KB Category:	**Internal**		
Author:	**Alvinn Medrano**	Date:	**07-25-2019**

Problem Description:	Internal
Symptoms and Cause of the issue:	N/A

Back-up Schedule: Every Thursday @ 03:00 PM
Retention Period: 1 month
Path: //172.17.0.1/four_terra/home/Cacti_DB/

Back-up Procedure:
Step 1: Log-on to Forticlient VPN Select OAMVPN G2 using you own credentials.

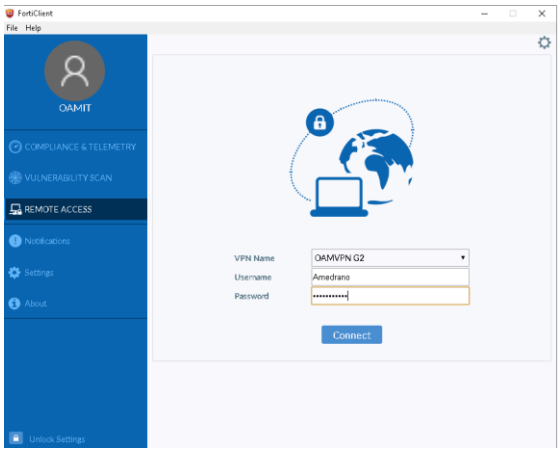

Figure 1

Step 2: Then approved the confirmation on your phone to allow remoting on the server.

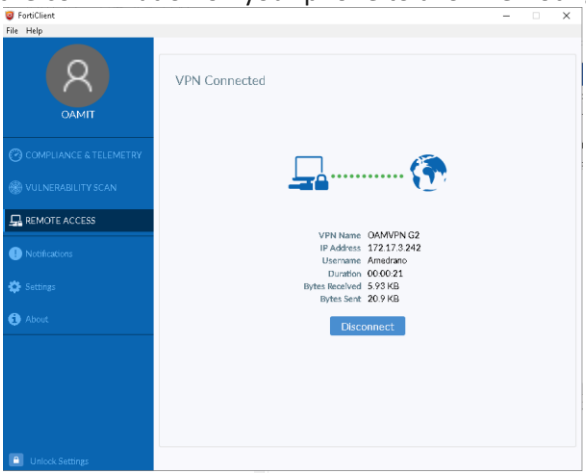

Figure 2

Step 3: Once connected Log-on to server GL2-VLIN-NMS01 via SSH using your own credentials.
> 172.17.3.4 Port 3489

Step 4: Switch to the root environment using the command below:
> sudo su -

```
[Rovver-GS:~ macbookpro$ ssh -l rovie 172.17.0.101 -p4422
The authenticity of host '[172.17.0.101]:4422 ([172.17.0.101]:4422)' can't be established.
RSA key fingerprint is SHA256:cGOp4DpDI85rBxpsg7BcTdrNbALOQ0bjQCYkLLoI7V8.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '[172.17.0.101]:4422' (RSA) to the list of known hosts.
[rovie@172.17.0.101's password:
Last login: Sat Jan  5 03:47:38 2019 from 172.19.133.19
[[rovie@agenor ~]$ sudo su -
[[sudo] password for rovie:
[root@agenor ~]#
```

Figure 3

Step 5: Next, navigate to the home folder by sending the command below:
> cd /home

Step 6: Start the back-up of the database by sending the command mysqldump -u cacti -h localhost -p cacti > /home/dbbackup/cactidbmmddyyy.sql
> !D******5

```
[[root@agenor ~]# cd /home/
[[root@agenor home]# mysqldump -u cacti -h localhost -p cacti > /home/dbbackup/cactidb01152019.sql
[Enter password:
[root@agenor home]#
```

Figure 4

Step 7: Then login to GL2-VLIN-NMS01 via WinSCP using your credentials then go to the path of the backup and copy the file to your pc.

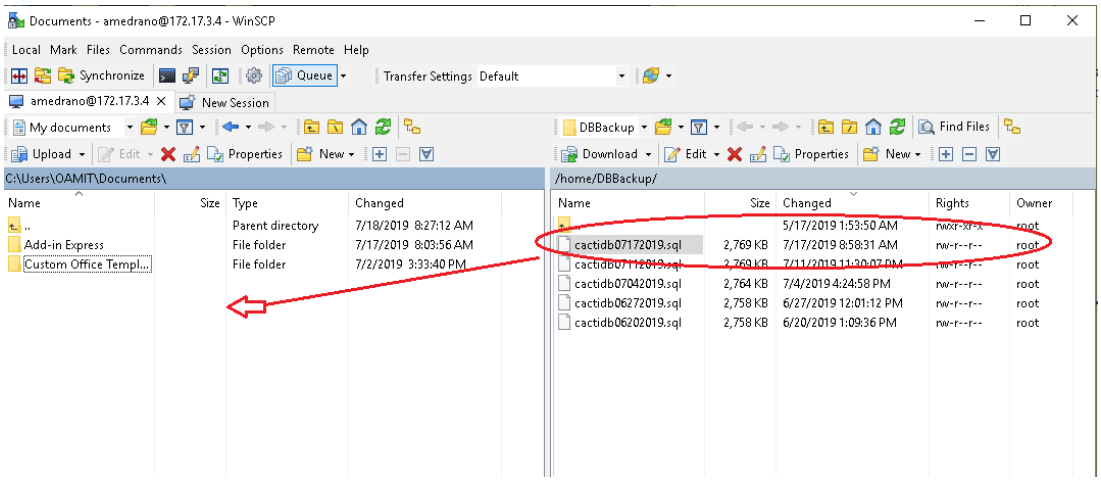

Figure 5

Step 7: After copying the back-up files login to PELOPS via WinSCP using your credentials then navigate where you copy the file from GL2-VLIN-NMS01 then paste it to the Cacti DB back-up.

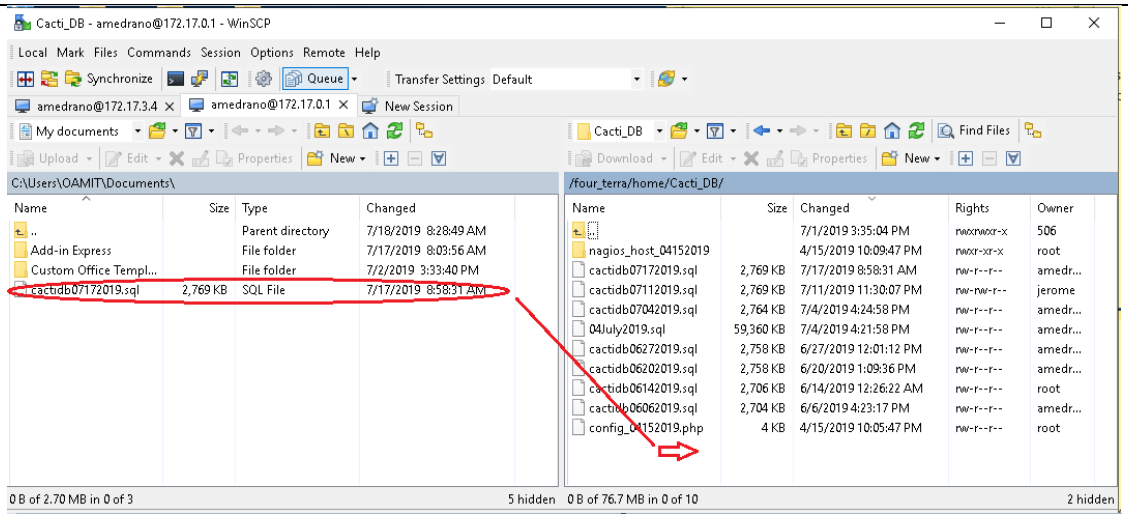

Figure 6

Back-up Verification:

Step 1: Log on to Pelops using your own credentials.

> 172.17.0.1 Port 3489

Step 2: Switch to the root environment by sending the command below:

> sudo su -

Step 3: Navigate to the back-up path for Cacti Database.

> cd /four_terra/home/Cacti_DB/

Step 4: List the files inside the folder by sending the command ls -l.

```
[[root@pelops Cacti_DB]# ls -l
total 4044
-rw-r--r-- 1 root root  4134389 Jan 15 19:22 cactidb01152019.sql
-rwxrwxr-x 1  506 admin    2872 Jul 19  2017 check_iostat
[root@pelops Cacti_DB]#
```

Figure 4: The database back-up should be listed

Restoration Procedure:

Step 1: Install CentOS 7.5 or higher.

Step 2: Assign the IP Address 172.17.0.101 , and make sure it has internet connection.

Step 3: Install SSH and edit the config file below to enable port 3489:

> vi /etc/ssh/sshd_config

Step 4: Make sure to disable selinux by editing the file below:

> vi /etc/selinux/config

Step 5: Install Cacti and Nagios, and all the required packages.

Step 6: Next, copy the latest back-up of the Cacti Database from Pelops to Cacti.

> cd /home/dbbackup/

> scp -P3489 root@172.17.0.1:/four_terra/home/Cacti_DB/cactidbmmddyyy.sql .

Step 7: Restore the database by sending the command below:

> mysql -u cacti -h localhost -p cacti < cactidbmmddyyy.sql