046Z Message from ReloadProvider: Reload failed in Engine. Check engine or script logs.
2021-02-10T18:30:07.048Z Changing task state from Started to FinishedFail

```

End of script log (10 lines)

The script log contains 5209 characters in total.

```

20210210T193006.407+0100 0052 RestConnectorMasterTable:
20210210T193006.407+0100 0053 SQL SELECT
20210210T193006.407+0100 0054 "col_1"
20210210T193006.407+0100 0055 FROM CSV (header off, delimiter "", quote "")"CSV_source"
"20210210T193006.407+0100 0056 WITH CONNECTIONUrl
"20210210T193006.407+0100 0057 http://healthcheck.ptarmiganlabs.net:8000/ping/a8366018-
b739-4c65-ada2-05085b6ef771/start"
20210210T193006.591+0100 2 fields found: col_1, __extra__
20210210T193006.599+0100 Error: The remote server returned an error: (404) Not Found.
20210210T193006.600+0100 Execution Failed
20210210T193006.610+0100 Execution finished.

```

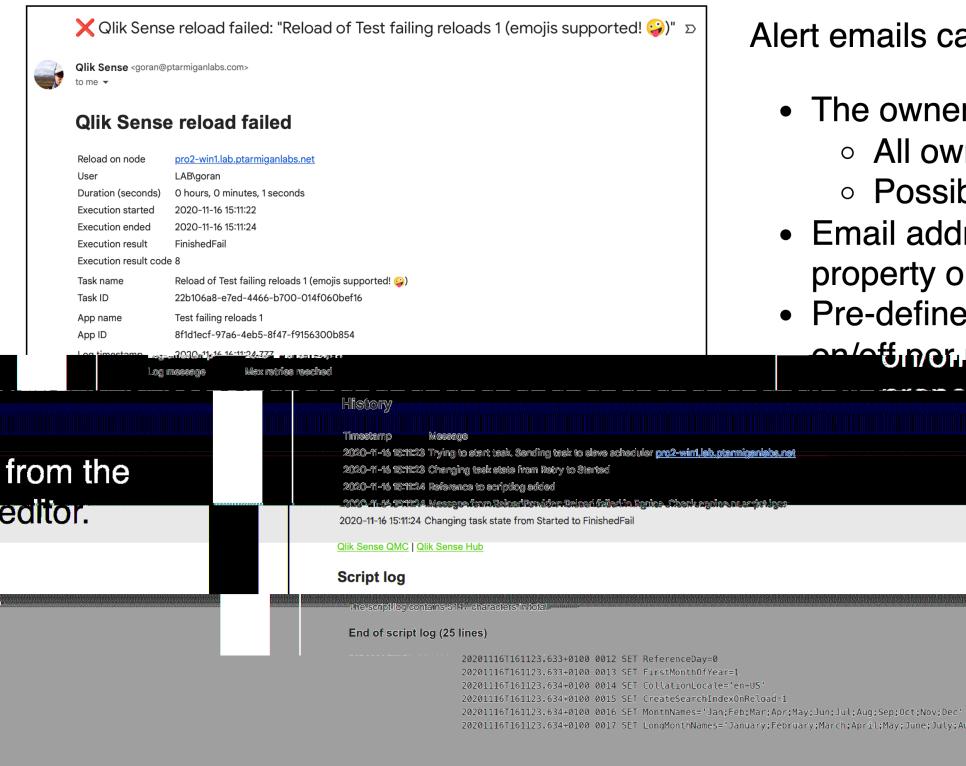
Qlik Sense QMC **Qlik Sense Hub**

See less



Open-source superpowers for Qlik Sense

3: Email - overview

 Alert emails can be sent to

- The owner of the app that failed reloading
 - All owners or only some
 - Possible to blacklist specific owners
- Email addresses specified in a custom property on each reload task
- Pre-defined email addresses. Toggle alerts on/off on reload task using a custom property.

Alerts are only sent for reloads started by the scheduler - NOT manually via the application editor.

Layout of alert emails is customizable.



4: Email - customise per reload task

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Edit reload task

IDENTIFICATION

Name: Reload of Test failing reloads 1 (emojis supported! 😊)
App: Test failing reloads 1

CUSTOM PROPERTIES

Butler_AbortedAlertEnableEmail Yes
Butler_AbortedAlertSendToEmail
Butler_FailedAlertEnableEmail Yes
Butler_FailedAlertSendToEmail anna@company.com joe@company.com

Alert emails sent to pre-defined email addresses when this reload task is *aborted*.

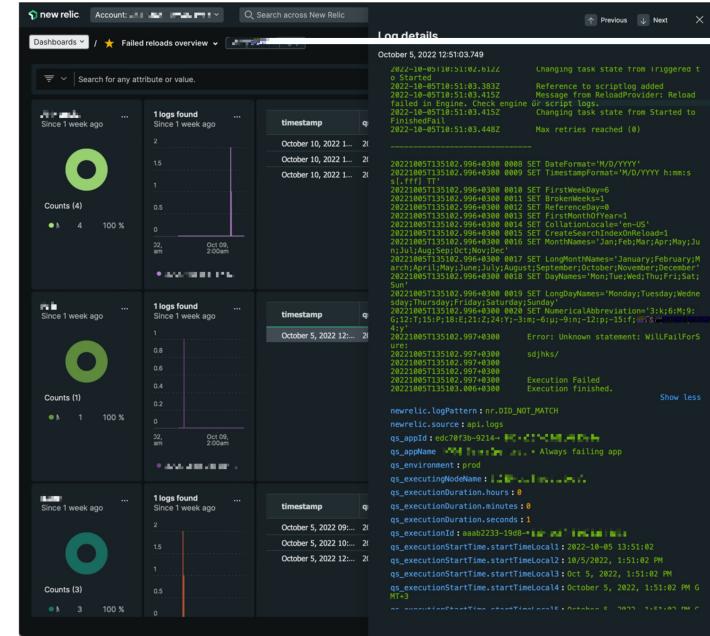
Alert emails sent to these specific email addresses when this reload task *fails*.



Open-source superpowers for Qlik Sense

5: New Relic - overview

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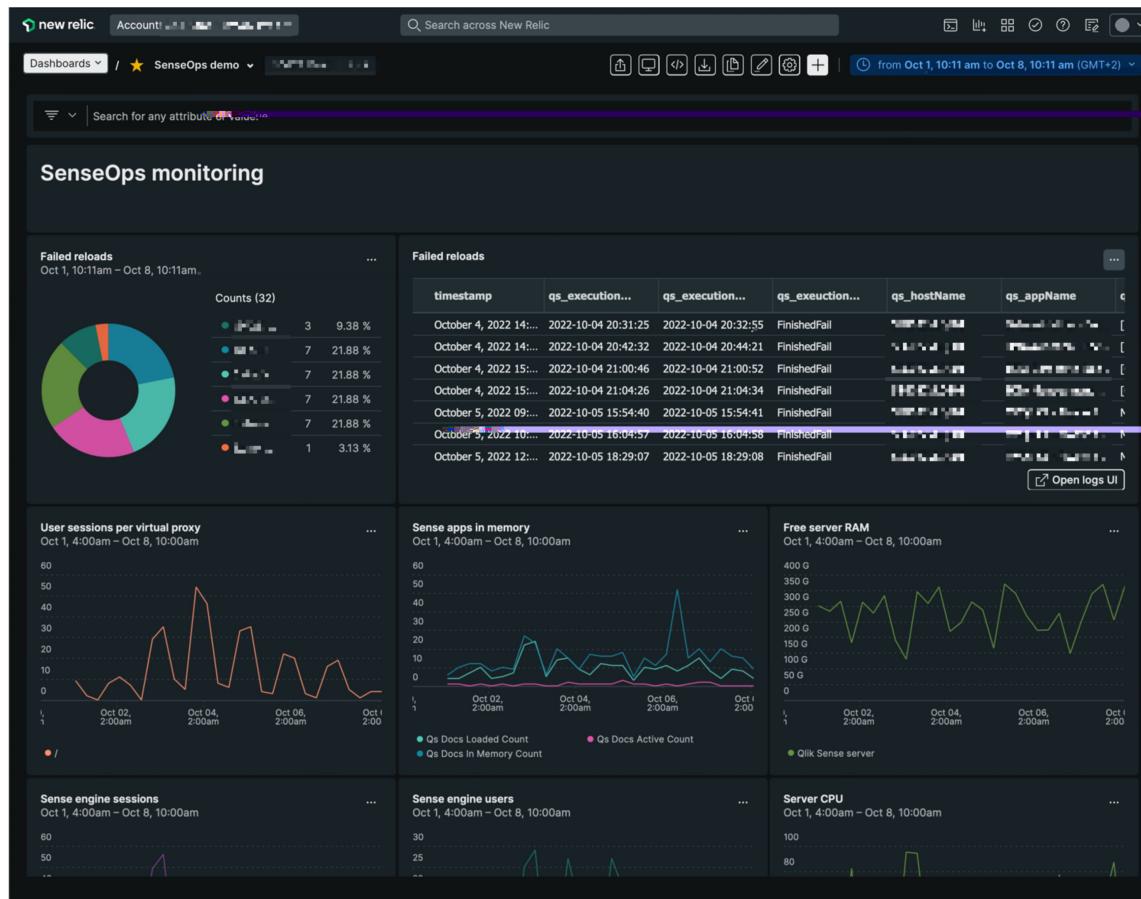
Data about failed/aborted reloads are sent to New Relic as events and logs.

Once the data is in New Relic it can be used to create **dashboards** as well as **incidents**, which can be sent to various incident management tools (Jira, PagerDuty etc).

New Relic dashboards provide detailed information about the reload failure, including relevant parts of the reload log.

6: New Relic - complete SenseOps dashboard

October 2022



New Relic offers great dashboards that can use data from both Butler (=failed/aborted reloads), and Butler SOS (real-time metrics from Qlik Sense).



Open-source superpowers for Qlik Sense