

**MySQL FEDERATED engine 가** ..... 3

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# MySQL FEDERATED engine 가

: <http://blog.weirdx.io/post/3503>

FEDERATED  
MySQL

. Oracle DBLink

FEDERATED MySQL

-with-federated-storage-engine

mysql root

```
install plugin federated soname 'ha_federated.so'
```

DB

가

```
mysql> show engines;
```

```

+-----+-----+-----+
| Engine      | Support | Comment
| Transactions | XA      | Savepoints |
+-----+-----+-----+
| DAMO_MYISAM | YES     | DAmo storage engine
| NO          | NO      | NO          |
| MRG_MYISAM  | YES     | Collection of identical MyISAM tables
| NO          | NO      | NO          |
| CSV         | YES     | CSV storage engine
| NO          | NO      | NO          |
| MyISAM      | YES     | Default engine as of MySQL 3.23 with great
performance  | NO      | NO          | NO          |
| InnoDB     | DEFAULT | Supports transactions, row-level locking, and
foreign keys | YES     | YES        | YES        |
| MEMORY     | YES     | Hash based, stored in memory, useful for temporary
tables      | NO      | NO          | NO          |
| DAMO_INNODB | YES     | DAmo storage engine
| YES        | NO      | NO          |
+-----+-----+-----+
7 rows in set (0.00 sec)

```

```
mysql> install plugin federated soname 'ha_federated.so';
Query OK, 0 rows affected, 1 warning (0.03 sec)

mysql> show engines;
+-----+-----+-----+
| Engine      | Support | Comment
| Transactions | XA      | Savepoints |
+-----+-----+-----+
| DAMO_MYISAM | YES     | DAmo storage engine
| NO          | NO      | NO          |
| FEDERATED   | NO      | Federated MySQL storage engine
| NULL        | NULL    | NULL        |
| CSV         | YES     | CSV storage engine
| NO          | NO      | NO          |
| MyISAM      | YES     | Default engine as of MySQL 3.23 with great
performance  | NO      | NO          | NO          |
| InnoDB      | DEFAULT | Supports transactions, row-level locking, and
foreign keys  | YES     | YES        | YES        |
| MEMORY      | YES     | Hash based, stored in memory, useful for temporary
tables        | NO      | NO          | NO          |
| DAMO_INNODB | YES     | DAmo storage engine
| YES         | NO      | NO          |
| MRG_MYISAM  | YES     | Collection of identical MyISAM tables
| NO          | NO      | NO          |
+-----+-----+-----+
8 rows in set (0.01 sec)
```

show engine FEDERATED Engine .  
/etc/my.cnf [mysqld] federated 가 .

```
[mysqld]
datadir=/var/lib/mysql
socket=/var/lib/mysql/mysql.sock
user=mysql
# Disabling symbolic-links is recommended to prevent assorted security risks
symbolic-links=0
federated # 가
```

MySQL show engines FEDERATED Engine 가

```
mysql> show engines;
+-----+-----+-----+-----+-----+-----+
| Engine | Support | Comment | Transactions | XA | Savepoints |
+-----+-----+-----+-----+-----+-----+
| FEDERATED | YES | Federated MySQL storage engine | NO | NO | NO |
| CSV | YES | CSV storage engine | NO | NO | NO |
| MyISAM | DEFAULT | Default engine as of MySQL 3.23 with great performance | NO | NO | NO |
| InnoDB | YES | Supports transactions, row-level locking, and foreign keys | YES | YES | YES |
| MEMORY | YES | Hash based, stored in memory, useful for temporary tables | NO | NO | NO |
| MRG_MYISAM | YES | Collection of identical MyISAM tables | NO | NO | NO |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

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```
CREATE TABLE `cityholic_db`.`cart_product` (
  `id` bigint(20) NOT NULL AUTO_INCREMENT COMMENT ' ',
  `users_id` bigint(20) unsigned NOT NULL COMMENT ' ',
  `product_id` bigint(20) NOT NULL COMMENT ' ',
  `option_code` varchar(50) NOT NULL COMMENT ' ',
  `quantity` int(11) NOT NULL DEFAULT '0' COMMENT ' ',
  PRIMARY KEY (`users_id`,`product_id`,`option_code`),
  UNIQUE KEY `id_UNIQUE` (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COMMENT=' ';
```

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```
CREATE TABLE `cityholic_db`.`cart_product` (
  `id` bigint(20) NOT NULL AUTO_INCREMENT COMMENT ' ',
  `users_id` bigint(20) unsigned NOT NULL COMMENT ' ',
  `product_id` bigint(20) NOT NULL COMMENT ' ',
  `option_code` varchar(50) NOT NULL COMMENT ' ',
  `quantity` int(11) NOT NULL DEFAULT '0' COMMENT ' ',
  PRIMARY KEY (`users_id`,`product_id`,`option_code`),
  UNIQUE KEY `id_UNIQUE` (`id`)
) ENGINE=FEDERATED DEFAULT CHARSET=utf8 COMMENT=' '
CONNECTION='mysql://root:dldusrn1@10.3.0.27:3306/cityholic_db/cart_product';
```

1. # , .
2. Transaction .
3. # / / #FEDERATED
4. Query Cache .
5. !!!!! !!!!! SHOW CREATE TABLE #FEDERATED ; #  
가 , 가 .

- <http://blog.weirdx.io/post/3503>
- <http://devse.tistory.com/entry/MySQL-DBLink-%EA%B5%AC%ED%98%84%EC%9D%84-%EC%9C%84%ED%95%9C-FEDERATED-%EC%97%94%EC%A7%84-%ED%99%9C%EC%84%B1%ED%99%94-%EB%B0%8F-%ED%85%8C%EC%9D%B4%EB%B8%94-%EC%83%9D%EC%84%B1>
- <http://blackbull.tistory.com/31>

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