

# icinga and icinga\_web2 database isolation from icinga master

## DB HOST

respollerdb-ch2-01v.email.comcast.net  
respollerdb-po-01v.email.comcast.net

**respoller-ch2d-03c.sys.comcast.net** will perform R/W to remote DB server **respollerdb-ch2-01v.email.comcast.net**  
**respoller-cmcd-03c.sys.comcast.net** will perform R/W to remote DB server **respollerdb-po-01v.email.comcast.net**

According to that we will separate our database server and resources in **icinga2** master and **icingaweb2** configuration.

## step1:

Take mysql dump from existing databases "restool-ch2d-03c.sys.comcast.net"

```
-sh-4.1$ ssh restool-ch2d-03c.sys.comcast.net
Last login: Thu Sep  3 13:14:48 2015 from adm-wc-01.sys.comcast.net

Residential Email Operations host
-sh-4.1$mysqldump -u root -p icinga > icinga.sql
-sh-4.1$mysqldump -u root -p icinga_web2 > icinga_web2.sql
```

## Step2:

After install mysql in new DB server "respollerdb-ch2-01v.email.comcast.net"

```
-sh-4.1$ ssh respollerdb-ch2-01v.email.comcast.net
Last login: Thu Sep  3 13:14:48 2015 from adm-wc-01.sys.comcast.net

Residential Email Operations host
-sh-4.1$sudo yum install mysql-server
```

Create new database to respollerdb-ch2-01v.email.comcast.net

```
-sh-4.1$sudo mysql -u root -p

mysql> create database icinga;
Query OK, 1 row affected (0.00 sec)

mysql> create database icinga_web2;
Query OK, 1 row affected (0.00 sec)
```

GRANT REMOTE ACCESS for our icinga2 Master to which it will connect:

```
mysql>GRANT SELECT, INSERT, UPDATE, DELETE, DROP, CREATE VIEW, INDEX, EXECUTE ON icinga.* TO
'icinga'@'respoller-ch2d-03c.sys.comcast.net' IDENTIFIED BY 'icinga';
mysql>GRANT SELECT, INSERT, UPDATE, DELETE, DROP, CREATE VIEW, INDEX, EXECUTE ON icinga_web2.* TO
'icinga_web2'@'respoller-ch2d-03c.sys.comcast.net' IDENTIFIED BY 'icinga_web2';
```



### Step3:

#### Transfer dump to new databases server :

- 1)respollerdb-ch2-01v.email.comcast.net
- 2)respollerdb-po-01v.email.comcast.net

```
-sh-4.1$ hostname
adm-wc-01.sys.comcast.net
-sh-4.1$
-sh-4.1$ scp restool-ch2d-03c.sys.comcast.net:/home/skumar063c/mysql-dump/icinga.sql
/home/skumar063c/File_ssh/
icinga.sql 100% 132MB 44.1MB/s 00:03
-sh-4.1$ scp restool-ch2d-03c.sys.comcast.net:/home/skumar063c/mysql-dump/icinga_web2.sql
/home/skumar063c/File_ssh/
icinga_web2.sql 100% 5104 5.0KB/s 00:00

-sh-4.1$ cd /home/skumar063c/File_ssh/
-sh-4.1$ scp icinga.sql respollerdb-ch2-01v.email.comcast.net:/tmp
icinga.sql 100% 132MB 44.1MB/s 00:03
-sh-4.1$ scp icinga_web2.sql respollerdb-ch2-01v.email.comcast.net:/tmp
icinga_web2.sql
```



### Step4:

#### RESTORE DB from mysqlDump :

```
-sh-4.1$ ssh respollerdb-ch2-01v.email.comcast.net
Last login: Thu Sep 3 13:14:48 2015 from adm-wc-01.sys.comcast.net

Residential Email Operations host
-sh-4.1$
-sh-4.1$ sudo mysql -u root -p icinga </tmp/icinga.sql
Enter password:

-sh-4.1$ sudo mysql -u root -p icinga_web2 </tmp/icinga_web2.sql
Enter password:
```



### Step 5:

```

-sh-4.1$ ssh respoller-ch2d-03c
Last login: Tue Nov  3 08:21:36 2015 from adm-wc-01.sys.comcast.net

Residential Email Operations host
-sh-4.1$
-sh-4.1$ sudo su - -s /bin/bash
[sudo] password for skumar063c:
[root@respoller-ch2d-03c ~]#
[root@respoller-ch2d-03c ~]# cd /etc/icinga2/features-enabled/
[root@respoller-ch2d-03c features-enabled]# cat ido-mysql.conf
/**
 * The db_ido_mysql library implements IDO functionality
 * for MySQL.
 */

library "db_ido_mysql"

object IdoMysqlConnection "ido-mysql" {
    user = "icinga"
    password = "icinga"
    host = "respollerdb-ch2-01v.email.comcast.net"
    database = "icinga"
}
[root@icinga2 features-enabled]#

```

After above change restart icinga2 service to take effect:

```

[root@respoller-ch2d-03c icingaweb2]# /etc/init.d/icinga2 restart

```



**MySQL command to check whether icinga writing to DB**

```

-sh-4.1$ ssh respollerdb-ch2-01v.email.comcast.net
Last login: Thu Sep  3 13:14:48 2015 from adm-wc-01.sys.comcast.net

Residential Email Operations host
-sh-4.1$
-sh-4.1$ mysql -u root -p icinga
Enter password:

```

```
mysql> select (UNIX_TIMESTAMP(NOW())-UNIX_TIMESTAMP(ss.status_update_time)) as diff, NOW() as now,
ss.status_update_time as status_update_time, os.name1 as host, os.name2 as service from
icinga_servicestatus ss join icinga_objects os on os.object_id=ss.service_object_id order by
status_update_time desc limit 20;
```

diff	now	status_update_time	host	service
2	2015-08-12 12:12:21	2015-08-12 12:12:19	icinga2	ping4
2	2015-08-12 12:12:21	2015-08-12 12:12:19	icinga2	ssh
3	2015-08-12 12:12:21	2015-08-12 12:12:18	icinga2-s1	ssh
7	2015-08-12 12:12:21	2015-08-12 12:12:14	icinga2-s2.samn.com	ssh
7	2015-08-12 12:12:21	2015-08-12 12:12:14	webkit.samn.com	ssh
8	2015-08-12 12:12:21	2015-08-12 12:12:13	icinga2-s1	http
10	2015-08-12 12:12:21	2015-08-12 12:12:11	webkit.samn.com	procs
17	2015-08-12 12:12:21	2015-08-12 12:12:04	webkit.samn.com	ping4
17	2015-08-12 12:12:21	2015-08-12 12:12:04	icinga2-s1	disk
18	2015-08-12 12:12:21	2015-08-12 12:12:03	icinga2-s2.samn.com	procs
22	2015-08-12 12:12:21	2015-08-12 12:11:59	icinga2-s2.samn.com	ping4
24	2015-08-12 12:12:21	2015-08-12 12:11:57	icinga2	disk /
24	2015-08-12 12:12:21	2015-08-12 12:11:57	icinga2-s1	ping6
24	2015-08-12 12:12:21	2015-08-12 12:11:57	icinga2-s1	disk /
24	2015-08-12 12:12:21	2015-08-12 12:11:57	icinga2	ping6
26	2015-08-12 12:12:21	2015-08-12 12:11:55	icinga2-s2.samn.com	icinga
28	2015-08-12 12:12:21	2015-08-12 12:11:53	webkit.samn.com	load
32	2015-08-12 12:12:21	2015-08-12 12:11:49	icinga2-s2.samn.com	load
35	2015-08-12 12:12:21	2015-08-12 12:11:46	icinga2	http
36	2015-08-12 12:12:21	2015-08-12 12:11:45	icinga2-s1	ping4

20 rows in set (0.00 sec)

```
mysql> SELECT status_update_time from icinga_programstatus where (UNIX_TIMESTAMP(status_update_time) >
UNIX_TIMESTAMP(NOW())-60);
```

status_update_time
2015-08-12 12:14:34

1 row in set (0.00 sec)

## Step 6: change the resource(mysql) in icingaweb2 configuration

```
[root@respoller-ch2d-03c ~]# cd /etc/icingaweb2
[root@respoller-ch2d-03c icingaweb2]# ll
total 32
-rw-rw---- 1 apache icingaweb2 228 Sep 23 17:29 authentication.ini
-rw-rw---- 1 apache icingaweb2 156 Sep 17 10:13 config.ini
drwxrws--- 3 apache icingaweb2 4096 Oct 20 08:15 dashboards
drwxr-s--- 2 apache icingaweb2 4096 Oct 19 10:42 enabledModules
-rw-rw---- 1 apache icingaweb2 54 Sep 17 10:13 groups.ini
drwxrws--- 5 root icingaweb2 4096 Oct 19 10:41 modules
-rw-rw---- 1 apache icingaweb2 563 Oct 28 16:43 resources.ini
-rw-rw---- 1 apache icingaweb2 792 Nov 2 15:07 roles.ini
```

```
[root@respoller-ch2d-03c icingaweb2]# cat resources.ini
[icingaweb_db]
type = "db"
db = "mysql"
host = "respollerdb-ch2-01v.email.comcast.net"
port = "3306"
dbname = "icinga_web2"
username = "icinga_web2"
password = "icinga_web2"

[icinga_idol]
type = "db"
db = "mysql"
host = "respollerdb-ch2-01v.email.comcast.net"
port = "3306"
dbname = "icinga"
username = "icinga"
password = "icinga"

[root@respoller-ch2d-03c icingaweb2]#
```