

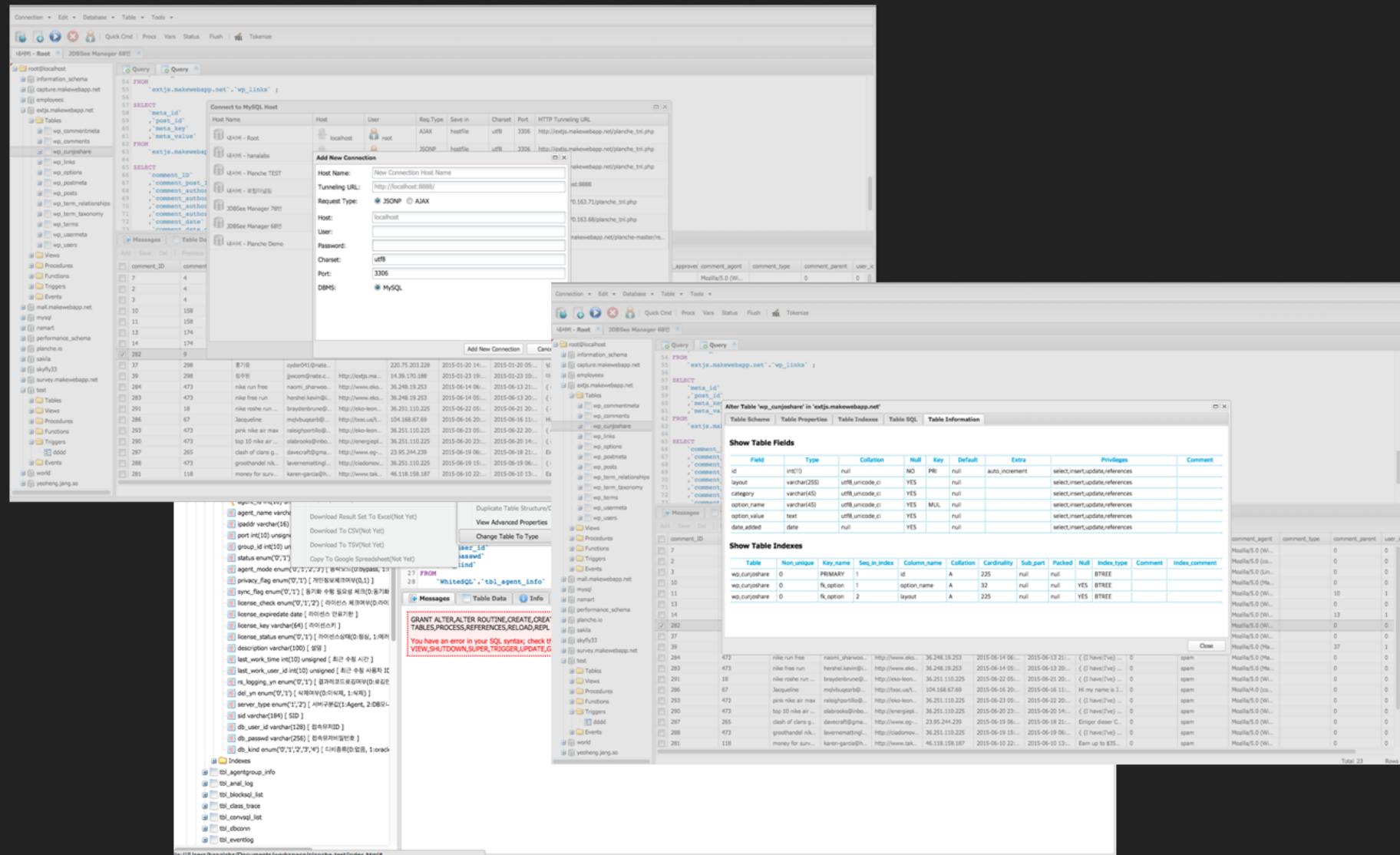
# PLANCHE



**자바스크립트 기반의 MYSQL GUI CLIENT TOOL**

Created by Jeong Juwon / [@jungjuwon](https://github.com/jungjuwon)

# 자바스크립트 기반의 MySQL GUI CLIENT TOOL



# 프로젝트 시작

관리자 DB연결 정보 배포 - 협업 툴 혹은 문서



# 귀찮으면

내가 직접 해줄께

걍 .. 내가 입력 해줄께

문서로 좀 해  
달라니까요

귀차니즘



# 팀원들은

개발 도구 셋팅 - 호스트 정보



툴 설치!!!

호스트 정보 추가!!

# DB연결 정보가 추가, 변경되는 경우

문서 업데이트 -> 배포



# 혹시 포맷 되면

재설치, 연결 정보 재설정



도대체가..  
불편해! 불편해!

# 그러나 또 남아 있다

많은 툴들이 모든 OS를 지원하지 않는다는 사실



# 윈도우가 아니면 자신의 툴을 쓰기 위해

가상화 - Parallels, Vmware, VirtualBox 사용



# 어떤 OS라도

Linux Win Mac



# 웹을 통한 구현

브라우저에서 동작



# PLANCHE

The image displays four overlapping windows of the JDBSee Manager application, illustrating its features for database management and monitoring.

**Top Left Window:** Shows the "User Manager" interface with a "Show process list" button. It also displays a table schema for the "tbl\_log" table in the "WhiteSQL" database, which includes columns like log\_id, sqllog\_id, agent\_id, agent\_mode, request\_time, and dbconn\_url.

**Top Right Window:** Shows a "Run/Execute Query" window with a query editor containing a SELECT statement for the "tbl\_log" table. The results show several rows of log data.

**Middle Left Window:** Shows the "Copy table(s) to other database" dialog. It lists the "tbl\_log" table from the "WhiteSQL" database and shows destination databases like "capture.makewebapp.net" and "mysql". A preview of the copied data is shown below.

**Middle Right Window:** Shows a "Privileges" dialog with checkboxes for various SQL statements. Below it is a table showing database connections and their status.

**Bottom Left Window:** Shows a "Query" window with a table of log entries. The table has columns such as id, log\_id, sqllog\_id, agent\_id, agent\_mode, request\_time, and dbconn\_url. The data shows multiple log entries with varying values for each column.

**Bottom Right Window:** Shows a "Logs" window displaying a large blue and orange line chart overlaid on a map of the world. The chart represents data over time, likely corresponding to the log entries in the bottom-left window.

# 하지만 여기서 잠깐

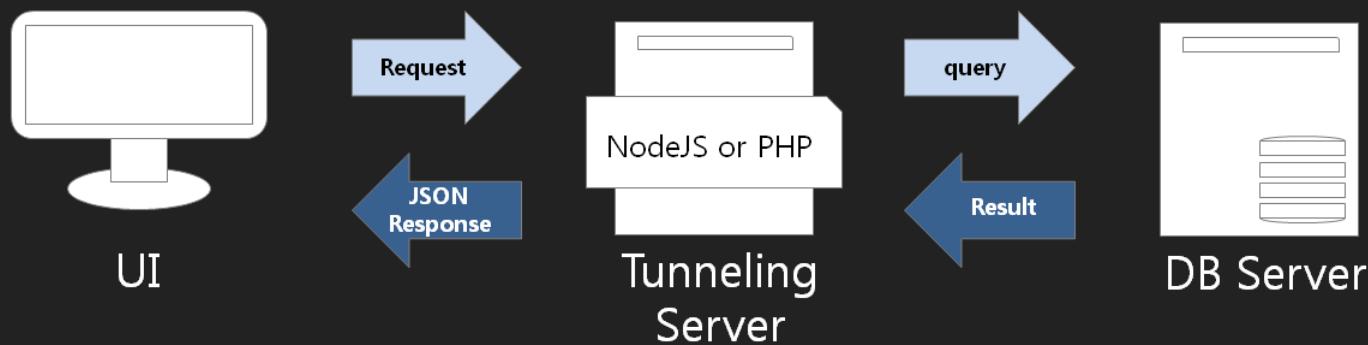
플란체는 그냥 MySQL Client가 아닙니다

# PLANCHE

Open Source(GPL v3)

Desktop Application과 같은 사용자 경험 제공

# HTTP TUNNELING



# 웹서버(X) - 내장 터널링 서버 실행

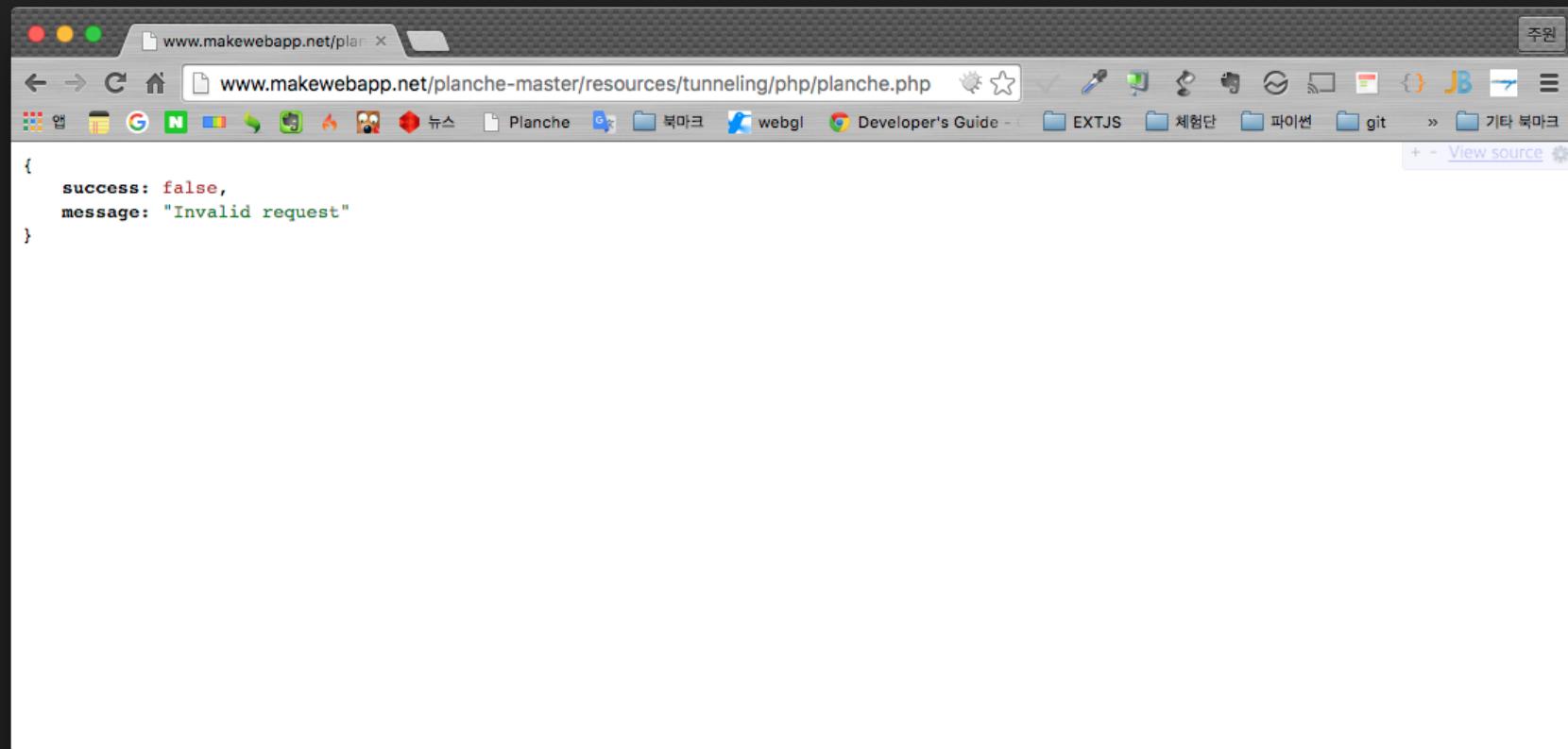
./planche.php 192.168.0.202 9090

터널링 URL : <http://192.168.0.202:9090>

```
1. php
planche:planche-test hanalabs$ ./planche php 192.168.0.202 9090
-----
Start Planche Tunneling Server
Mapping http://192.168.0.202:9090/ to ....
-----
HTTP tunneling server is ready at : http://192.168.0.202:9090
-----
Waiting query requests..
```

# 웹서버에서 페이지로 호출

http://도메인/planche.php



# 커넥션 윈도우

연결 정보마다 터널링 URL입력

Connect to MySQL Host							HTTP Tunneling URL
Host Name	Host	User	Req.Type	Save in	Charset	Port	
Allocation - PeopleCar	211.111.1...	peoplecar	AJAX	hostfile	utf8	3306	http://localhost:8888
My Server - Root	localhost	root	AJAX	hostfile	utf8	3306	http://extjs.makewebapp.net/planche_tnl.php
My Server - hanalabs	localhost	hanalabs	JSONP	hostfile	utf8	3306	http://extjs.makewebapp.net/planche_tnl.php
My Server - 로컬터널링	extjs.mak...	planche	JSONP	hostfile	utf8	3306	http://localhost:8888
My Server - Planche.io	128.199.8...	planche	JSONP	hostfile	utf8	3306	http://localhost:8888
My Server - Planche Demo	localhost	planche_...	JSONP	hostfile	utf8	3306	http://www.makewebapp.net/planche-master/r...
JDBSee Manager 68번	localhost	root	JSONP	hostfile	utf8	3306	http://211.170.163.68/planche_tnl.php
My Local - Ohcar	192.168.1...	homestead	JSONP	hostfile	utf8	3306	http://localhost:8888
My Local - Ohcar	192.168.1...	homestead	JSONP	hostfile	utf8	3306	http://localhost:8888
My Local - Ohcar	localhost	root	JSONP	hostfile	utf8	3306	http://192.168.2.132:8888

# JSONP 통신 지원

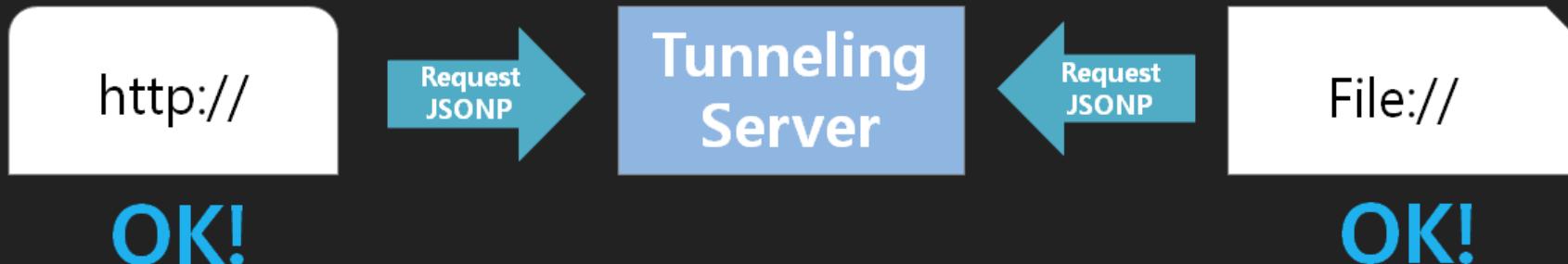
Cross Domain, File:// 대응

AJAX 사용시 - 파일프로토콜(X)



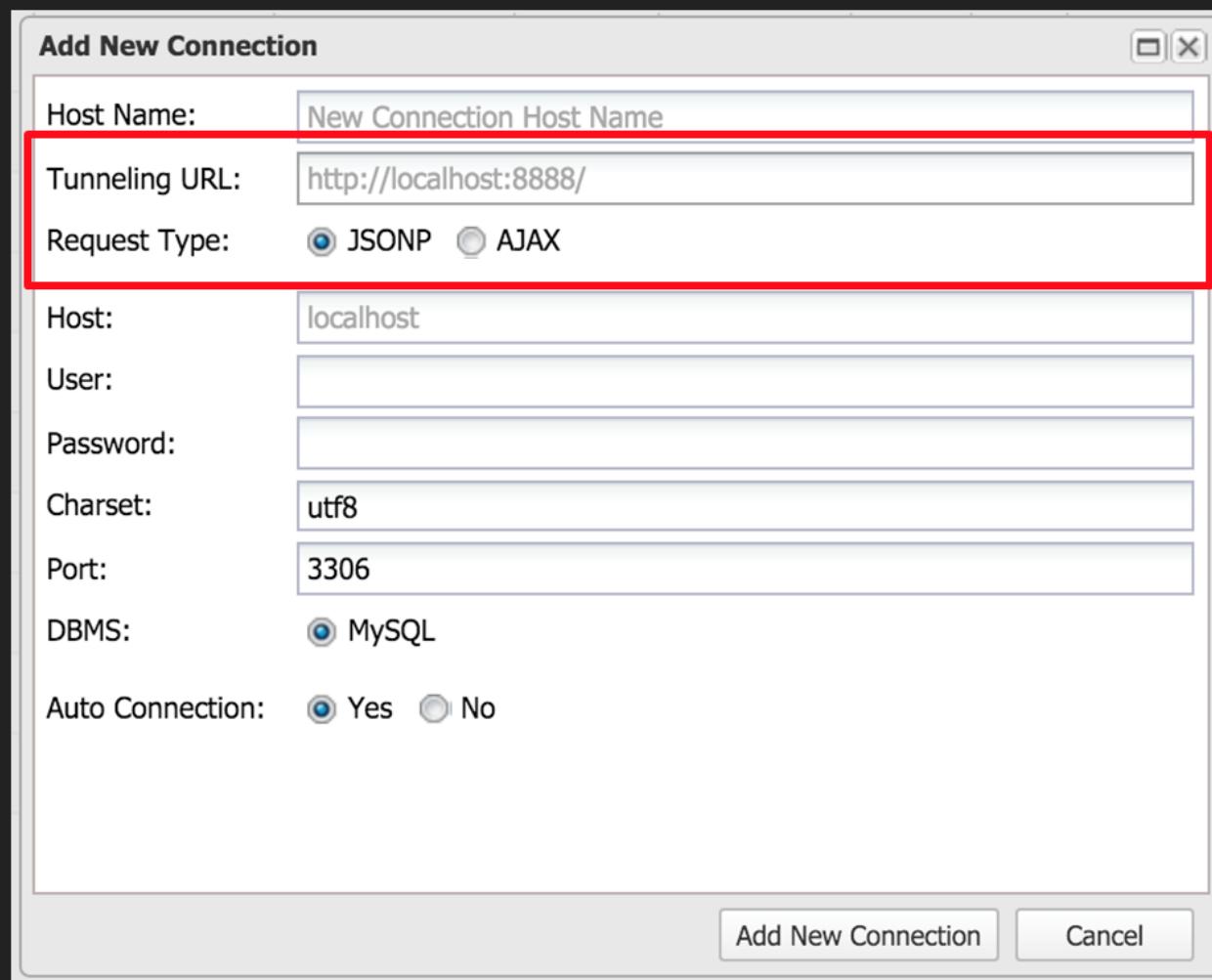
Cross origin requests are only supported for HTTP.

JSONP 사용 - 파일프로토콜(0)



# JSONP 통신 지원

환경에 따라 옵션 적용



# GITHUB

<https://github.com/planche-project/planche>

The screenshot displays the Planche application interface, which includes several windows:

- File Explorer:** Shows the project structure with files like `information_schema`, `views`, `Tables`, and `Functions`.
- Query Editor:** A window titled "Query" containing the following SQL code:

```
1 SELECT
2     `group_id`, `group_name`, `description`, `last_work_time`, `last_work_user_id`
3   FROM `tbl_group` WHERE `tbl_group.info`
```
- Table Schema View:** A window titled "Alter Table `tbl_blocked_list` in `WhitelisQ`". It shows the table structure with columns: `agent_id` (int), `policy_name` (varchar 255), `policy_type` (enum 1, 2, 2, 3), `policy_id` (int 10), `apply_starttime` (int 10), `apply_endtime` (int 10), `event_level` (tinyint 4), `description` (text 255), `reg_time` (int 10), `reg_user_id` (int 20), `state` (tinyint 1, A), `onoff` (tinyint 1, 0), `sync_flag` (enum U,T 0), `sync_auto_flag` (enum U,T 0), `reg_ip` (text 20), `reg_ip_hex` (text 20), `last_work_time` (int 10), and `last_work_user_id` (varchar 20).
- Results Grid:** A window titled "Result" showing a table with 15 rows of data. The columns are: properties, agent\_id, alarm\_level, block, reg\_time, reg\_user\_id, state, onoff, properties, agent\_id, alarm\_level, block, reg\_time, reg\_user\_id, state, onoff.

**Demo**

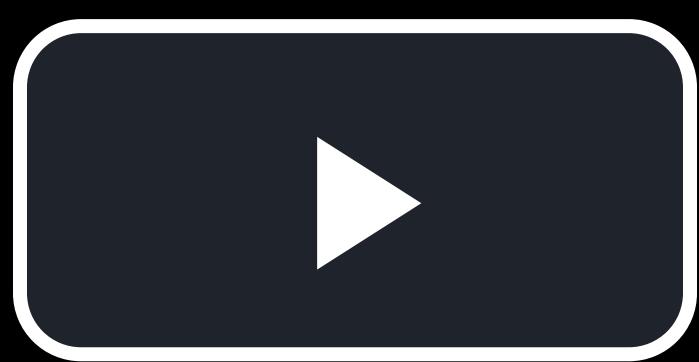
- Planche Demo

**Required environment**

1. Need php or nodejs environment for execute tunneling file.
2. Apache Web Server(optional) -> Tunneling file has its own web server.

**Current features**

- Execute Query : like a desktop application
- Query Editor : like a desktop application
- Query Alignment : Yet it acts like a fool.
- Support delimiter
- Table schema view



# 현재 나와 있는 제품들

Beckend 구조에 의존적 이거나

컴파일언어로 작성

다른 플랫폼으로의 이식성 문제 ↑

# 하지만 **PLANCHE**는

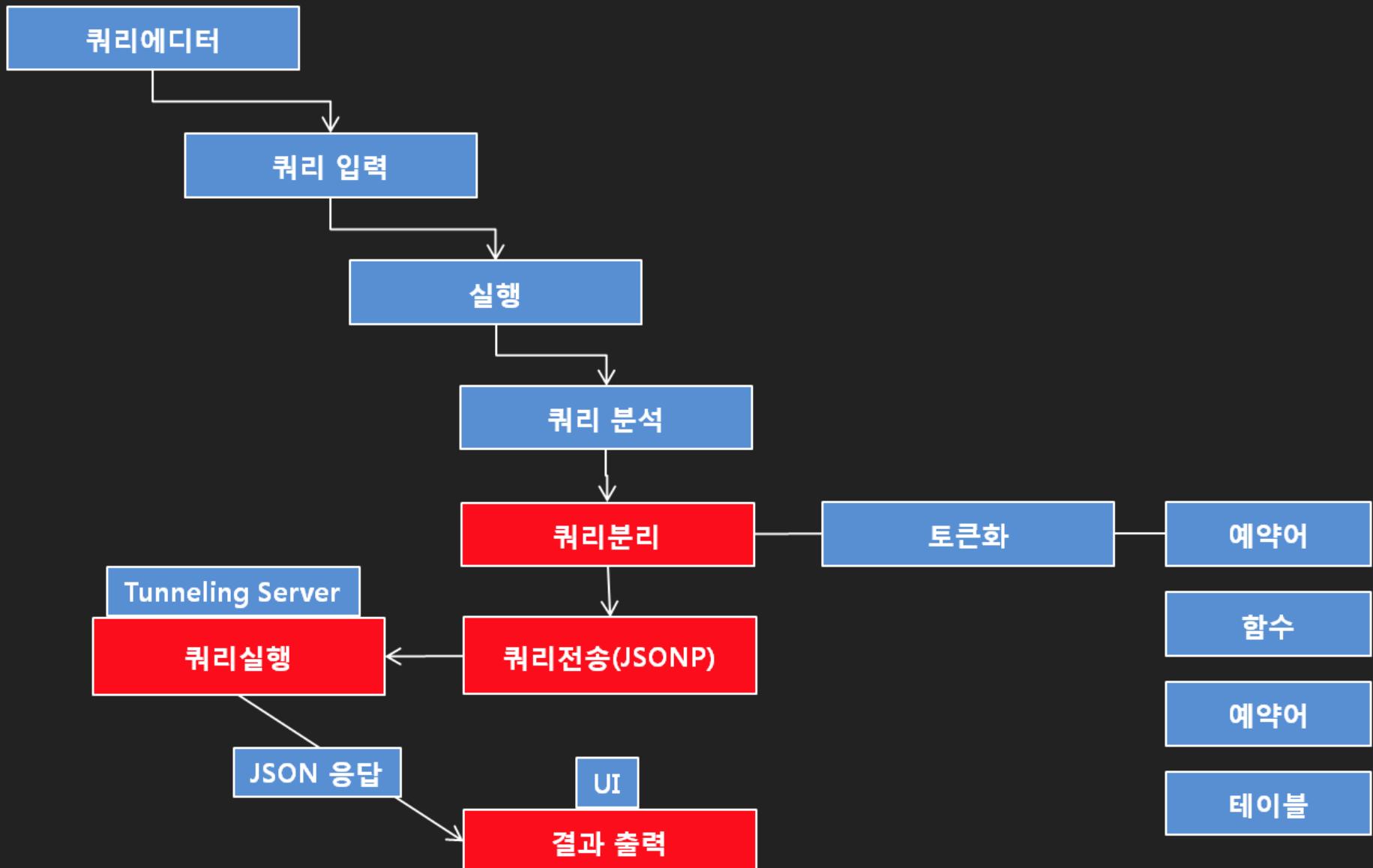
로직 95% ↑ Javascript

Javascript에서 모든 걸 담당(쿼리 분석, 파싱, 스캐폴딩)

터널링 서버의 로직은 5%↓

터널링 서버의 로직은 쿼리만 실행한다

# JAVASCRIPT로 개발한 QUERY PARSER 내장



file:///Users/hanalabs/Desktop/planche-master/index.html

Connection   Query   Edit   Database   Table   Export   Tools

Connect to MySQL Host

Host Name	Host	User	Req.Type	Save in	Charset	Port	HTTP Tunneling URL
Allocation - PeopleCar	211.111.1...	peoplecar	AJAX	hostfile	utf8	3306	http://localhost:8888
My Server - Root	localhost	root	AJAX	hostfile	utf8	3306	http://extjs.makewebapp.net/planche_tnl.php
My Server - hanalabs	localhost	hanalabs	JSONP	hostfile	utf8	3306	http://extjs.makewebapp.net/planche_tnl.php
My Server - 로컬터널링	extjs.mak...	planche	JSONP	hostfile	utf8	3306	http://localhost:8888
My Server - Planche.io	128.199.8...	planche	JSONP	hostfile	utf8	3306	http://localhost:8888
My Server - Planche Demo	localhost	planche_d...	JSONP	hostfile	utf8	3306	http://www.makewebapp.net/planche-master/re...
JDBSee Manager 68번	localhost	root	JSONP	hostfile	utf8	3306	http://211.170.163.68/planche_tnl.php
My Local - Ohcar	192.168.1...	homestead	JSONP	hostfile	utf8	3306	http://localhost:8888
My Local - Ohcar	192.168.1...	homestead	JSONP	hostfile	utf8	3306	http://localhost:8888
My Local - Ohcar	localhost	root	JSONP	hostfile	utf8	3306	http://192.168.2.132:8888

Connect   Test Connect   Add New Connection   Edit Connnection   Del Connnection

Task status

<http://www.makewebapp.net/planche-master>

Connection   Query   Edit   Database   Table   Export   Tools

Connect to MySQL Host

Host Name	Host	User	Req.Type	Save in	Charset	Port	HTTP Tunneling URL
Allocation - PeopleCar	211.111.1...	peoplecar	AJAX	hostfile	utf8	3306	http://localhost:8888
My Server - Root	localhost	root	AJAX	hostfile	utf8	3306	http://extjs.makewebapp.net/planche_tnl.php
My Server - hanalabs	localhost	hanalabs	JSONP	hostfile	utf8	3306	http://extjs.makewebapp.net/planche_tnl.php
My Server - 로컬터널링	extjs.mak...	planche	JSONP	hostfile	utf8	3306	http://localhost:8888
My Server - Planche.io	128.199.8...	planche	JSONP	hostfile	utf8	3306	http://localhost:8888
My Server - Planche Demo	localhost	planche_d...	JSONP	hostfile	utf8	3306	http://www.makewebapp.net/planche-master/re...
JDBSee Manager 68번	localhost	root	JSONP	hostfile	utf8	3306	http://211.170.163.68/planche_tnl.php
My Local - Ohcar	192.168.1...	homestead	JSONP	hostfile	utf8	3306	http://localhost:8888
My Local - Ohcar	192.168.1...	homestead	JSONP	hostfile	utf8	3306	http://localhost:8888
My Local - Ohcar	localhost	root	JSONP	hostfile	utf8	3306	http://192.168.2.132:8888

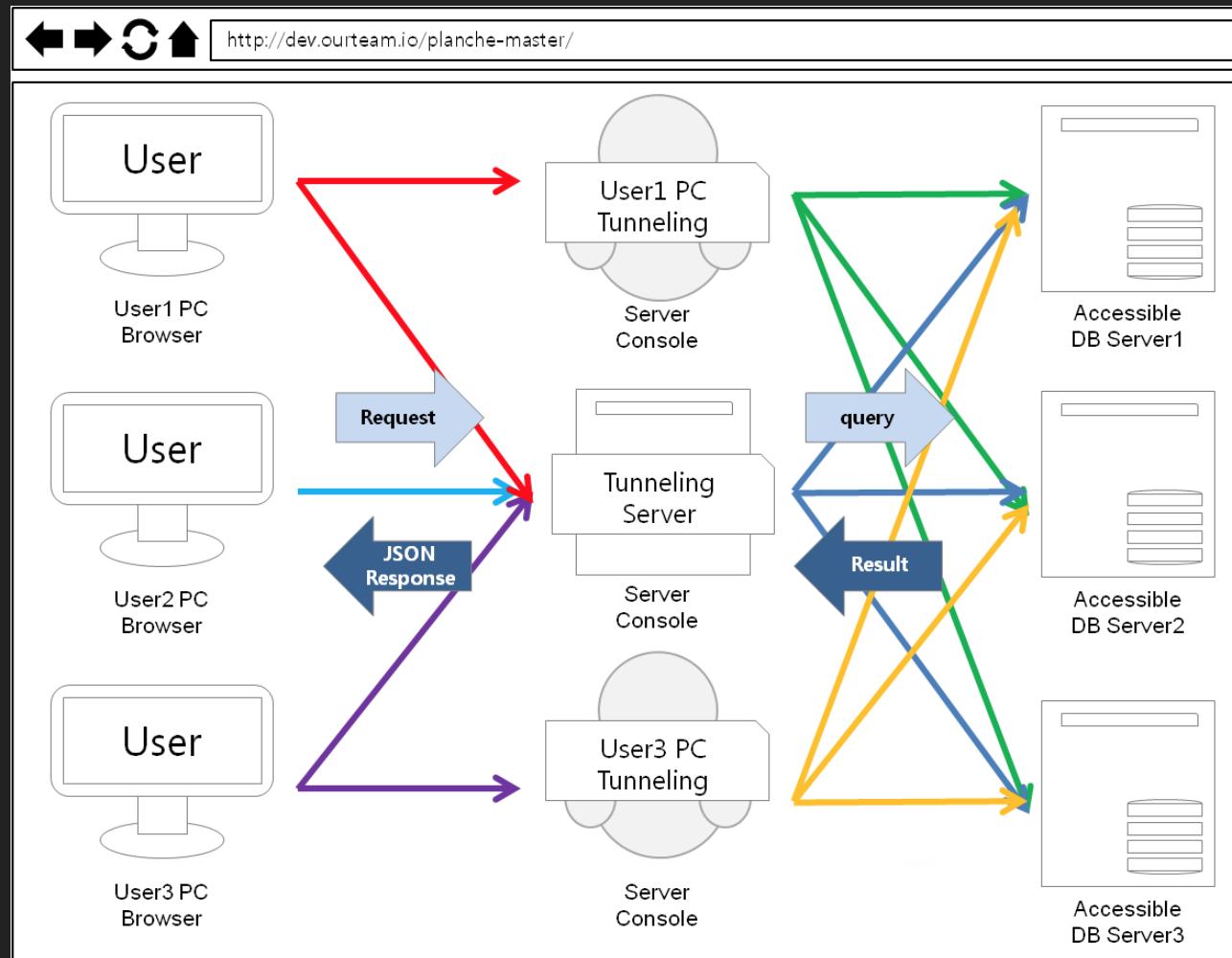
Connect   Test Connect   Add New Connection   Edit Connnection   Del Connnection

Task status

# 자유로운 터널링 구성

공용 또는 로컬 터널링 서버

localhost 이외의 접근이 막힌 서버에 업로드



자바 스크립트 기반이라..

다른 Platform으로 이식이 쉽다

# PLATFORM 이식 #1

[http://plancheproject.github.io/planche\\_for\\_wordpress](http://plancheproject.github.io/planche_for_wordpress)

## Planche for wordpress

Planche wordpress plugin v0.1.3-alpha

[View on GitHub](#)

[Download .zip](#)

[Download .tar.gz](#)

## Planche



Javascript MySQL GUI Client Tool

The Planche is MySQL GUI client tool. This tool has a flexible structure to use. Basically, the operation through the tunneling. The current version is under development. So it may not work properly. The project has been developed, including the following JavaScript frameworks.

- [CodeMirror](#)
- [Sencha ExtJS 4.2](#)

# PLANCHE FOR WORDPRESS

Planche 첫번째 활성화 방안

WordPress Plugin

The screenshot shows the Planche interface integrated with WordPress. The left sidebar contains various links and tools, with 'Planche' selected. The main area is a MySQL database management tool.

**MySQL Structure:**

- Host: @localhost
- Schemas: information\_schema, capture.makewebapp.net, employees
- Tables: a, departments, employees, salaries, titles
- Views, Procedures, Functions, Triggers, Events
- Databases: extjs.makewebapp.net, mail.makewebapp.net, mysql, nsmart, ohchar, performance\_schema, planche.io, sakila, skyfly33, survey.makewebapp.net, test, world, yeoheng.jang.so

**Query Editor:**

```
1 SELECT
2   `emp_no`
3 , `birth_date`
4 , `first_name`
5 , `last_name`
6 , `gender`
7 , `hire_date`
8 FROM
9   `employees`.`employees` ;
10
11
12 SELECT
13   `emp_no`
14 , `birth_date`
15 , `first_name`
16 , `last_name`
```

**Show Table Fields:**

Field	Type	Collation	Null	Key	Default	Extra	Privileges	Comment
emp_no	int(11)	null	NO	PRI	null		select	
birth_date	date	null	NO		null		select	
first_name	varchar(14)	utf8_general_ci	NO		null		select	
last_name	varchar(16)	utf8_general_ci	NO		null		select	
gender	enum('M','F')	utf8_general_ci	NO		null		select	
hire_date	date	null	NO		null		select	

**Show Table Indexes:**

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment
employees	0	PRIMARY	1	emp_no	A	300473	null	null		BTREE		

**Create Table DDL:**

```
CREATE TABLE `employees` (
  `emp_no` int(11) NOT NULL,
  `birth_date` date NOT NULL,
  `first_name` varchar(14) NOT NULL,
  `last_name` varchar(16) NOT NULL,
  `gender` enum('M','F') NOT NULL,
  `hire_date` date NOT NULL,
  PRIMARY KEY (`emp_no`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8
```

# WORDPRESS는 강력한 CMS PLATFORM

24.1%(74,652,825)

MySQL 기반

유저 중 다수가 PHPMyAdmin을 사용

# PHPMYADMIN과 사용자의 NEEDS

PHPMyAdmin은 설치와 관리가 어렵다

한 기업이 다수의 사이트 운영

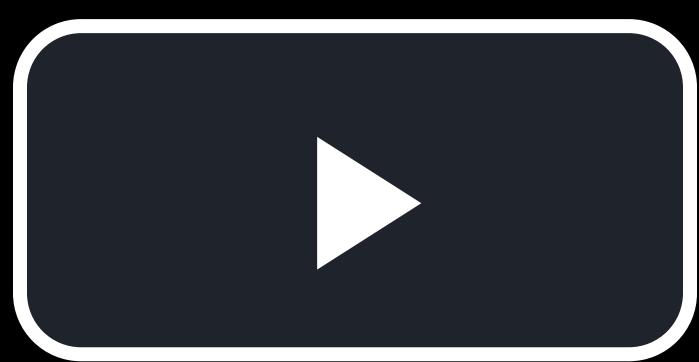
운영하는 사이트간의 데이터(콘텐츠 혹은 글) 복사이슈가 있음

# WORDPRESS 유저의 NEEDS 해결

Planche의 다른 워드프레스 사이트로 복사 기능

데이터를 그리드에서 직접 수정할 수 있다

PHPMyAdmin보다 설치와 설정이 쉽다



# 쉬운 설치

Plugin Store를 통해 배포

Have you taken the WordPress 2015 Survey yet?

WORDPRESS.ORG

Showcase Themes Plugins Mobile Support Get Involved About Blog Hosting Download WordPress

Plugin Directory

Username  Password  Log in (forgot?) or Register

Featured Popular Favorites Beta Testing Developers Search plugins...

Plugins extend and expand the functionality of WordPress. 40,480 plugins with 1,051,616,238 total downloads are at your fingertips.



**Jetpack by WordPress.com**  
Your WordPress, Streamlined.  
*By: automattic, aduth, Alex Kirk, allendav, alternatekev, Andy Skelton, and others.*

★★★★★ (708)  
1+ million active installs

Last Updated: 4 days ago  
Compatible up to: 4.3.1



**WP Super Cache**  
A very fast caching engine for WordPress that produces static html files.  
*By: Donncha O Caoimh, automattic, and Brandon Kraft.*

★★★★★ (671)  
1+ million active installs

Last Updated: 1 week ago  
Compatible up to: 4.3.1

그 외..

Chrome Extension Version

Planche.IO

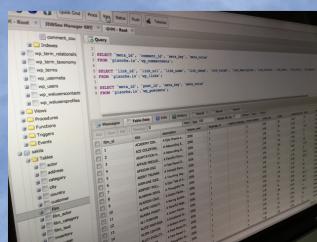
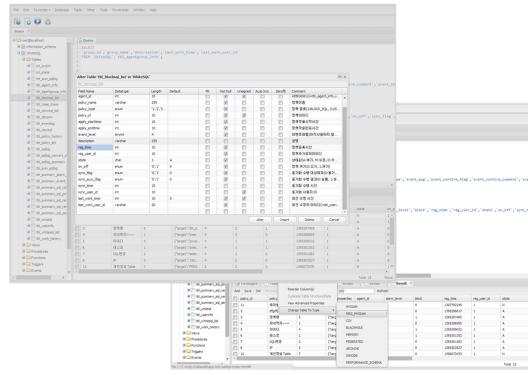
# PLANCHE.IO

## Planche.IO

The Planche is MySQL GUI client tool. This tool has a flexible structure to use. Basically, the operation through the tunneling. The current version is under development. So it may not work properly. The project has been developed, including the following JavaScript frameworks.

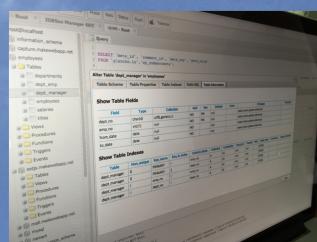
ENTER

CREATE ACCOUNT



### Query With Planche

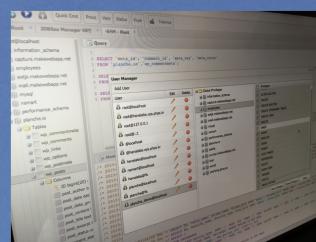
이제 planche.io를 접속하면 어디에서든 데이터베이스에 Query를 할 수 있습니다. 더 이상 당신의 개발환경이 바뀔때마다 쿼리를 새로설치 하는 방식에서 벗어나보



### Like a Installable applications

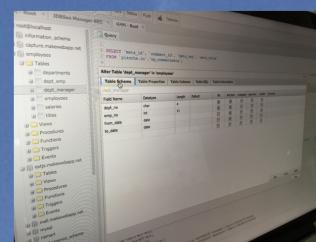
웹에서 브라우저를 통해 작동하지만 이전부터 사용해온 설치형 어플리케이션과 같은 사용자 경험을 제공합니다.

다.



### Simple & Easy Tunneling

외부의 접속이 차단된 데이터베이스도 터널링 파일만 있으면 쿼리를 편리하게 실행 할 수 있습니다.



### Favorites & Auto Saving

즐겨 쓰는 쿼리를 추가해서 관리하고 에디터에 입력된 쿼리는 자동으로 리비전으로 관리됩니다. 더 이상 전에 작성했지만 미처 저장하지 못했던 쿼리를 다시작성하는

# PLANCHE.IO

## Subscription Business Model

The screenshot shows the Planche.io interface, a web-based MySQL management tool. The left sidebar displays a user profile for 'Jeong Ju Won' (Online) and a main navigation menu with links to Teams, Members, History, and Bookmark. The central area has tabs for Connection, Edit, Database, Table, and Tools. The Database tab is active, showing a tree view of the database structure under 'My Server Root'. The 'Tables' node is expanded, showing tables like 'a', 'd', 'wp\_commentmeta', and 'wp\_comments'. The 'wp\_comments' table is selected, and its schema is displayed in the 'Query' pane:

```
1 SELECT
2   `comment_ID`
3 ,`comment_post_ID`
4 ,`comment_author`
5 ,`comment_author_email`
6 ,`comment_author_url`
7 ,`comment_author_IP`
8 ,`comment_date`
9 ,`comment_date_gmt`
10 ,`comment_content`
11 ,`comment_karma`
12 ,`comment_approved`
13 ,`comment_agent`
14 ,`comment_type`
15 ,`comment_parent`
16 ,`user_id`
17 FROM
18   `extjs.makewebapp.net`.`wp_comments` ;
```

The 'Table Data' pane below shows the data for the 'wp\_comments' table, with 11 rows listed. The columns are: comment\_ID, comment\_post\_ID, comment\_author, comment\_author\_email, comment\_author\_url, comment\_author\_IP, comment\_date, comment\_date\_gmt, comment\_content, comment\_karma, comment\_approved, comment\_agent, comment\_type, comment\_parent, and user\_id.

comment_ID	comment_post_ID	comment_author	comment_author_email	comment_author_url	comment_author_IP	comment_date	comment_date_gmt	comment_content	comment_karma	comment_approved	comment_agent	comment_type	comment_parent	user_id
7	4	김로원	rwkang@naver....		124.205.232.162	2013-12-30 15:20:00	2013-12-30 06:20:00							
2	4	이수경	sibimess@naver....		14.63.54.200	2013-10-17 05:20:00	2013-10-17 05:20:00							
3	4	전의수정	parkpjg@hanmail....		175.223.24.20	2013-10-24 04:20:00	2013-10-24 04:20:00							
10	158	김병근	fahrenheit@gm....	http://www.sou....	218.148.27.19	2014-02-23 17:10:00	2014-02-23 08:10:00							
11	158	정주원	jjwcom@nate....	http://extjs.ma....	211.170.163.68	2014-02-26 10:10:00	2014-02-26 01:10:00							
13	174	이성희	khai00@nate....		211.193.41.22	2014-03-21 16:10:00	2014-03-21 07:10:00							
14	174	정주원	jjwcom@nate....	http://extjs.ma....	211.170.163.68	2014-03-21 16:10:00	2014-03-21 07:10:00							
37	298	홍기중	cyder041@nate....		220.75.203.228	2015-01-20 14:10:00	2015-01-20 05:10:00							
39	298	정주원	jjwcom@nate....	http://extjs.ma....	14.39.170.188	2015-01-23 19:10:00	2015-01-23 10:10:00							
204	296	lee	ldknoon@han....		220.117.111.150	2015-07-15 17:10:00	2015-07-15 07:10:00							

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# PLANCHE.IO

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다양한 Export, Import

마치며..

감사합니다