

apache / airflow Public

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New issue



JWT tokens appearing in logs #62773

Closed #62964

Assignees



Labels

area:core area:logging kind:bug needs-triage security



nosami opened on Mar 3 · edited by nosami

Edits ...

Apache Airflow version

3.1.7

If "Other Airflow 3 version" selected, which one?

No response

What happened?

We discovered JWT tokens appearing in the logs.

Run

Time range: Set in query

Show: 1000 results

```

1 ContainerLogV2
2 | where * contains "eyJ"
3 | where TimeGenerated >= ago(30d)
4 | where PodNamespace == "airflow"
5 | extend jwt = extract(@"token='([\^]+)'", 1, toString(LogMessage))
6 | where isnotempty(jwt)
7 | project TimeGenerated, jwt, LogMessage

```

Results

Chart

TimeGenerated [UTC] ↑↓	jwt	LogMessage
> 03/03/2026, 06:30:09.864	eyJhbGciOiJIUzUxMi...	{"timestamp":"2026-03-03T06:30:09.8640490Z","level":"info",...
> 03/03/2026, 06:30:08.683	eyJhbGciOiJIUzUxMi...	{"timestamp":"2026-03-03T06:30:08.6828640Z","level":"info",...
> 03/03/2026, 06:29:57.367	eyJ***	2026-03-03T06:29:57.367789Z [info] Add task TaskInstance...
> 03/03/2026, 06:29:53.728	eyJhbGciOiJIUzUxMi...	{"timestamp":"2026-03-03T06:29:53.7281390Z","level":"info",...
> 03/03/2026, 06:29:53.276	eyJhbGciOiJIUzUxMi...	{"timestamp":"2026-03-03T06:29:53.2758080Z","level":"info",...
> 03/03/2026, 06:29:50.549	eyJhbGciOiJIUzUxMi...	{"timestamp":"2026-03-03T06:29:50.5488800Z","level":"info",...
> 03/03/2026, 06:29:41.262	eyJ***	2026-03-03T06:29:41.262703Z [info] Add task TaskInstance...
> 03/03/2026, 06:29:38.541	eyJ***	2026-03-03T06:29:38.540874Z [info] Add task TaskInstance...
> 03/03/2026, 06:27:50.815	eyJ***	2026-03-03T06:27:50.815433Z [info] Add task TaskInstance...
> 03/03/2026, 06:27:50.814	eyJ***	2026-03-03T06:27:50.814796Z [info] Add task TaskInstance...
> 03/03/2026, 06:27:13.102	eyJ***	2026-03-03T06:27:13.102789Z [info] Add task TaskInstance...
> 03/03/2026, 06:27:10.585	eyJhbGciOiJIUzUxMi...	{"timestamp":"2026-03-03T06:27:10.5846970Z","level":"info",...
> 03/03/2026, 06:27:09.794	eyJ***	2026-03-03T06:27:09.794580Z [info] Add task TaskInstance...
> 03/03/2026, 06:27:07.611	eyJ***	2026-03-03T06:27:07.610891Z [info] Add task TaskInstance...
> 03/03/2026, 06:27:07.427	eyJhbGciOiJIUzUxMi...	{"timestamp":"2026-03-03T06:27:07.4273610Z","level":"info",...
> 03/03/2026, 06:27:06.047	eyJhbGciOiJIUzUxMi...	{"timestamp":"2026-03-03T06:27:06.0467910Z","level":"info",...
> 03/03/2026, 06:27:04.574	eyJhbGciOiJIUzUxMi...	{"timestamp":"2026-03-03T06:27:04.5742990Z","level":"info",...

There exists a function for redacting JWT tokens

[airflow/shared/logging/src/airflow_shared/logging/structlog.py](#)

Lines 205 to 216 in c7cbced

```

205 # `eyJ` is `{` in base64 encoding -- and any value that starts like that is very l
206 # token. Better safe than sorry
207 def redact_jwt(logger: Any, method_name: str, event_dict: EventDict) -> EventDict:
208     for k, v in event_dict.items():
209         if isinstance(v, str):
210             event_dict[k] = re.sub(JWT_PATTERN, "eyJ***", v)
211     return event_dict
212
213
214 def drop_positional_args(logger: Any, method_name: Any, event_dict: EventDict) -> E
215     event_dict.pop("positional_args", None)
216     return event_dict

```

But it doesn't work for this line, presumably because `workload` is an object not a string -

[airflow/task-sdk/src/airflow/sdk/execution_time/execute_workload.py](#)

Line 56 in c7cbced

```
56     log.info("Executing workload", workload=workload)
```

The workload object has a JWT embedded inside it.

What you think should happen instead?

No response

How to reproduce

Run any DAG

Operating System

debian bookworm

Versions of Apache Airflow Providers

No response

Deployment

Official Apache Airflow Helm Chart

Deployment details

No response

Anything else?

No response

Are you willing to submit PR?

Yes I am willing to submit a PR!

Code of Conduct

I agree to follow this project's [Code of Conduct](#)

nosami added **kind:bug** **area:core** **needs-triage** on [Mar 3](#)

boring-cyborg **bot** on [Mar 3](#) – with [boring-cyborg](#)

Thanks for opening your first issue here! Be sure to follow the issue template! If you are willing to raise PR to address this issue please do so, no need to wait for approval.

dosubot added **area:logging** **security** on [Mar 3](#)

sunank200 added a commit that references this issue on [Mar 3](#)

Fix JWT tokens appearing in task logs [...](#)

c701da5

sunank200 mentioned this on [Mar 3](#)

[Fix JWT tokens appearing in task logs sunank200/airflow#1](#)

sunank200 self-assigned this on [Mar 3](#)

sunank200 mentioned this on [Mar 3](#)

[Fix JWT tokens appearing in task logs #62782](#)

tirkarthi on [Mar 4](#)

Contributor [...](#)

This looks like a duplicate of [#62428](#)

1

eladkal mentioned this on [Mar 6](#)

[fix: exclude JWT token from workload repr to prevent log exposure #62964](#)

kaxil closed this as **completed** in [b196cf3](#) on [Mar 7](#)

akhilsharora added a commit that references this issue on [Mar 7](#)

fix: Exclude JWT token from workload repr to prevent log exposure ([ap.](#) [...](#))

Verified [b196cf3](#)



vatsrahul1001 added a commit that references this issue [on Mar 11](#)

fix: Exclude JWT token from workload repr to prevent log exposure ([#6](#). d336be1



dominikhei added a commit that references this issue [on Mar 11](#)

fix: Exclude JWT token from workload repr to prevent log exposure ([ap](#). 6168ee4

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Metadata

Assignees

sunank200

Labels

[area:core](#) [area:logging](#) [kind:bug](#) [needs-triage](#) [security](#)

Type

No type

Fields

[Give feedback](#)

No fields configured for issues without a type.

Projects

No projects

Milestone

No milestone

Relationships

None yet

Development

Fix JWT tokens appearing in task logs
sunank200/airflow

Fix JWT tokens appearing in task logs
apache/airflow

fix: exclude JWT token from workload repr to prevent log exposure
apache/airflow



Participants

