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















1. **summary:** [BEAM-10251] Adds transform id to TestStream step (#12003)
message: [BEAM-10251] Adds transform id to TestStream step (#12003) * Adds transform id to the constructed TestStream step for both Python and Java. * Fixes lint formatting error.

github_issues:**github_issues_comments:****github_pulls:**

1. **title:** [BEAM-10251] Adds transform id to TestStream step
body: This is done for the Dataflow runner for both Python and Java. We need the transform id so we can look up relevant info (like environment) in the pipeline proto. R: @lukecwik ----- Thank you for your contribution! Follow this checklist to help us incorporate your contribution quickly and easily: - [] ****Choose reviewer(s)****(<https://beam.apache.org/contribute/#make-your-change>) and mention them in a comment ('R: @username'). - [] Format the pull request title like ` [BEAM-XXX] Fixes bug in ApproximateQuantiles`, where you replace `BEAM-XXX` with the appropriate JIRA issue, if applicable. This will automatically link the pull request to the issue. - [] Update `CHANGES.md` with noteworthy changes. - [] If this contribution is large, please file an Apache [Individual Contributor License Agreement](<https://www.apache.org/licenses/icla.pdf>). See the [Contributor Guide](<https://beam.apache.org/contribute>) for more tips on [how to make review process smoother](<https://beam.apache.org/contribute/#make-reviewers-job-easier>). Post-Commit Tests Status (on master branch) -----
----- Lang | SDK | Apex | Dataflow | Flink | Samza | Spark --- | --- | --- | --- | ---
| --- | --- Go | [\[!\[Build Status\]\(https://builds.apache.org/job/beam_PostCommit_Go/lastCompletedBuild/badge/icon\)\]](https://builds.apache.org/job/beam_PostCommit_Go/lastCompletedBuild/badge/icon)
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----- | Java | Python | Go | Website --- | --- | --- | --- | ---
Non-portable |  [Build Status] (https://builds.apache.org/job/beam_PreCommit_Java_Cron/lastCompletedBuild/badge/icon)
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label: code-design

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(https://builds.apache.org/job/beam_PostCommit_Java_ValidatesRunner_Dataflow/lastCompletedBuild/badge/icon)
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[![Build Status]
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(https://builds.apache.org/job/beam_PostCommit_Python37/lastCompletedBuild/) | --- | [![Build Status]
(https://builds.apache.org/job/beam_PostCommit_Py_VR_Dataflow/lastCompletedBuild/badge/icon)
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(https://builds.apache.org/job/beam_PostCommit_Py_VR_Dataflow_V2/lastCompletedBuild/badge/icon)
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(https://builds.apache.org/job/beam_PostCommit_Python_VR_Spark/lastCompletedBuild/) XLang | --- | --- | --- | [![Build Status]
(https://builds.apache.org/job/beam_PostCommit_XVR_Flink/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PostCommit_XVR_Flink/lastCompletedBuild/) | --- | --- | [![Build Status]
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(https://builds.apache.org/job/beam_PostCommit_XVR_Spark/lastCompletedBuild/) Pre-Commit Tests Status (on master branch) ---
----- | Java | Python | Go | Website --- | --- | --- | --- | ---
Non-portable | [![Build Status](https://builds.apache.org/job/beam_PreCommit_Java_Cron/lastCompletedBuild/badge/icon)]
(https://builds.apache.org/job/beam_PreCommit_Java_Cron/lastCompletedBuild/) | [![Build Status]
(https://builds.apache.org/job/beam_PreCommit_Python_Cron/lastCompletedBuild/badge/icon)
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(https://builds.apache.org/job/beam_PreCommit_PythonLint_Cron/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PreCommit_PythonLint_Cron/lastCompletedBuild/) | [![Build Status]
(https://builds.apache.org/job/beam_PreCommit_Go_Cron/lastCompletedBuild/badge/icon)
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(https://builds.apache.org/job/beam_PreCommit_Website_Cron/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PreCommit_Website_Cron/lastCompletedBuild/) Portable | --- | [![Build Status]
(https://builds.apache.org/job/beam_PreCommit_Portable_Python_Cron/lastCompletedBuild/badge/icon)
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4. **title:** [BEAM-10251] Adds transform id to TestStream step

body: This is done for the Dataflow runner for both Python and Java. We need the transform id so we can look up relevant info (like environment) in the pipeline proto. R: @lukecwik ----- Thank you for your contribution! Follow this checklist to help us incorporate your contribution quickly and easily: - [] **Choose reviewer(s)** (<https://beam.apache.org/contribute/#make-your-change>) and mention them in a comment ('R: @username'). - [] **Format the pull request title** like '[BEAM-XXX] Fixes bug in ApproximateQuantiles', where you replace 'BEAM-XXX' with the appropriate JIRA issue, if applicable. This will automatically link the pull request to the issue. - [] **Update 'CHANGES.md'** with noteworthy changes. - [] **If this contribution is large**, please file an Apache [Individual Contributor License Agreement](<https://www.apache.org/licenses/icla.pdf>). See the [Contributor Guide](<https://beam.apache.org/contribute>) for more tips on [how to make review process smoother] (<https://beam.apache.org/contribute/#make-reviewers-job-easier>). Post-Commit Tests Status (on master branch) -----
----- Lang | SDK | Apex | Dataflow | Flink | Samza | Spark --- | --- | --- | --- | ---
| --- | --- Go | [![Build Status](https://builds.apache.org/job/beam_PostCommit_Go/lastCompletedBuild/badge/icon)]
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(https://builds.apache.org/job/beam_PostCommit_Java_ValidatesRunner_Samza/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PostCommit_Java_ValidatesRunner_Samza/lastCompletedBuild/) | [![Build Status]
(https://builds.apache.org/job/beam_PostCommit_Java_ValidatesRunner_Spark/lastCompletedBuild/badge/icon)

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[![Build Status](https://builds.apache.org/job/beam_PostCommit_Python2/lastCompletedBuild/badge/icon)]
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[![Build Status](https://builds.apache.org/job/beam_PostCommit_Python35/lastCompletedBuild/badge/icon)]
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(https://builds.apache.org/job/beam_PostCommit_Python35_VR_Flink/lastCompletedBuild/) | --- | [![Build Status](https://builds.apache.org/job/beam_PostCommit_Python_VR_Spark/lastCompletedBuild/badge/icon)]
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(https://builds.apache.org/job/beam_PostCommit_XVR_Flink/lastCompletedBuild/) | --- | --- | [![Build Status](https://builds.apache.org/job/beam_PostCommit_XVR_Spark/lastCompletedBuild/badge/icon)]
(https://builds.apache.org/job/beam_PostCommit_XVR_Spark/lastCompletedBuild/) Pre-Commit Tests Status (on master branch) ---
----- | Java | Python | Go | Website --- | --- | --- | --- | ---

Non-portable | [![Build Status](https://builds.apache.org/job/beam_PreCommit_Java_Cron/lastCompletedBuild/badge/icon)]
(https://builds.apache.org/job/beam_PreCommit_Java_Cron/lastCompletedBuild/) | [![Build Status](https://builds.apache.org/job/beam_PreCommit_Python_Cron/lastCompletedBuild/badge/icon)]
(https://builds.apache.org/job/beam_PreCommit_Python_Cron/lastCompletedBuild/)
[![Build Status](https://builds.apache.org/job/beam_PreCommit_PythonLint_Cron/lastCompletedBuild/badge/icon)]
(https://builds.apache.org/job/beam_PreCommit_PythonLint_Cron/lastCompletedBuild/) | [![Build Status](https://builds.apache.org/job/beam_PreCommit_Go_Cron/lastCompletedBuild/badge/icon)]
(https://builds.apache.org/job/beam_PreCommit_Go_Cron/lastCompletedBuild/) | [![Build Status](https://builds.apache.org/job/beam_PreCommit_Website_Cron/lastCompletedBuild/badge/icon)]
(https://builds.apache.org/job/beam_PreCommit_Website_Cron/lastCompletedBuild/) Portable | --- | [![Build Status](https://builds.apache.org/job/beam_PreCommit_Portable_Python_Cron/lastCompletedBuild/badge/icon)]
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----- Lang | SDK | Apex | Dataflow | Flink | Samza | Spark --- | --- | --- | --- | ---
| --- | --- Go | [![Build Status](https://builds.apache.org/job/beam_PostCommit_Go/lastCompletedBuild/badge/icon)]
(https://builds.apache.org/job/beam_PostCommit_Go/lastCompletedBuild/) | --- | --- | [![Build Status](https://builds.apache.org/job/beam_PostCommit_Go_VR_Flink/lastCompletedBuild/badge/icon)]
(https://builds.apache.org/job/beam_PostCommit_Go_VR_Flink/lastCompletedBuild/) | --- | [![Build Status](https://builds.apache.org/job/beam_PostCommit_Go_VR_Spark/lastCompletedBuild/badge/icon)]
(https://builds.apache.org/job/beam_PostCommit_Go_VR_Spark/lastCompletedBuild/) Java | [![Build Status](https://builds.apache.org/job/beam_PostCommit_Java/lastCompletedBuild/badge/icon)]
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(https://builds.apache.org/job/beam_PostCommit_XVR_Spark/lastCompletedBuild/badge/icon)
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----- |Java | Python | Go | Website --- | --- | --- | --- | ---
Non-portable | [![Build Status](https://builds.apache.org/job/beam_PreCommit_Java_Cron/lastCompletedBuild/badge/icon)]
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----- Lang | SDK | Apex | Dataflow | Flink | Samza | Spark --- | --- | --- | ---
| --- | --- Go | [![Build Status](https://builds.apache.org/job/beam_PostCommit_Go/lastCompletedBuild/badge/icon)]
(https://builds.apache.org/job/beam_PostCommit_Go/lastCompletedBuild/) | --- | [![Build Status]
(https://builds.apache.org/job/beam_PostCommit_Go_VR_Flink/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PostCommit_Go_VR_Flink/lastCompletedBuild/) | --- | [![Build Status]
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(https://builds.apache.org/job/beam_PostCommit_Go_VR_Spark/lastCompletedBuild/) Java | [![Build Status]
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(https://builds.apache.org/job/beam_PostCommit_Java/lastCompletedBuild/) | [![Build Status]
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(https://builds.apache.org/job/beam_PostCommit_XVR_Spark/lastCompletedBuild/) Pre-Commit Tests Status (on master branch) ---
----- | Java | Python | Go | Website --- | --- | --- | --- | ---
Non-portable | [!Build Status](https://builds.apache.org/job/beam_PreCommit_Java_Cron/lastCompletedBuild/badge/icon)
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(https://builds.apache.org/job/beam_PreCommit_Website_Cron/lastCompletedBuild/badge/icon)
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(https://builds.apache.org/job/beam_PreCommit_Portable_Python_Cron/lastCompletedBuild/) --- | --- See [.test-infra/jenkins/README](https://github.com/apache/beam/blob/master/.test-infra/jenkins/README.md) for trigger phrase, status and link of all Jenkins jobs.

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----- Lang | SDK | Apex | Dataflow | Flink | Samza | Spark --- | --- | --- | --- | ---
| --- | --- Go | [!Build Status](https://builds.apache.org/job/beam_PostCommit_Go/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PostCommit_Go/lastCompletedBuild/) | --- | --- | [!Build Status]
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----- Java | Python | Go | Website --- | --- | --- | ---

Non-portable | [\[!Build Status\]](#)(https://builds.apache.org/job/beam_PreCommit_Java_Cron/lastCompletedBuild/badge/icon)

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(https://builds.apache.org/job/beam_PreCommit_Website_Cron/lastCompletedBuild/) Portable | --- | [\[!Build Status\]](#)

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(https://builds.apache.org/job/beam_PostCommit_Python37/lastCompletedBuild/) | --- | [\[!Build Status\]](https://builds.apache.org/job/beam_PostCommit_Py_VR_Dataflow/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PostCommit_Py_VR_Dataflow/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PostCommit_Py_VR_Dataflow/lastCompletedBuild/)
[\[!Build Status\]](https://builds.apache.org/job/beam_PostCommit_Py_VR_Dataflow_V2/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PostCommit_Py_VR_Dataflow_V2/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PostCommit_Py_VR_Dataflow_V2/lastCompletedBuild/)
[\[!Build Status\]](https://builds.apache.org/job/beam_PostCommit_Py_ValCont/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PostCommit_Py_ValCont/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PostCommit_Py_ValCont/lastCompletedBuild/) | [\[!Build Status\]](https://builds.apache.org/job/beam_PreCommit_Python2_PVR_Flink_Cron/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PreCommit_Python2_PVR_Flink_Cron/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PreCommit_Python2_PVR_Flink_Cron/lastCompletedBuild/)
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(https://builds.apache.org/job/beam_PreCommit_Python35_VR_Flink/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PreCommit_Python35_VR_Flink/lastCompletedBuild/) | --- | [\[!Build Status\]](https://builds.apache.org/job/beam_PostCommit_Python_VR_Spark/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PostCommit_Python_VR_Spark/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PostCommit_Python_VR_Spark/lastCompletedBuild/) XLang | --- | --- | --- | [\[!Build Status\]](https://builds.apache.org/job/beam_PostCommit_XVR_Flink/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PostCommit_XVR_Flink/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PostCommit_XVR_Flink/lastCompletedBuild/) | --- | --- | [\[!Build Status\]](https://builds.apache.org/job/beam_PostCommit_XVR_Spark/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PostCommit_XVR_Spark/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PostCommit_XVR_Spark/lastCompletedBuild/) Pre-Commit Tests Status (on master branch) ---
----- --- | Java | Python | Go | Website --- | --- | --- | --- | ---
Non-portable | [\[!Build Status\]](https://builds.apache.org/job/beam_PreCommit_Java_Cron/lastCompletedBuild/badge/icon)(https://builds.apache.org/job/beam_PreCommit_Java_Cron/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PreCommit_Java_Cron/lastCompletedBuild/) | [\[!Build Status\]](https://builds.apache.org/job/beam_PreCommit_Python_Cron/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PreCommit_Python_Cron/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PreCommit_Python_Cron/lastCompletedBuild/)
[\[!Build Status\]](https://builds.apache.org/job/beam_PreCommit_PythonLint_Cron/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PreCommit_PythonLint_Cron/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PreCommit_PythonLint_Cron/lastCompletedBuild/) | [\[!Build Status\]](https://builds.apache.org/job/beam_PreCommit_Go_Cron/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PreCommit_Go_Cron/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PreCommit_Go_Cron/lastCompletedBuild/) | [\[!Build Status\]](https://builds.apache.org/job/beam_PreCommit_Website_Cron/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PreCommit_Website_Cron/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PreCommit_Website_Cron/lastCompletedBuild/) Portable | --- | [\[!Build Status\]](https://builds.apache.org/job/beam_PreCommit_Portable_Python_Cron/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PreCommit_Portable_Python_Cron/lastCompletedBuild/badge/icon)
(https://builds.apache.org/job/beam_PreCommit_Portable_Python_Cron/lastCompletedBuild/) | --- | --- See [.test-infra/jenkins/README](<https://github.com/apache/beam/blob/master/.test-infra/jenkins/README.md>) for trigger phrase, status and link of all Jenkins jobs.

github_pulls_comments:

1. retest this please
2. **body:** Confirmed that this is unused in Go SDK.
label: code-design
3. retest this please
4. retest this please
5. Run Python PreCommit
6. Run Python PreCommit

github_pulls_reviews:

jira_issues:

1. **summary:** TestStream needs to register transform id
description: For the Dataflow runner we also need to add the transform id to the TestStream stem created. This is so that other information about the operation can be looked up in the pipeline proto. This will need to be done for both Java and Python.
2. **summary:** TestStream needs to register transform id
description: For the Dataflow runner we also need to add the transform id to the TestStream stem created. This is so that other information about the operation can be looked up in the pipeline proto. This will need to be done for both Java and Python.

jira_issues_comments: