

git_comments:

1. pylint: disable=E0611
2. Create hook or slack_hook = SlackHook(slack_conn_id="slack")
3. Call generic API with parameters (errors are handled by hook) For more details check <https://api.slack.com/methods/chat.postMessage>
4. Call method from Slack SDK (you have to handle errors yourself) For more details check https://slack.dev/python-slackclient/basic_usage.html#sending-a-message
5. Mock Assert
6. Mock Run
7. Given
8. Run
9. Assert

git_commits:

1. **summary:** [AIRFLOW-4543] Update slack operator to support slackclient v2 (#5519)
message: [AIRFLOW-4543] Update slack operator to support slackclient v2 (#5519) Co-authored-by: Kaxil Naik <kaxilnaik@gmail.com>
 Co-authored-by: Kaxil Naik <8811558+kaxil@users.noreply.github.com>

github_issues:

1. **title:** Support slackclient v2 with 2.0
body: ****Description**** Slack migrated their Python client to v2. In v1 they ended support for Python 2.7 with its EOL. Airflow 2.0 will also end support for Python 2.7, so there's no need for the outdated dependency to stick around. ****Use case / motivation**** The [Python Slack SDK documentation](<https://slack.dev/python-slackclient/>) for v1 of the SDK is nowhere to be found, taking all the fun out of using it. Furthermore, [Slack does not add new features to the v1 SDK](<https://github.com/slackapi/python-slackclient/wiki/Migrating-to-2.x#minimum-python-versions>). ****Related Issues / PR**** PR <https://github.com/apache/airflow/pull/5519> already implemented the change for the Slack operators, but was not merged because Python 2 was still supported at the time. The corresponding [AIRFLOW-4543] (<https://issues.apache.org/jira/browse/AIRFLOW-4543>) ticket is closed and cannot be reopened.
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github_issues_comments:

1. Thanks for opening your first issue here! Be sure to follow the issue template!
2. Resolved in <https://github.com/apache/airflow/pull/5519> and released in [slack provider](<https://pypi.org/project/apache-airflow-backport-providers-slack/>)>= 2020.6.24

github_pulls:

1. **title:** [AIRFLOW-4543] Update slack operator to support slackclient v2
body: Make sure you have checked `_all_` steps below. **### Jira** - [x] My PR addresses the following [Airflow Jira] (<https://issues.apache.org/jira/browse/AIRFLOW/>) issues and references them in the PR title. For example, "[AIRFLOW-XXX] My Airflow PR" - <https://issues.apache.org/jira/browse/AIRFLOW-4543> **### Description** - [x] Here are some details about my PR, including screenshots of any UI changes: * Support (exclusively) official slack library v2. * Retain existing functionality and interface * Slightly change structure (eg remove some properties) * Remove a redundant check that was made in both Hook and Operator This PR addresses issue #8433 **### Tests** - [x] My PR adds the following unit tests `__OR__` does not need testing for this extremely good reason: * `tests.operators.test_slack_operator` * `tests.hooks.test_slack_hook.SlackHookTestCase` **### Commits** - [x] My commits all reference Jira issues in their subject lines, and I have squashed multiple commits if they address the same issue. In addition, my commits follow the guidelines from "[How to write a good git commit message](<http://chris.beams.io/posts/git-commit/>)": 1. Subject is separated from body by a blank line 1. Subject is limited to 50 characters (not including Jira issue reference) 1. Subject does not end with a period 1. Subject uses the imperative mood ("add", not "adding") 1. Body wraps at 72 characters 1. Body explains "what" and "why", not "how" **### Documentation** - [x] In case of new functionality, my PR adds documentation that describes how to use it. - All the public functions and the classes in the PR contain docstrings that explain what it does - If you implement backwards incompatible changes, please leave a note in the [Updating.md] (<https://github.com/apache/airflow/blob/master/UPDATING.md>) so we can assign it to a appropriate release **### Code Quality** - [x] Passes `'flake8'`
label: code-design

github_pulls_comments:

1. Closing this PR as <https://pypi.org/project/slackclient/> requires py36.
2. > Closing this PR as <https://pypi.org/project/slackclient/> requires py36. Is there a roadmap regarding this Operator (and dependency) now that Python 2.x is EOL? We're having problems with slackclient 1.x on an Airflow 1.10.7 instance running on Python 3.7. Afaik, slackclient 1.x is

- now without support due to the EOL: <https://github.com/slackapi/python-slackclient/wiki/Migrating-to-2.x#minimum-python-versions>
- Airflow 2.0 will only support Python 3+, so we can now update this library. If you do it quite quickly, they will be available in the [backport package] (<https://lists.apache.org/thread.html/rf6f2de8056b00ad084c96a9428670c14421a89ba2b8bd362d833bb50%40%3Cdev.airflow.apache.org%3E>).
 - With Python 2.x EOL and slackclient 1.x being deprecated for a while now, can this issue be re-opened, @serkef ?
 - @serkef Would you like to reopen and work on this PR? Airflow Master requires Python 3.6+ so this would be a good fit.
 - @kaxil can you help a bit? Why are the CI actions not running? Also I see conflicts on the files that I resolved when I rebased. I'm probably missing something...
 - > @kaxil can you help a bit? Why are the CI actions not running? Also I see conflicts on the files that I resolved when I rebased. I'm probably missing something... That is strange. Can you rebase on latest Master please, looks like there are some conflicts. Hopefully once you do that, GA should run
 - Unfortunately, our tests didn't catch this too :(Can you fix the error please
 - Check this out: <https://github.com/slackapi/python-slackclient/wiki/Migrating-to-2.x> **Before 2.0**:** `python from slackclient import SlackClient client = SlackClient(os.environ["SLACK_API_TOKEN"]) client.api_call('chat.postMessage', timeout=30, channel='C0123456', text="Hi!")` **After 2.0**:** `python import slack client = slack.WebClient(os.environ["SLACK_API_TOKEN"], timeout=30) client.api_call('chat.postMessage', json={'channel': 'C0123456', 'text': 'Hi!'})` # Note: That while the above is allowed, the more efficient way to call that API is like this: `client.chat_postMessage(channel='C0123456', text='Hi!')`
 - The following diff should also check and fix the issue: `diff --git a/airflow/providers/slack/hooks/slack.py b/airflow/providers/slack/hooks/slack.py index 3a0cd693c..d4d558e7a 100644 --- a/airflow/providers/slack/hooks/slack.py +++ b/airflow/providers/slack/hooks/slack.py @@ -80,7 +80,7 @@ class SlackHook(BaseHook): :param api_params: parameters of the API """ slack_client = WebClient(self.token, **self.client_args) - return_code = slack_client.api_call(method, **api_params) + return_code = slack_client.api_call(method, json=api_params) try: return_code.validate() diff --git a/tests/providers/slack/hooks/test_slack.py b/tests/providers/slack/hooks/test_slack.py index 1594d8b1d..cfb5c79dc 100644 --- a/tests/providers/slack/hooks/test_slack.py +++ b/tests/providers/slack/hooks/test_slack.py @@ -160,3 +160,13 @@ class TestSlackHook(unittest.TestCase): except AirflowException as exc: self.assertIn("foo", str(exc)) self.assertIn("bar", str(exc)) + + @mock.patch('airflow.providers.slack.hooks.slack.WebClient.api_call', autospec=True) + @mock.patch('airflow.providers.slack.hooks.slack.WebClient') + def test_api_call(self, mock_slack_client, mock_slack_api_call): + slack_hook = SlackHook(token='test_token') + test_api_params = {'channel': 'test_channel'} + + slack_hook.call("chat.postMessage", test_api_params) + mock_slack_api_call.assert_called_once_with(+ mock_slack_client, "chat.postMessage", json=test_api_params)`
 - @kaxil thanks for testing this. I made the required changes. > Have you tested that the `SlackAPIPostOperator` still works with attachments? Yes, I tested an example DAG locally with the following task: `run_this = SlackAPIPostOperator(task_id="post_hello", dag=dag, token="xxx", text="Hello", channel="#welcome", attachments=[{"pretext": "pre-hello", "text": "text-world"}],)` And result ![image] (<https://user-images.githubusercontent.com/3225779/81100218-7562a500-8f0c-11ea-8ad1-b57c319f3966.png>)
 - Docs build is failing: https://github.com/apache/airflow/pull/5519/checks?check_run_id=647041208
 - Thanks for finishing this up @kaxil

github_pulls_reviews:

- body:** PRs are _much_ easier to review if you don't make un-necessary/stylistic changes like this. Please back this sort of change out :)
label: code-design
- ok, reverted.
- v.2.5.0 is already out. Shall I restrict minimum version?
- ```suggestion :type use_session: bool```
- ```suggestion ```https://www.slack.com/api/``````
- Let's not create a client in `__init__`
- body:** Done. I would assume it's more efficient to create the connection on init to possibly reuse. Do we have a common pattern in airflow hooks to create the connections during the call?
label: code-design
- I had a brain-fade moment actually 🤔. I thought the client creation was inside Operator's init method, so to avoid DB calls while DAG Parsing I suggested to move it outside `__init__`. It won't matter with Hook
- Happy to merge it now as it is.
- It worked for me after the following change: ````suggestion return_code = slack_client.api_call(method, json=api_params)````
- I moved this back to init, to give the possibility to operators to use the client directly.
- I mean creating SlackHook is fine isn't it? As the WebClient does not call any external service by itself until `WebClient.call` is run
- body:** I want to test the `get_token` which is called in the `__init__` so this is why I'm creating a dummy subclass with empty init. Is there a better way to do it?
label: code-design
- There is no need of dummy subclasses, you can initialize the Slack directly, it is not calling slack API in the `__init__` is it?
- ```suggestion self.token = self.__get_token(token, slack_conn_id)```
- Pushed a commit to PR: <https://github.com/apache/airflow/pull/5519/commits/d81d6e947ba364b0dd9e730507e51ff2a0d3d3e2>

jira_issues:

- summary:** Update slack operator to support slackclient v2
description: Official [Slack API for python|<https://pypi.org/project/slackclient/>] has recently released [v.2|<https://github.com/slackapi/python-slackclient/wiki/Migrating-to-2.x0>] Among others some important points: * Async IO * SSL and Proxy * Dropping 2.7 support Opening this ticket to work on the upgrade. Current functionalities will be migrated and will try to extend functionalities, if possible.

jira_issues_comments:

- serkef commented on pull request #5519: [AIRFLOW-4543] Update slack operator to support slackclient v2 URL: <https://github.com/apache/airflow/pull/5519> Make sure you have checked _all_ steps below. ### Jira - [x] My PR addresses the following [Airflow Jira](<https://issues.apache.org/jira/browse/AIRFLOW/>) issues and references them in the PR title. For example, "[AIRFLOW-XXX] My Airflow PR" - <https://issues.apache.org/jira/browse/AIRFLOW-4543> ### Description - [] Here are some details about my PR, including screenshots of any UI changes: * Support (exclusively) official slack library v2. * Retain existing functionality and interface * Slightly change structure (eg remove some properties) * Remove a redundant check that was made in both Hook and Operator ### Tests - [x] My PR adds the following unit tests __OR__ does not need testing for this extremely good reason: * tests.operators.test_slack_operator * tests.hooks.test_slack_hook.SlackHookTestCase ### Commits - [] My commits all reference Jira issues in their subject lines, and I have

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2. Unfortunately v2 requires 3.6 [https://pypi.org/project/slackclient/https://pypi.org/project/slackclient/] I think we can close this
3. serkef commented on pull request #5519: [AIRFLOW-4543] Update slack operator to support slackclient v2 URL: https://github.com/apache/airflow/pull/5519 ----- This is an automated message from the Apache Git Service. To respond to the message, please log on to GitHub and use the URL above to go to the specific comment. For queries about this service, please contact Infrastructure at: users@infra.apache.org
4. Closing because 3.5 cannot be supported
5. kaxil commented on issue #5519: URL: https://github.com/apache/airflow/pull/5519#issuecomment-617128959 @serkef Would like to reopen and work on this PR? Airflow Master requires Python 3.6+ so this would be a good fit. ----- This is an automated message from the Apache Git Service. To respond to the message, please log on to GitHub and use the URL above to go to the specific comment. For queries about this service, please contact Infrastructure at: users@infra.apache.org
6. kaxil edited a comment on issue #5519: URL: https://github.com/apache/airflow/pull/5519#issuecomment-617128959 @serkef Would you like to reopen and work on this PR? Airflow Master requires Python 3.6+ so this would be a good fit. ----- This is an automated message from the Apache Git Service. To respond to the message, please log on to GitHub and use the URL above to go to the specific comment. For queries about this service, please contact Infrastructure at: users@infra.apache.org
7. serkef opened a new pull request #5519: URL: https://github.com/apache/airflow/pull/5519 Make sure you have checked _all_ steps below. ### Jira - [x] My PR addresses the following [Airflow Jira](https://issues.apache.org/jira/browse/AIRFLOW/) issues and references them in the PR title. For example, "[AIRFLOW-XXX] My Airflow PR" - https://issues.apache.org/jira/browse/AIRFLOW-4543 ### Description - [x] Here are some details about my PR, including screenshots of any UI changes: * Support (exclusively) official slack library v2. * Retain existing functionality and interface * Slightly change structure (eg remove some properties) * Remove a redundant check that was made in both Hook and Operator ### Tests - [x] My PR adds the following unit tests __OR__ does not need testing for this extremely good reason: * tests.operators.test_slack_operator * tests.hooks.test_slack_hook.SlackHookTestCase ### Commits - [x] My commits all reference Jira issues in their subject lines, and I have squashed multiple commits if they address the same issue. In addition, my commits follow the guidelines from "[How to write a good git commit message](http://chris.beams.io/posts/git-commit/)": 1. Subject is separated from body by a blank line 1. Subject is limited to 50 characters (not including Jira issue reference) 1. Subject does not end with a period 1. Subject uses the imperative mood ("add", not "adding") 1. Body wraps at 72 characters 1. Body explains "what" and "why", not "how" ### Documentation - [x] In case of new functionality, my PR adds documentation that describes how to use it. - All the public functions and the classes in the PR contain docstrings that explain what it does - If you implement backwards incompatible changes, please leave a note in the [Updating.md] (https://github.com/apache/airflow/blob/master/UPDATING.md) so we can assign it to a appropriate release ### Code Quality - [x] Passes `flake8` ----- This is an automated message from the Apache Git Service. To respond to the message, please log on to GitHub and use the URL above to go to the specific comment. For queries about this service, please contact Infrastructure at: users@infra.apache.org
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9. serkef commented on a change in pull request #5519: URL: https://github.com/apache/airflow/pull/5519#discussion_r412384446 ##### File path: setup.py ##### @@ -256,7 +256,7 @@ def write_version(filename: str = os.path.join(*["airflow", "git_version"])): segment = ["analytics-python">=1.2.9] sendgrid = ["sendgrid">=5.2.0,<6] sentry = ["sentry-sdk">=0.8.0, "blinker">=1.1"] - slack = ["slackclient">=1.0.0,<2.0.0"] + slack = ["slackclient">=2.0.0,<3.0.0"] Review comment: v.2.5.0 is already out. Shall I restrict minimum version? ----- This is an automated message from the Apache Git Service. To respond to the message, please log on to GitHub and use the URL above to go to the specific comment. For queries about this service, please contact Infrastructure at: users@infra.apache.org
10. kaxil commented on issue #5519: URL: https://github.com/apache/airflow/pull/5519#issuecomment-617341114 > @kaxil can you help a bit? Why are the CI actions not running? Also I see conflicts on the files that I resolved when I rebased. I'm probably missing something... That is strange. Can you rebase on latest Master please, looks like there are some conflicts. Hopefully once you do that, GA should run ----- This is an automated message from the Apache Git Service. To respond to the message, please log on to GitHub and use the URL above to go to the specific comment. For queries about this service, please contact Infrastructure at: users@infra.apache.org
11. kaxil commented on a change in pull request #5519: URL: https://github.com/apache/airflow/pull/5519#discussion_r418718000 ##### File path: airflow/providers/slack/hooks/slack.py ##### @@ -27,29 +28,50 @@ # noinspection PyAbstractClass class SlackHook(BaseHook): """ + Creates a Slack connection, to be used for calls. Takes both Slack API token directly and connection that has Slack API token. - If both supplied, Slack API token will be used. + Exposes also the rest of slack.WebClient args. :param token: Slack API token + :type token: str :param slack_conn_id: connection that has Slack API token in the password field + :type slack_conn_id: str + :param use_session: A boolean specifying if the client should take advantage of + connection pooling. Default is True. + :type base_url: bool Review comment: `` suggestion :type use_session: bool `` ----- This is an automated message from the Apache Git Service. To respond to the message, please log on to GitHub and use the URL above to go to the specific comment. For queries about this service, please contact Infrastructure at: users@infra.apache.org
12. kaxil commented on a change in pull request #5519: URL: https://github.com/apache/airflow/pull/5519#discussion_r418718102 ##### File path: airflow/providers/slack/hooks/slack.py ##### @@ -27,29 +28,50 @@ # noinspection PyAbstractClass class SlackHook(BaseHook): """ + Creates a Slack connection, to be used for calls. Takes both Slack API token directly and connection that has Slack API token. - If both supplied, Slack API token will be used. + Exposes also the rest of slack.WebClient args. :param token: Slack API token + :type token: str :param slack_conn_id: connection that has Slack API token in the password field + :type slack_conn_id: str + :param use_session: A boolean specifying if the client should take advantage of + connection pooling. Default is True. + :type base_url: bool + :param base_url: A string representing the Slack API base URL. Default is + `https://www.slack.com/api/` Review comment: `` suggestion ``https://www.slack.com/api/`` ----- This is an automated message from the Apache Git

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13. kaxil commented on a change in pull request #5519: URL: https://github.com/apache/airflow/pull/5519#discussion_r418718905 #####
File path: airflow/providers/slack/hooks/slack.py ##### @@ -27,29 +28,50 @@ # noinspection PyAbstractClass class
SlackHook(BaseHook): """ + Creates a Slack connection, to be used for calls. Takes both Slack API token directly and connection that has
Slack API token. - If both supplied, Slack API token will be used. + Exposes also the rest of slack.WebClient args. :param token: Slack API
token + :type token: str :param slack_conn_id: connection that has Slack API token in the password field + :type slack_conn_id: str + :param
use_session: A boolean specifying if the client should take advantage of + connection pooling. Default is True. + :type base_url: bool +
:param base_url: A string representing the Slack API base URL. Default is + 'https://www.slack.com/api/' + :type base_url: str + :param
timeout: The maximum number of seconds the client will wait + to connect and receive a response from Slack. + Default is 30 seconds. +
:type timeout: int """ - def __init__(self, token: Optional[str] = None, slack_conn_id: Optional[str] = None) -> None: + + def __init__(+ self,
+ token: Optional[str] = None, + slack_conn_id: Optional[str] = None, + **client_args: Any, +) -> None: super().__init__() - self.token =
self.__get_token(token, slack_conn_id) + token = self.__get_token(token, slack_conn_id) + self.client = WebClient(token, **client_args)
Review comment: Let's not create a client in `__init__` ----- This is an automated message
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token + :type token: str :param slack_conn_id: connection that has Slack API token in the password field + :type slack_conn_id: str + :param
use_session: A boolean specifying if the client should take advantage of + connection pooling. Default is True. + :type base_url: bool +
:param base_url: A string representing the Slack API base URL. Default is + 'https://www.slack.com/api/' + :type base_url: str + :param
timeout: The maximum number of seconds the client will wait + to connect and receive a response from Slack. + Default is 30 seconds. +
:type timeout: int """ - def __init__(self, token: Optional[str] = None, slack_conn_id: Optional[str] = None) -> None: + + def __init__(+ self,
+ token: Optional[str] = None, + slack_conn_id: Optional[str] = None, + **client_args: Any, +) -> None: super().__init__() - self.token =
self.__get_token(token, slack_conn_id) + token = self.__get_token(token, slack_conn_id) + self.client = WebClient(token, **client_args)
Review comment: Done. I would assume it's more efficient to create the connection on init to possibly reuse. Do we have a common pattern
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token + :type token: str :param slack_conn_id: connection that has Slack API token in the password field + :type slack_conn_id: str + :param
use_session: A boolean specifying if the client should take advantage of + connection pooling. Default is True. + :type base_url: bool +
:param base_url: A string representing the Slack API base URL. Default is + 'https://www.slack.com/api/' + :type base_url: str + :param
timeout: The maximum number of seconds the client will wait + to connect and receive a response from Slack. + Default is 30 seconds. +
:type timeout: int """ - def __init__(self, token: Optional[str] = None, slack_conn_id: Optional[str] = None) -> None: + + def __init__(+ self,
+ token: Optional[str] = None, + slack_conn_id: Optional[str] = None, + **client_args: Any, +) -> None: super().__init__() - self.token =
self.__get_token(token, slack_conn_id) + token = self.__get_token(token, slack_conn_id) + self.client = WebClient(token, **client_args)
Review comment: I had a brain-fade moment actually 🤔. I thought the client creation was inside Operator's init method, so to avoid DB
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to go to the specific comment. For queries about this service, please contact Infrastructure at: users@infra.apache.org
16. kaxil commented on a change in pull request #5519: URL: https://github.com/apache/airflow/pull/5519#discussion_r418983365 #####
File path: airflow/providers/slack/hooks/slack.py ##### @@ -27,29 +28,50 @@ # noinspection PyAbstractClass class
SlackHook(BaseHook): """ + Creates a Slack connection, to be used for calls. Takes both Slack API token directly and connection that has
Slack API token. - If both supplied, Slack API token will be used. + Exposes also the rest of slack.WebClient args. :param token: Slack API
token + :type token: str :param slack_conn_id: connection that has Slack API token in the password field + :type slack_conn_id: str + :param
use_session: A boolean specifying if the client should take advantage of + connection pooling. Default is True. + :type base_url: bool +
:param base_url: A string representing the Slack API base URL. Default is + 'https://www.slack.com/api/' + :type base_url: str + :param
timeout: The maximum number of seconds the client will wait + to connect and receive a response from Slack. + Default is 30 seconds. +
:type timeout: int """ - def __init__(self, token: Optional[str] = None, slack_conn_id: Optional[str] = None) -> None: + + def __init__(+ self,
+ token: Optional[str] = None, + slack_conn_id: Optional[str] = None, + **client_args: Any, +) -> None: super().__init__() - self.token =
self.__get_token(token, slack_conn_id) + token = self.__get_token(token, slack_conn_id) + self.client = WebClient(token, **client_args)
Review comment: Happy to merge it now as it is. ----- This is an automated message from
the Apache Git Service. To respond to the message, please log on to GitHub and use the URL above to go to the specific comment. For
queries about this service, please contact Infrastructure at: users@infra.apache.org
17. kaxil commented on pull request #5519: URL: <https://github.com/apache/airflow/pull/5519#issuecomment-622989485> Unfortunately, our
tests didn't catch this too :(Can you fix the error please ----- This is an automated message
from the Apache Git Service. To respond to the message, please log on to GitHub and use the URL above to go to the specific comment. For
queries about this service, please contact Infrastructure at: users@infra.apache.org
18. kaxil commented on pull request #5519: URL: <https://github.com/apache/airflow/pull/5519#issuecomment-622989835> Check this out:
<https://github.com/slackapi/python-slackclient/wiki/Migrating-to-2.x> **Before 2.0**:
```python from slackclient import SlackClient client =  
SlackClient(os.environ["SLACK\_API\_TOKEN"]) client.api\_call('chat.postMessage', timeout=30, channel='C0123456', text='Hi!') ```  
\*\*After 2.0\*\*:  
```python import slack client = slack.WebClient(os.environ["SLACK\_API\_TOKEN"], timeout=30)  
client.api_call('chat.postMessage', json={ 'channel': 'C0123456', 'text': 'Hi!' }) # Note: That while the above is allowed, the more efficient way
to call that API is like this: client.chat_postMessage(channel='C0123456', text='Hi!') ``` -----
- This is an automated message from the Apache Git Service. To respond to the message, please log on to GitHub and use the URL above to
go to the specific comment. For queries about this service, please contact Infrastructure at: users@infra.apache.org
19. kaxil commented on a change in pull request #5519: URL: https://github.com/apache/airflow/pull/5519#discussion_r418987364 #####
File path: airflow/providers/slack/hooks/slack.py ##### @@ -27,40 +28,62 @@ # noinspection PyAbstractClass class
SlackHook(BaseHook): """ + Creates a Slack connection, to be used for calls. Takes both Slack API token directly and connection that has
Slack API token. - If both supplied, Slack API token will be used. + Exposes also the rest of slack.WebClient args. :param token: Slack API
token + :type token: str :param slack_conn_id: connection that has Slack API token in the password field + :type slack_conn_id: str + :param

- use_session: A boolean specifying if the client should take advantage of + connection pooling. Default is True. + :type use_session: bool +
:param base_url: A string representing the Slack API base URL. Default is + ``https://www.slack.com/api/`` + :type base_url: str + :param
timeout: The maximum number of seconds the client will wait + to connect and receive a response from Slack. Default is 30 seconds. + :type
timeout: int + def __init__(self, token: Optional[str] = None, slack_conn_id: Optional[str] = None) -> None: + + def __init__(+ self, +
token: Optional[str] = None, + slack_conn_id: Optional[str] = None, + **client_args: Any, +) -> None: super().__init__() self.token =
self.__get_token(token, slack_conn_id) + self.client_args = client_args def __get_token(self, token, slack_conn_id): if token is not None:
return token - elif slack_conn_id is not None: + + if slack_conn_id is not None: conn = self.get_connection(slack_conn_id) if not
getattr(conn, 'password', None): raise AirflowException('Missing token(password) in Slack connection') return conn.password - else: - raise
AirflowException('Cannot get token: ' - 'No valid Slack token nor slack_conn_id supplied.') + + raise AirflowException('Cannot get token: ' +
'No valid Slack token nor slack_conn_id supplied.') def call(self, method: str, api_params: dict) -> None: + - Calls the Slack client. +
Creates and calls the Slack client. :param method: method :param api_params: parameters of the API + - slack_client =
SlackClient(self.token) + slack_client = WebClient(self.token, **self.client_args) return_code = slack_client.api_call(method, **api_params)
Review comment: It worked for me after the following change: ``suggestion return_code = slack_client.api_call(method, json=api_params)
`` ----- This is an automated message from the Apache Git Service. To respond to the
message, please log on to GitHub and use the URL above to go to the specific comment. For queries about this service, please contact
Infrastructure at: users@infra.apache.org
20. kaxil commented on pull request #5519: URL: <https://github.com/apache/airflow/pull/5519#issuecomment-622995610> The following diff
should also check and fix the issue: ``diff diff --git a/airflow/providers/slack/hooks/slack.py b/airflow/providers/slack/hooks/slack.py index
3a0cd693c..d4d558e7a 100644 --- a/airflow/providers/slack/hooks/slack.py +++ b/airflow/providers/slack/hooks/slack.py @@ -80,7 +80,7
@@ class SlackHook(BaseHook): :param api_params: parameters of the API + slack_client = WebClient(self.token, **self.client_args) -
return_code = slack_client.api_call(method, **api_params) + return_code = slack_client.api_call(method, json=api_params) try:
return_code.validate() diff --git a/tests/providers/slack/hooks/test_slack.py b/tests/providers/slack/hooks/test_slack.py index
1594d8b1d..cfb5c79dc 100644 --- a/tests/providers/slack/hooks/test_slack.py +++ b/tests/providers/slack/hooks/test_slack.py @@ -160,3
+160,13 @@ @ class TestSlackHook(unittest.TestCase): except AirflowException as exc: self.assertIn("foo", str(exc)) self.assertIn("bar",
str(exc)) + + @mock.patch('airflow.providers.slack.hooks.slack.WebClient.api_call', autospec=True) +
@mock.patch('airflow.providers.slack.hooks.slack.WebClient') + def test_api_call(self, mock_slack_client, mock_slack_api_call): +
slack_hook = SlackHook(token='test_token') + test_api_params = {'channel': 'd'} + + slack_hook.call("chat.postMessage", test_api_params) +
mock_slack_api_call.assert_called_once_with(+ mock_slack_client, "chat.postMessage", json=test_api_params) `` -----
----- This is an automated message from the Apache Git Service. To respond to the message, please log on to GitHub
and use the URL above to go to the specific comment. For queries about this service, please contact Infrastructure at: users@infra.apache.org
21. kaxil edited a comment on pull request #5519: URL: <https://github.com/apache/airflow/pull/5519#issuecomment-622995610> The following
diff should also check and fix the issue: ``diff diff --git a/airflow/providers/slack/hooks/slack.py b/airflow/providers/slack/hooks/slack.py
index 3a0cd693c..d4d558e7a 100644 --- a/airflow/providers/slack/hooks/slack.py +++ b/airflow/providers/slack/hooks/slack.py @@ -80,7
+80,7 @@ @ class SlackHook(BaseHook): :param api_params: parameters of the API + slack_client = WebClient(self.token,
**self.client_args) - return_code = slack_client.api_call(method, **api_params) + return_code = slack_client.api_call(method,
json=api_params) try: return_code.validate() diff --git a/tests/providers/slack/hooks/test_slack.py b/tests/providers/slack/hooks/test_slack.py
index 1594d8b1d..cfb5c79dc 100644 --- a/tests/providers/slack/hooks/test_slack.py +++ b/tests/providers/slack/hooks/test_slack.py @@
-160,3 +160,13 @@ @ class TestSlackHook(unittest.TestCase): except AirflowException as exc: self.assertIn("foo", str(exc))
self.assertIn("bar", str(exc)) + + @mock.patch('airflow.providers.slack.hooks.slack.WebClient.api_call', autospec=True) +
@mock.patch('airflow.providers.slack.hooks.slack.WebClient') + def test_api_call(self, mock_slack_client, mock_slack_api_call): +
slack_hook = SlackHook(token='test_token') + test_api_params = {'channel': 'test_channel'} + + slack_hook.call("chat.postMessage",
test_api_params) + mock_slack_api_call.assert_called_once_with(+ mock_slack_client, "chat.postMessage", json=test_api_params) `` -----
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please log on to GitHub and use the URL above to go to the specific comment. For queries about this service, please contact Infrastructure at:
users@infra.apache.org
22. serkef commented on pull request #5519: URL: <https://github.com/apache/airflow/pull/5519#issuecomment-624219960> @kaxil thanks for
testing this. I made the required changes. > Have you tested that the `SlackAPIPostOperator` still works with attachments? Yes, I tested an
example DAG locally with the follow task: ``run_this = SlackAPIPostOperator(task_id="post_hello", dag=dag, token="xxx", text="Hello",
channel="#welcome", attachments=[{"pretext": "pre-hello", "text": "text-world"}],) `` And result ![image](https://user-
images.githubusercontent.com/3225779/81100218-7562a500-8f0c-11ea-8ad1-b57c319f3966.png) -----
----- This is an automated message from the Apache Git Service. To respond to the message, please log on to GitHub and use the URL
above to go to the specific comment. For queries about this service, please contact Infrastructure at: users@infra.apache.org
23. serkef commented on a change in pull request #5519: URL: https://github.com/apache/airflow/pull/5519#discussion_r420312499
File path: airflow/providers/slack/hooks/slack.py ##### @@ -27,29 +28,50 @@ # noinspection PyAbstractClass class
SlackHook(BaseHook): + - Creates a Slack connection, to be used for calls. Takes both Slack API token directly and connection that has
Slack API token. - If both supplied, Slack API token will be used. + Exposes also the rest of slack.WebClient args. :param token: Slack API
token + :type token: str :param slack_conn_id: connection that has Slack API token in the password field + :type slack_conn_id: str + :param
use_session: A boolean specifying if the client should take advantage of + connection pooling. Default is True. + :type use_session: bool +
:param base_url: A string representing the Slack API base URL. Default is + ``https://www.slack.com/api/`` + :type base_url: str + :param
timeout: The maximum number of seconds the client will wait + to connect and receive a response from Slack. + Default is 30 seconds. +
:type timeout: int + def __init__(self, token: Optional[str] = None, slack_conn_id: Optional[str] = None) -> None: + + def __init__(+ self,
+ token: Optional[str] = None, + slack_conn_id: Optional[str] = None, + **client_args: Any, +) -> None: super().__init__() - self.token =
self.__get_token(token, slack_conn_id) + token = self.__get_token(token, slack_conn_id) + self.client = WebClient(token, **client_args)
Review comment: I moved this back to init, to give the possibility to operators to use the client directly. -----
----- This is an automated message from the Apache Git Service. To respond to the message, please log on to GitHub and use the
URL above to go to the specific comment. For queries about this service, please contact Infrastructure at: users@infra.apache.org
24. kaxil commented on pull request #5519: URL: <https://github.com/apache/airflow/pull/5519#issuecomment-624234996> Docs build is failing:
https://github.com/apache/airflow/pull/5519/checks?check_run_id=647041208 ----- This is
an automated message from the Apache Git Service. To respond to the message, please log on to GitHub and use the URL above to go to the
specific comment. For queries about this service, please contact Infrastructure at: users@infra.apache.org
25. kaxil commented on a change in pull request #5519: URL: https://github.com/apache/airflow/pull/5519#discussion_r421153513 #####
File path: tests/providers/slack/hooks/test_slack.py ##### @@ -19,82 +19,154 @@ import unittest import mock + from slack.errors
import SlackApiError from airflow.exceptions import AirflowException from airflow.providers.slack.hooks.slack import SlackHook class
TestSlackHook(unittest.TestCase): - def test_init_with_token_only(self): + + def test__get_token_with_token_only(self): + + tests
`__get_token` method when only token is provided + + # Given test_token = 'test_token' - slack_hook = SlackHook(token=test_token,
slack_conn_id=None) + test_conn_id = None + + # Creating a dummy subclass is the easiest way to avoid running init + # which is actually
using the method we are testing + class DummySlackHook(SlackHook): + def __init__(self, *args, **kwargs): # pylint: disable=W0231 +


```

pass - self.assertEqual(slack_hook.token, test_token) + # Run + hook = DummySlackHook() + + # Assert + output =
hook._SlackHook__get_token(test_token, test_conn_id) # pylint: disable=E1101 + expected = test_token + self.assertEqual(output, expected)
@mock.patch('airflow.providers.slack.hooks.slack.SlackHook.get_connection') - def test_init_with_valid_slack_conn_id_only(self,
get_connection_mock): + def test__get_token_with_valid_slack_conn_id_only(self, get_connection_mock): + """ tests `__get_token`
method when only connection is provided """ + # Given + test_token = None + test_conn_id = 'x' test_password = 'test_password' + + #
Mock get_connection_mock.return_value = mock.Mock(password=test_password) - test_slack_conn_id = 'test_slack_conn_id' - slack_hook
= SlackHook(token=None, slack_conn_id=test_slack_conn_id) + # Creating a dummy subclass is the easiest way to avoid running init + #
which is actually using the method we are testing + class DummySlackHook(SlackHook): + def __init__(self, *args, **kwargs): # pylint:
disable=W0231 + pass Review comment: I mean creating SlackHook is fine isn't it ? As the WebClient does not call any external service by
itself until `WebClient.call` is run ----- This is an automated message from the Apache Git
Service. To respond to the message, please log on to GitHub and use the URL above to go to the specific comment. For queries about this
service, please contact Infrastructure at: users@infra.apache.org

```

```

pass - self.assertEqual(slack_hook.token, test_token) + # Run + hook = DummySlackHook() + + # Assert + output =
hook._SlackHook__get_token(test_token, test_conn_id) # pylint: disable=E1101 + expected = test_token + self.assertEqual(output, expected)
@mock.patch('airflow.providers.slack.hooks.slack.SlackHook.get_connection') - def test_init_with_valid_slack_conn_id_only(self,
get_connection_mock): + def test__get_token_with_valid_slack_conn_id_only(self, get_connection_mock): + """ tests `__get_token`
method when only connection is provided """ + # Given + test_token = None + test_conn_id = 'x' test_password = 'test_password' + + #
Mock get_connection_mock.return_value = mock.Mock(password=test_password) - test_slack_conn_id = 'test_slack_conn_id' - slack_hook
= SlackHook(token=None, slack_conn_id=test_slack_conn_id) + # Creating a dummy subclass is the easiest way to avoid running init + #
which is actually using the method we are testing + class DummySlackHook(SlackHook): + def __init__(self, *args, **kwargs): # pylint:
disable=W0231 + pass Review comment: Pushed a commit to PR:

```

<https://github.com/apache/airflow/pull/5519/commits/d81d6e947ba364b0dd9e730507e51ff2a0d3d3e2> -----
 ----- This is an automated message from the Apache Git Service. To respond to the message, please log on to GitHub and use the
 URL above to go to the specific comment. For queries about this service, please contact Infrastructure at: users@infra.apache.org

30. Commit 578fc514cd325b7d190bdcfb749a384d101238fa in airflow's branch refs/heads/master from Sergio Kefalas [
<https://gitbox.apache.org/repos/asf?p=airflow.git;h=578fc51>] [AIRFLOW-4543] Update slack operator to support slackclient v2 (#5519) Co-
 authored-by: Kaxil Naik <kaxilnaik@gmail.com> Co-authored-by: Kaxil Naik <8811558+kaxil@users.noreply.github.com>