

git_comments:

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git_commits:

1. **summary:** Add FernetEnabledRule for upgrade check command (#11116)
message: Add FernetEnabledRule for upgrade check command (#11116) (cherry picked from commit 815bc29cf57753fdce9e8f9881966616e12f7272)

github_issues:

1. **title:** Create FernetEnabledRule to ease upgrade to Airflow 2.0
body: This issue is part of #8765 ## Rule Create `FernetEnabledRule` which corresponds to > Fernet is enabled by default entry in UPDATING.md. This rule should allow users to check if their current configuration needs any adjusting before migration to Airflow 2.0. ## How to guide To implement a new rule, create a class that inherits from `airflow.upgrade.rules.base_rule.BaseRule`. It will be auto-registered and used by `airflow upgrade-check` command. The custom rule class has to have `title`, `description` properties and should implement `check` method which returns a list of error messages in case of incompatibility. For example: https://github.com/apache/airflow/blob/ea36166961ca35fc51ddc262ec245590c3e236fb/airflow/upgrade/rules/conn_type_is_not_nullable.py#L25-L42 **Remember** to open the PR against `v1-10-test` branch.
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github_issues_comments:

1. Can pick this up :)
2. @Sangarshanan I assigned you 🍌
3. Heya :) just wanted to confirm what needs to be done Check if cryptography is not importable or if fernetkey is empty Return a message saying that fernet will be enabled by default when upgrading and an empty key has to be explicitly set in the `fernet_key` option of section `[core]` in the `airflow.cfg` file to retain the current behaviour Or am I going about this the wrong way?
4. > Return a message saying that fernet will be enabled by default when upgrading and > an empty key has to be explicitly set in the `fernet_key` option of > section `[core]` in the `airflow.cfg` file to retain the current behaviour as per <https://github.com/apache/airflow/blob/master/UPDATING.md#fernet-is-enabled-by-default> So we should check if `fernet_key` key in config is empty. If yes we should inform users than when migrating they will have to change it explicitly to empty. If someone has something in this field - they are all good. Also we should inform about this requirement: > At the same time, this means that the apache-airflow[crypto] extra-packages are always installed. However, this requires that your operating system has libffi-dev installed.
5. Closed via #11116

github_pulls:

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github_pulls_comments:

1. **body:** Blackened the files, hope the strings are cleaner now
label: code-design

github_pulls_reviews:

1. Can you add test where the fernet key is not empty? Then there should be no message 🍏
2. Will do
3. **body:** ```suggestion fernet_key in airflow.cfg must be explicitly set empty as fernet mechanism is enabled by default ``` Just to avoid any confusion
label: code-design
4. Let's avoid the leading `n`
5. **body:** Same here we should avoid leading `n` and the indentation otherwise looks strange: ``` Problems: 1. fernet_key must be explicitly set empty as fernet mechanism is enabled by default this means that the apache-airflow[crypto] extra-packages are always installed. However, this requires that your operating system has libffi-dev installed. ``` Using normal string would be enough
label: code-design
6. Of course
7. Yep
8. **body:** ```suggestion return "fernet_key in airflow.cfg must be explicitly set empty as fernet mechanism" \ " is enabled by default this means that the apache-airflow[crypto] extra-packages" \ " are always installed. However, this requires that your operating system has libffi-dev installed." ``` This should make the message one liner (it's important for json formatter). Currently it looks a bit unhealthy 😊 ![Uploading Screenshot 2020-09-24 at 17.38.28.png...]()
label: code-design
9. ```suggestion description = "The fernet mechanism is enabled by default " \ "to increase the security of the default installation." ```
10. I personally just run black over the new rules 😊
11. Oh I assumed that was only for the description, will make this one line too and blacken the code :)
12. Black did this 😊

jira_issues:

jira_issues_comments: