

Comments (3)

Dependencies

Duplicates (0)

Blocking (0)


Resources (4)

Fixed

Feature Request


P2

+ Add Hotlist

 STATUS UPDATE


No update yet.

Edit

 DESCRIPTION

fn...@google.com created issue [#1](#)

May 25, 2021 08:10PM



We'd like to use Composer to run Java 11 jars but Airflow tasks only support Java 8. Is there any way that we can change the default cloud composer Java from version 8 to 11+?

The following is the log when running the Java 11 compiled jar: Error: A JNI error has occurred, please check your installation and try again\nException in thread "main" java.lang.UnsupportedClassVersionError: <REDACTED> has been compiled by a more recent version of the Java Runtime (class file version 55.0), this version of the Java Runtime only recognizes class file versions up to 52.0

Workarounds

1. Use the DataflowTemplateOperator[1] instead of the DataFlowJavaOperator. The DataFlowJavaOperator requires Java to be locally installed in order to prepare artifacts while with DataflowTemplateOperator, Dataflow templates[2] guarantee that the version of jars are exactly the same between executions.
2. Use KubernetesPodOperator[3] and create a Docker image with gcloud and Java 11.

This feature request has been forwarded to the Composer product management team so that they may evaluate it. There is no timeline or implementation guarantee for feature requests. All communication regarding this feature request is to be done here.


[1] https://airflow.apache.org/docs/apache-airflow/1.10.12/_api/airflow/contrib/operators/dataflow_operator/index.html

[2] https://cloud.google.com/dataflow/docs/guides/templates/using-flex-templates#creating_a_flex_template

[3] <https://cloud.google.com/composer/docs/how-to/using/using-kubernetes-pod-operator>

✓ Links (4)

Hide all

 Links (4)

"[1] https://airflow.apache.org/docs/apache-airflow/1.10.12/_api/airflow/contrib/operators/dataflo... "

fn...@ #1

"[2] <https://cloud.google.com/dataflow/docs/guides/templates/using-flex-templates#creati...> "

fn...@ #1

"[3] <https://cloud.google.com/composer/docs/how-to/using/using-kubernet...> "

fn...@ #1


"From <https://cloud.google.com/composer/docs/release-notes#September...> :"

st...@ #2

COMMENTS


All comments

↓ Oldest first

 st...@google.com

<st...@google.com> [#2](#)


Jul 26, 2022 01:17AM



This has been fixed.


From https://cloud.google.com/composer/docs/release-notes#September_15_2021:

Java Runtime in Airflow workers and schedulers is updated from version 8 to version 11.

 ra...@google.com

<ra...@google.com> [#3](#)

Apr 24, 2023 10:09PM



Marked as fixed.

Java 11 is already supported by Cloud Composer.

Reporter

fn...@google.com

Type

Feature Request

Priority

P2

Severity

S2

Status

Fixed

Access

Default access

View

Expanded Access?



Assignee

gc...@google.com



Verifier

--

Collaborators

CC

hy...@moloco.com

st...@google.com

Component

--

Language

--

Operating System

--

Product

--

Version

--

Found In

--

Targeted To

--

Verified In

--

In Prod

