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Docs: Fix inconsistency in documents when using BashOperator with Jinja templating #64129

Merged [potiuk](#) merged 1 commit into [apache:main](#) from [sjyangkevin:fix-bash-operator-doc...](#) last month

[Conversation](#) [Commits](#) 1 [Checks](#) [Files changed](#)



[sjyangkevin](#) commented [last month](#)

Contributor

Why

The [BashOperator](#) document has a warning about passing `dag_run.conf` directly into the `bash_command`. This usage is not suggested. However, in the [Core Concepts - Dag Run](#) document, the example use the pattern that is not recommended, which is an inconsistency. This PR fixes this by updating the example in the Core Concepts -Dag Run document.

BashOperator Document

Warning

Care should be taken with "user" input or when using Jinja templates in the `bash_command`, as this bash operator does not perform any escaping or sanitization of the command.

This applies mostly to using "dag_run" conf, as that can be submitted via users in the Web UI. Most of the default template variables are not at risk.

For example, do **not** do this:

```
bash_task = BashOperator(  
    task_id="bash_task",  
    bash_command='echo "Here is the message: \`${{ dag_run.conf["message"] if dag_run else "" }}\'',  
)
```

Core Concepts - Dag Run Document

Example of a parameterized Dag:

```
import pendulum

from airflow.sdk import DAG
from airflow.providers.standard.operators.bash import BashOperator

dag = DAG(
    "example_parameterized_dag",
    schedule=None,
    start_date=pendulum.datetime(2021, 1, 1, tz="UTC"),
    catchup=False,
)

parameterized_task = BashOperator(
    task_id="parameterized_task",
    bash_command="echo value: {{ dag_run.conf['conf1'] }}",
    dag=dag,
)
```

Note: The parameter from `dag_run.conf` can only be used in a template field of an operator.

Was generative AI tooling used to co-author this PR?



Yes (please specify the tool below)

- Read the [Pull Request Guidelines](#) for more information. Note: commit author/co-author name and email in commits become permanently public when merged.
- For fundamental code changes, an Airflow Improvement Proposal ([AIP](#)) is needed.
- When adding dependency, check compliance with the [ASF 3rd Party License Policy](#).
- For significant user-facing changes create newsfragment: `{pr_number}.significant.rst`, in [airflow-core/newsfragments](#). You can add this file in a follow-up commit after the PR is created so you know the PR number.

  update Dag Runs document under Core Concept to make it consistent wit...   [d279135](#)

  **boring-cyborg**  added the **kind:documentation** label [last month](#)

  **sjyangkevin** marked this pull request as ready for review [last month](#)

  **sjyangkevin** changed the title **Docs: Fix inconsistency in documents in using `BashOperator` with Jinja templating** **Docs: Fix inconsistency in documents when using `BashOperator` with Jinja templating** [last month](#)

 **Shrividya** reviewed [last month](#)

[View reviewed changes](#)

> airflow-core/docs/core-concepts/dag-run.rst Show resolved

✓ **potiuk** approved these changes [last month](#)

[View reviewed changes](#)

✓ **potiuk** approved these changes [last month](#)

[View reviewed changes](#)

potiuk merged commit **af4f825** into `apache:main` [last month](#)

134 checks passed

[View details](#)

potiuk added the `backport-to-v3-1-test` label [last month](#)

potiuk added this to the **Airflow 3.1.9** milestone [last month](#)

potiuk pushed a commit that referenced this pull request [last month](#)

[v3-1-test] update Dag Runs document under Core Concept to make it co... [a0c08e3](#) ✓

potiuk mentioned this pull request [last month](#)

[\[v3-1-test\] update Dag Runs document under Core Concept to make it co... #64140](#)

Merged

1 task

potiuk added a commit that referenced this pull request [last month](#)

[v3-1-test] update Dag Runs document under Core Concept to make it co... [ca42a61](#) ✓

vatsrahul1001 pushed a commit that referenced this pull request [last month](#)

update Dag Runs document under Core Concept to make it consistent wit... [c6d593f](#)

 **vatsraahul1001** pushed a commit that referenced this pull request [last month](#)


 [v3-1-test] [update Dag Runs document under Core Concept to make it co...](#) ... [d268cce](#)


 **nailo2c** pushed a commit to [nailo2c/airflow](#) that referenced this pull request [3 weeks ago](#)

 [update Dag Runs document under Core Concept to make it consistent wit...](#) ... [d70609d](#)

 **Suraj-kumar00** pushed a commit to [Suraj-kumar00/airflow](#) that referenced this pull request [2 weeks ago](#)

 [update Dag Runs document under Core Concept to make it consistent wit...](#) ... [ed7ac6f](#)

 **abhijeets25012-tech** pushed a commit to [abhijeets25012-tech/airflow](#) that referenced this pull request [2 weeks ago](#)

 [update Dag Runs document under Core Concept to make it consistent wit...](#) ... [468adb5](#)

  **nixpkgs-security-tracker** (Bot) mentioned this pull request [2 days ago](#)

[Apache Airflow: Bad example of BashOperator shell injection via dag_run.conf](#)
[NixOS/nixpkgs#511461](#)

 Open

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Reviewers

 **potiuk** 

+1 more reviewer 

 **Shrividya** 

Assignees

No one assigned

Labels

kind:documentation

Projects

None yet

Milestone



Airflow 3.1.9 (never release)

Development

Successfully merging this pull request may close these issues.

None yet

3 participants

