

제플린 오픈 오피스 커밋 파티

@NFLabs

Zeppelin의 고향

NFLabs 에 오신 것을

환영합니다!

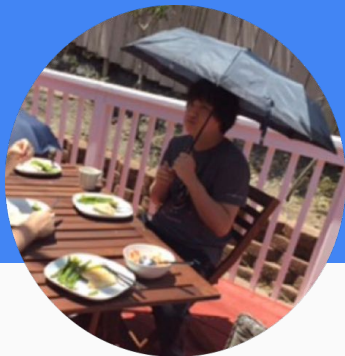
A close-up photograph of a person's hands working on a circuit board. The person is using a soldering iron to solder components. The background is blurred, showing some electronic components and a workbench.

INDEX

1. 소개
2. 제플린은 무엇을 제공할까요?
3. 한눈에 보는 제플린 구조
4. 커미터와 함께하는 제플린 스프린트!

The Apache Zeppelin Team from NFLabs

"Don't be timid. We're here to help you."



Moon

감기걸렸는데 오늘
술마시려고 약
안먹었다는걸 강조하는
Boss

(* 오늘 술 제조 담당)



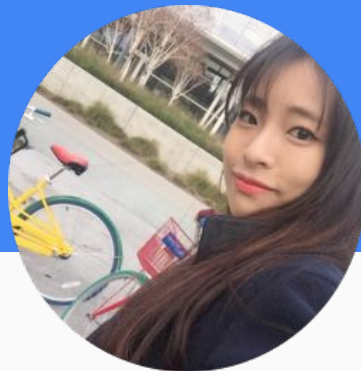
Anthony

제플린이라는 이름을 처음
떠올려낸 내장탕, 순대,
파전, 족발 못먹는 음식이
없는 프랑스친구 안쏘니



Mina

얼마전 0.6.2 버전 진행한
제플린의 릴리즈를
맡고있는 릴리즈 매니저



Ahyoung

이 줄에 꺼도 되나
싶은 제플린 신생
커미터

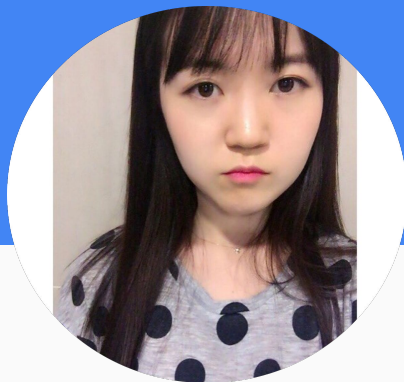
The Apache Zeppelin Team from NFLabs

"Don't be timid. We're here to help you."



Khalid Huseynov

Zeppelin 의 notebook
storage를 째 잡고 있는
아제르바이잔에서 온
카이스트 출신 칼리드!

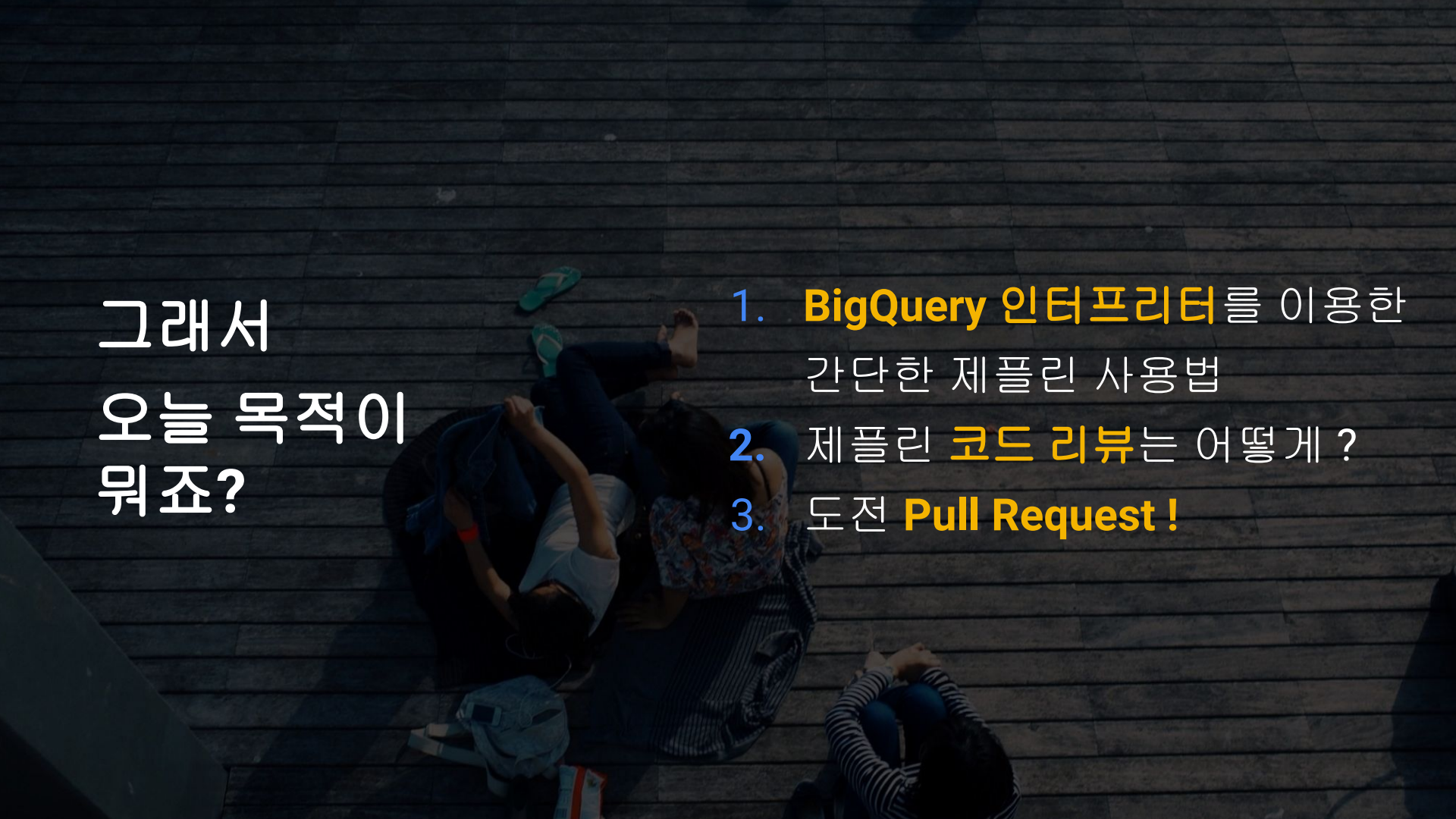


Sora

CDN 업무하다가 이제 막
제플린 커뮤니티에
합류했지만 알고보면
NFLabs 여자 개발자 중
왕고

그래서
오늘 목적이
뭐죠?





그래서
오늘 목적이
뭐죠?

1. **BigQuery** 인터프리터를 이용한
간단한 제플린 사용법
2. 제플린 **코드 리뷰**는 어떻게 ?
3. 도전 **Pull Request !**

술이 빠지면
재미없을
거예요



시작 해볼까요?



1. 간단한 제플린 사용법 with BigQuery

간단한 제플린 사용법 with BigQuery

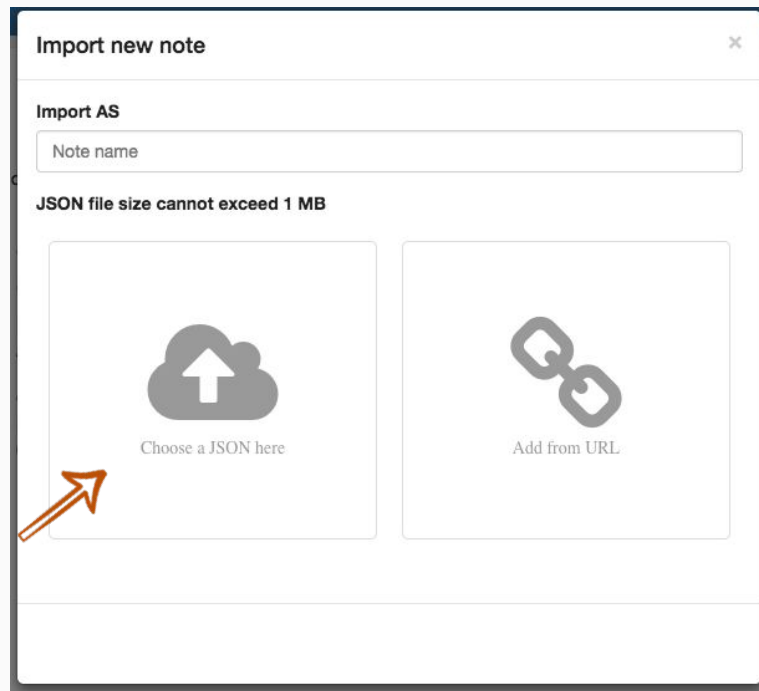
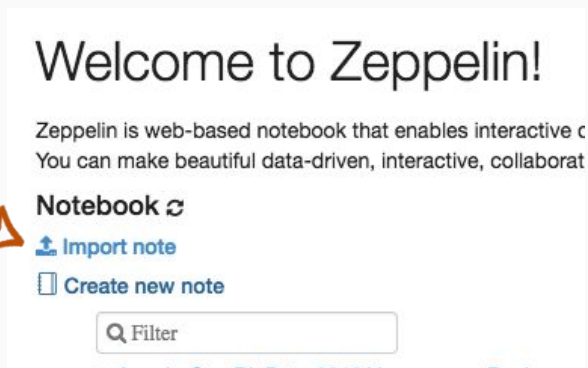
다들 <http://localhost:8080> 에 제플린을 띄울수 있나요?

아직 안된다면, 옆에 **NFLabs** 분들께 도움을 요청하세요!

된다면, 여기를 참고해주세요

<https://www.zeppelinhub.com/viewer/notebooks/bm90ZTovL2FudGhvbmljb3JiYWNOby90ZXN0LWNvbm5lY3Rpb24vYzNjNTE1MmYxOWE2NGQ2YWExN2MzYWlyNTBkMTkzZGQvbm90ZS5qc29u>

간단한 제플린 사용법 with BigQuery



DEMO

여기서 퀴즈!

상품이 걸려있답니다.

여기서 퀴즈!


상품이 걸려있답니다.


40세 이하(age)인 사람들 중에서
채무 불이행률(default)이 가장 높은
직업군(job)은 어떻게 될까요?


2. Zeppelin PR 리뷰해보기


Zeppelin PR 리뷰해보기


오늘 리뷰해볼 PR은 <https://github.com/apache/zeppelin/pull/1534>


 **apache / zeppelin**
mirrored from [git://git.apache.org/incubator-zeppelin.git](https://git.apache.org/incubator-zeppelin.git)


 Unwatch ▾ 266


 Star 2,071


 Fork 1,000

 Code


 Pull requests 119


 Projects 0


 Pulse


 Graphs


[WIP]ZEPPELIN-1345 - Create a custom matplotlib backend that natively supports inline plotting in a python interpreter cell #1534


 Open agoodm wants to merge 3 commits into `apache:master` from `agoodm:ZEPPELIN-1345`

 Conversation 0

 Commits 3

 Files changed 8

+492 -5 



agoodm commented 2 days ago • edited

What is this PR for?

This PR is the first of two major steps needed to improve matplotlib integration in Zeppelin (ZEPPELIN-1344). The latter, which is a plotting backend with fully interactive tools enabled, will be done afterwards in a separate PR. This PR specifically for automatically displaying output from calls to matplotlib plotting functions inline with each paragraph. Thanks to the addition of post-execute hooks (ZEPPELIN-1423), there is no need to call any `show()` function to display an inline plot, just like in Jupyter.

Projects
None yet

Labels
None yet

Milestone
No milestone

Quiz 2. Zeppelin PR 리뷰해보기

\$./dev/test_zeppelin_pr.py PR번호

예) \$./dev/test_zeppelin_pr.py 1534

<https://github.com/apache/zeppelin/pull/1534> 의 **How should this be tested?** 에 쓰여진 코드들이 잘 돌아가는 지 테스트 해 본 뒤 코멘트 남기기! 잘 되면 잘 된다고, 에러가 난다면 뭐가 잘 안 되는지 댓글을 달아 주세요.

빌드 시간 줄이기 TIP:

\$ mvn clean package -DskipTests -pl '!빌드하고 싶지 않은 모듈 이름'

예) mvn clean package -DskipTests -pl '!cassandra,!pig,!file'

3. Zeppelin 코드 컨트리뷰션

커미터와 함께하는
제플린 스프린트

1. Jira에 이슈 만들기

2. 이슈 해결

3. Pull Request 만들기

Jira 이슈 만들기



<https://issues.apache.org/jira/browse/ZEPPELIN>

Jira 이슈 만들기

APACHE SOFTWARE FOUNDATION
FPG-OWWW-888888-000

Dashboards ▾ Projects ▾ Issues ▾ Service Desk ▾ **Alert ▾** **Create ▾**

Search

Zeppelin
Key: ZEPPELIN · Lead: Lee moon soo · Category: Zeppelin · URL: <http://zeppelin.apache.org>

Summary

Issues

Road Map

Change Log

Reports

Versions

Components

Source

Reviews

Summary

Welcome to your project

Everything you need to know about how your project is running is tracked on this page. As your project evolves, the information will be updated. Use the tabs on the left to navigate within your project.

Versions: Unreleased

Name	Release date
0.6.2	26/Aug/16
0.7.0	

Issues: 30 Day Summary

Activity Stream

Today

ASF GitHub Bot commented on ZEPPELIN-1371 - Add flexible text/numeric conversion dropdown menu on table display

GitHub user comeadoug commented on the issue:
<https://github.com/apache/zeppelin/pull/1500>
@Peilin-Yang
Have to fix a test, need to change the expected result in that test from "1,787" to "1787"
...
Failed tests:
[Read more »](#)

7 minutes ago [Comment](#) [Watch](#)

ASF GitHub Bot updated a link from ZEPPELIN-1371 - Add flexible text/numeric conversion dropdown menu on table display to GitHub Pull Request #1500 (Web Link)

7 minutes ago [Comment](#) [Vote](#) [Watch](#)

Xi Shen commented on ZEPPELIN-744 - Zeppelin crashed due to org.apache.thrift.transport.TTransportException


I have similar setting. I have two docker container, one runs Hadoop 2.7.3 in pseudo cluster mode, the other runs Zeppelin 0.6.1. I configured my Zeppelin to use Spark in yarn mode, and set deploy-mode=client. I got the same org.apache.thrift.transport.TTransportException
[Read more »](#)

1 hour ago [Comment](#) [Watch](#)

Jira 이슈 만들기

Create Issue

Project*

 Zeppelin

Issue Type*

Bug

+ New Feature

Improvement

✓ Test

Wish

Task

Atlassian JIRA Project management Software (v8.3.4#0302-sha1:51bc225) · About JIRA · Report a problem

Powered by a free Atlassian JIRA open source license for Apache Software Foundation. Try JIRA - bug tracking software for *your* team.



Jira 이슈 만들기

Create Issue

Project **Zeppelin**

Issue Type ☒ **Bug**

Summary*

Priority **Major**

Due Date

Component/s

Start typing to get a list of possible matches or press down to select.

Affects Version/s

Start typing to get a list of possible matches or press down to select.

Fix Version/s

Start typing to get a list of possible matches or press down to select.

Assignee*

Automatic

[Assign to me](#)

Environment

?

For example operating system, software platform and/or hardware specifications (include as appropriate for the issue).

Description

?

Jira 이슈 만들기

Original Estimate

(eg. 3w 4d 12h) ⓘ

An estimate of how much work remains until this issue will be resolved.
The format of this is " *w *d *h *m " (representing weeks, days, hours and minutes - where * can be any number)
Examples: 4d, 5h 30m, 60m and 3w.

Flags

☐ Patch

☐ Important

Labels

Begin typing to find and create labels or press down to select a suggested label.

External issue URL

External issue URL

External issue ID

External issue ID

Epic Link

Choose an epic to assign this issue to.

Sprint

JIRA Agile sprint field

Create

Cancel

1. 이슈 번호로 브랜치 만들기

\$ git checkout -b ZEPPELIN-NUMBER

Zeppelin / **ZEPPELIN-1539** ←

df.show and other calls to dataframes fails after adding new column to DF

Edit Comment Assign More Resolve Issue Close Issue Export

Details

Type:	Bug	Status:	OPEN
Priority:	Major	Resolution:	Unresolved
Affects Version/s:	0.6.2	Fix Version/s:	None
Component/s:	Core		
Labels:	None		

Description

Tested with spark 2.0 build.

Once you add a new column to existing dataframe using withColumn() function everything start failing with following error.

Caused by: java.lang.NoSuchFieldException: MODULES
at java.lang.Class.getField(Class.java:1703)
at scala.Enumeration.readResolve(Enumeration.scala:61)
at scala.Enumeration\$Val.readResolve(Enumeration.scala:227)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at java.io.ObjectStreamClass.invokeReadResolve(ObjectStreamClass.java:1148)
... 333 more

People

Assignee: Unassigned
[Assign to me](#)

Reporter: nirav patel

Votes: 0 [Vote for this issue](#)

Watchers: 2 [Start watching this issue](#)

Dates

Created: 6 hours ago
Updated: 6 hours ago

Agile

[View on Board](#)

2. 이슈 해결 후

- a. `$ git status` 로 상태 확인
- b. `$ git add / $ git commit -m “~~”`
- c. `$ git push origin -f ZEPPELIN-NUMBER`

Pull Request 만들기

3. 제플린 공식 git repository에서 Pull Request 만들기

The screenshot shows the GitHub repository page for Apache Zeppelin. At the top, it says 'apache / zeppelin' and 'mirrored from git://git.apache.org/incubator-zeppelin.git'. There are buttons for 'Unwatch', 'Unstar', 'Fork', and 'Watch', along with counts for stars (2,033) and forks (1,015). Below this, there are tabs for 'Code', 'Pull requests' (113), 'Projects' (0), 'Pulse', and 'Graphs'. The main section is titled 'Mirror of Apache Zeppelin' and shows statistics: 2,681 commits, 6 branches, 7 releases, and 153 contributors. A horizontal bar represents the commit history. Below this, it says 'Your recently pushed branches:' and lists a branch 'AhyoungRyu:ZEPPELIN-1539' pushed '5 minutes ago'. An orange arrow points to this branch name. To the right of the branch list, there is a green button labeled 'Compare & pull request', which is circled in orange. Below the branch list, there are buttons for 'Branch: master', 'New pull request', 'Create new file', 'Upload files', 'Find file', and 'Clone or download'. At the bottom, there is a commit history section showing a commit by 'minahlee' with the message '[BUILD][MINOR] Change build profile for distributing artifact to mave...' and a commit by '[ZEPPELIN-1414] Remove CONTRIBUTING.md files'.

apache / zeppelin
mirrored from [git://git.apache.org/incubator-zeppelin.git](https://git.apache.org/incubator-zeppelin.git)

Unwatch 261 Unstar 2,033 Fork 1,015

Code Pull requests 113 Projects 0 Pulse Graphs

Mirror of Apache Zeppelin

2,681 commits 6 branches 7 releases 153 contributors

Your recently pushed branches:

AhyoungRyu:ZEPPELIN-1539 (5 minutes ago) Compare & pull request

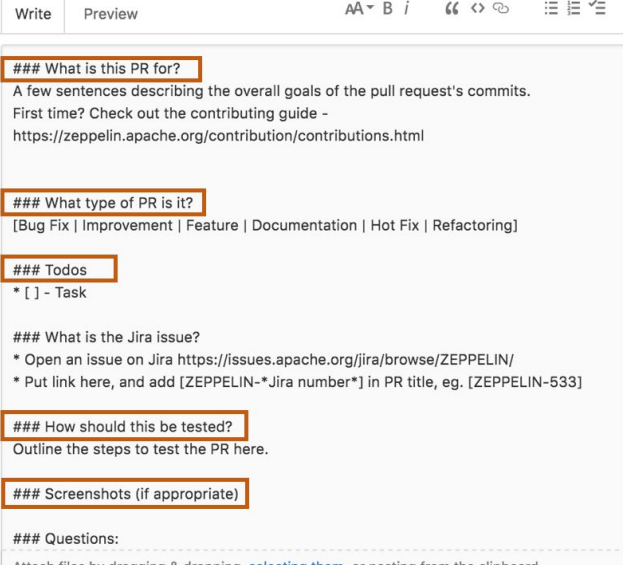
Branch: master New pull request Create new file Upload files Find file Clone or download

minahlee [BUILD][MINOR] Change build profile for distributing artifact to mave... Latest commit 22bd851 3 days ago

.github [ZEPPELIN-1414] Remove CONTRIBUTING.md files a month ago

Open a pull request

base fork: apache/zeppelin ▼ base: master ▼ ... head fork: AhyoungRyu/zeppelin ▼ compare: ZEPPELIN-1539 ▼ ✓ Able to merge.



The screenshot shows the Zeppelin web interface. At the top, the URL `https://zeppelin.apache.org/contribution/contributions.html` is highlighted. Below the URL bar, there are tabs for "Write" and "Preview". The main content area contains a pull request template with the following sections:

- ### What is this PR for?**
A few sentences describing the overall goals of the pull request's commits.
First time? Check out the contributing guide - <https://zeppelin.apache.org/contribution/contributions.html>
- ### What type of PR is it?**
[Bug Fix | Improvement | Feature | Documentation | Hot Fix | Refactoring]
- ### Todos**
* [] - Task
- ### What is the Jira issue?**
* Open an issue on Jira <https://issues.apache.org/jira/browse/ZEPPELIN/>
* Put link here, and add [ZEPPELIN-*Jira number*] in PR title, eg. [ZEPPELIN-533]
- ### How should this be tested?**
Outline the steps to test the PR here.
- ### Screenshots (if appropriate)**
- ### Questions:**
Attach files by dragging & dropping, [selecting them](#), or pasting from the clipboard.

At the bottom left, there is a checkbox labeled "Allow edits from maintainers." with a link to "Learn more". At the bottom right, there is a green button labeled "Create pull request".

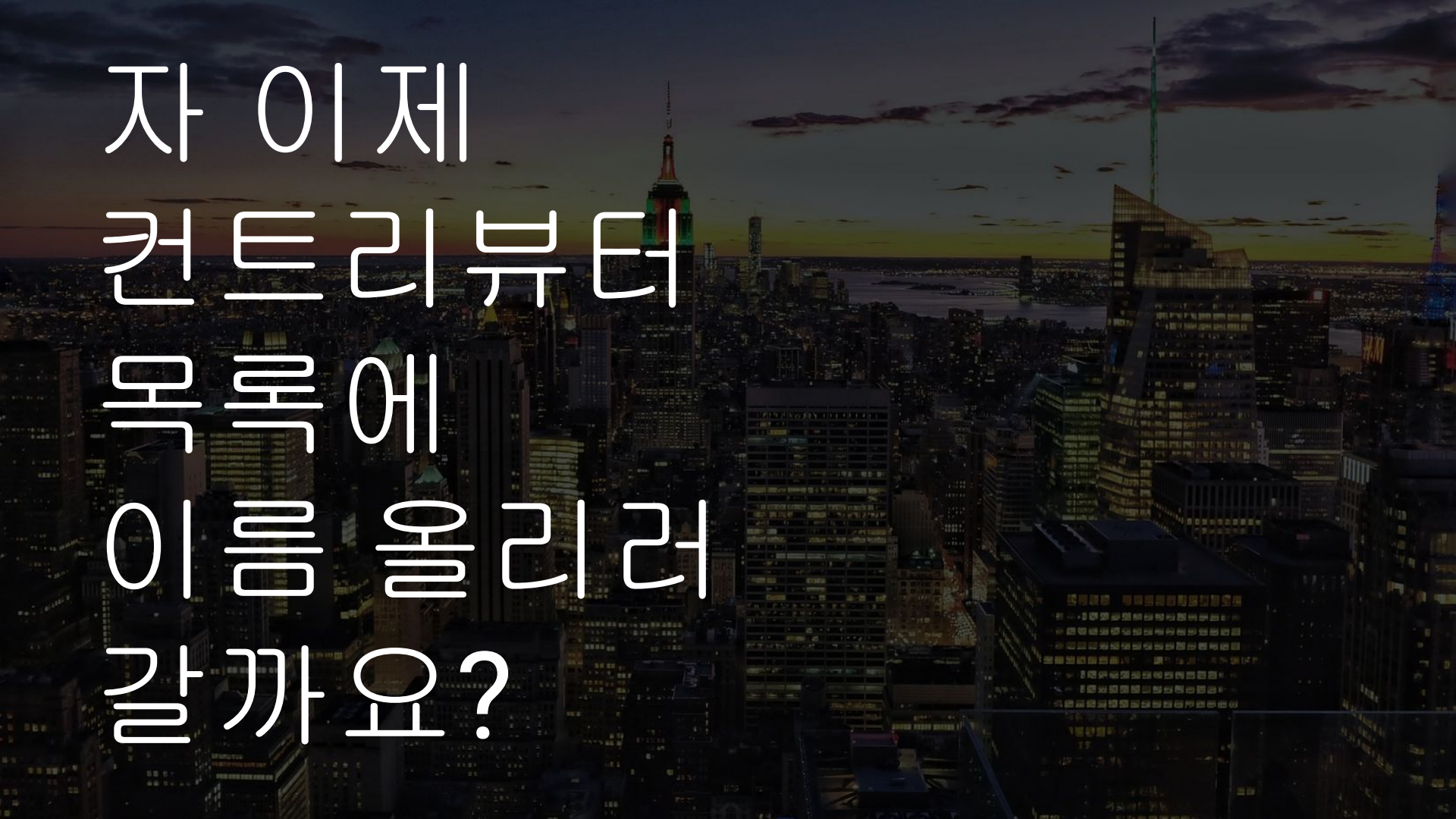
An aerial photograph of the New York City skyline at dusk. The sky is a mix of dark blue and orange, with scattered clouds. The city is densely packed with skyscrapers, many of which are illuminated with their lights. The Empire State Building is prominent in the center, with its top lit in red and green. The Hudson River is visible on the right side of the image. Overlaid on the center of the image is the Korean text '질문 있나요?' in a large, white, sans-serif font.

질문 있나요?

An aerial photograph of the New York City skyline at dusk. The sky is a mix of dark blue and orange, with scattered clouds. The city is densely packed with skyscrapers, many of which are illuminated with their lights. The Empire State Building is prominent in the center, with its top lit in red and green. The Hudson River is visible on the right side of the image. The text "Quiz Time!" is overlaid in a large, white, sans-serif font on the left side of the image.

Quiz Time!

자 이제
컨트리뷰터
목록에
이름 올리러
갈까요?




Quiz 3. 문서 오타 수정

아래 링크에 오타들이 숨어있습니다. 이 중 4개의 오타를 빨리 찾아 수정한 뒤 본인의 **git repository**에 **push** 해보세요!

1. <http://zeppelin.apache.org/docs/0.7.0-SNAPSHOT/install/install.html#next-steps>
2. <http://zeppelin.apache.org/docs/0.7.0-SNAPSHOT/manual/notebookashomepage.html#show-notebooks-list-in-your-custom-homepage>
3. http://zeppelin.apache.org/docs/0.7.0-SNAPSHOT/install/virtual_machine.html#building-zeppelin
4. <http://zeppelin.apache.org/docs/0.7.0-SNAPSHOT/manual/interpreters.html#connecting-to-the-existing-remote-interpreter>
5. <http://zeppelin.apache.org/docs/0.7.0-SNAPSHOT/manual/interpreterinstallation.html#install-spark-interpreter-built-with-scala-210>
6. http://zeppelin.apache.org/docs/0.7.0-SNAPSHOT/security/notebook_authorization.html#authorization-setting
7. <http://zeppelin.apache.org/docs/0.7.0-SNAPSHOT/development/howtocontributewebsite.html#alternative-way>

Quiz 4. Interpreter Properties 알파벳순으로 정렬하기

 Notebook - Job

Create new interpreter

Interpreter Name

Interpreter group

Option
 Interpreter for note
☐ Connect to existing process
☐ Set permission

Properties

name	value	description
default.password	<input type="text"/>	
zeppelin.jdbc.auth.type	<input type="text"/>	
common.max_count	<input type="text" value="1000"/>	
zeppelin.jdbc.principal	<input type="text"/>	
default.user	<input type="text" value="gpadmin"/>	
default.url	<input type="text" value="jdbc:postgresql://localhost:5432/"/>	
default.driver	<input type="text" value="org.postgresql.Driver"/>	
zeppelin.jdbc.keytab.location	<input type="text"/>	
zeppelin.jdbc.concurrent.use	<input type="text" value="true"/>	
zeppelin.jdbc.concurrent.max_connection	<input type="text" value="10"/>	

mvn 빌드 없이 인메모리 빌드로

web 변경 확인하는 방법 :

```
$ cd zeppelin-web
```

```
$ ./grunt serve
```

Quiz 5. Interpreter.json 에서 “status” 항목 삭제하기

```
"2BXXRUZX9": {
  "id": "2BXXRUZX9",
  "name": "bigquery",
  "group": "bigquery",
  "properties": {
    "zeppelin.bigquery.max_no_of_rows": "100000",
    "zeppelin.bigquery.project_id": "zeppelin-bigquery",
    "zeppelin.bigquery.wait_time": "5000",
    "zeppelin.interpreter.localRepo": "/Users/ahyoungryu/Dev/zeppelin/local-repo/2BXXRUZX9"
  },
  "status": "READY",
  "interpreterGroup": [
    {
      "name": "sql",
      "class": "org.apache.zeppelin.bigquery.BigQueryInterpreter",
      "defaultInterpreter": false,
      "editor": {
        "language": "sql"
      }
    }
  ],
  "dependencies": [],
  "option": {
    "remote": true,
    "port": -1,
    "perNoteSession": false,
    "perNoteProcess": false,
    "isExistingProcess": false,
    "setPermission": false,
    "users": []
  }
},
```

각 인터프리터의 속성들이
저장되어있는 **interpreter.json**
파일의 모습입니다.

현재 **dependency loading** 의
정상 작동 여부를 검사하는
status값이 함께
저장되는데요, 이 값은 이
파일에 굳이 저장되지 않아도
됩니다.

“**Status**” 가 json파일에
저장되지 않도록 바꿔볼까요?