

OpenNebula - Bug #4904

"onedb upgrade" and "onedb restore" do not correctly restore database

11/07/2016 05:07 PM - Roy Keene

Status:	Closed	Start date:	11/07/2016
Priority:	High	Due date:	
Assignee:	Jaime Melis	% Done:	0%
Category:	Core & System	Estimated time:	0.00 hour
Target version:	Release 5.4	Pull request:	
Resolution:	fixed		
Affected Versions:	OpenNebula 5.2		

Description

Currently if "onedb upgrade" fails it attempts to restore the database:

```
root@aurae-dashboard:/var/lib/one# onedb upgrade --username oneadmin --password
ee32fd38dc029f3cf7cab123f0fdad9341896652 --dbname 'opennebula'
MySQL dump stored in /var/lib/one/mysql_localhost_opennebula_2016-11-7_16:55:55.sql
Use 'onedb restore' or restore the DB using the mysql command:
mysql -u user -h server -P port db_name < backup_file
```

```
>>> Running migrators for shared tables
```

```
Database migrated from 4.11.80 to 5.2.0 (OpenNebula 5.2.0) by onedb command.
```

```
...
```

```
Do you want to proceed ? [y/N]y
```

```
Mysql::Error: Duplicate entry '0-0' for key 'PRIMARY'
```

```
...
```

```
The database will be restored
```

```
MySQL DB opennebula at localhost restored.
```

```
root@aurae-dashboard:/var/lib/one#
```

However, it does not faithfully restore this backup -- it leaves any new tables created by the attempted upgrade in place, causing future upgrades to fail:

```
root@aurae-dashboard:/var/lib/one# onedb upgrade --username oneadmin --password
ee32fd38dc029f3cf7cab123f0fdad9341896652 --dbname 'opennebula'
MySQL dump stored in /var/lib/one/mysql_localhost_opennebula_2016-11-7_16:56:21.sql
Use 'onedb restore' or restore the DB using the mysql command:
mysql -u user -h server -P port db_name < backup_file
```

```
>>> Running migrators for shared tables
```

```
Mysql::Error: Table 'marketplace_pool' already exists
```

```
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/adapters/mysql.rb:175:in `query'
```

```
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/adapters/mysql.rb:175:in `block in _execute'
```

Attempting to restore the database with "onedb restore" fails in exactly the same way.

To workaround it I had to drop all the tables manually:

```
root@aurae-dashboard:/var/lib/one# echo 'DROP TABLE acl, cluster_datastore_relation, cluster_network_relation,
cluster_pool, cluster_vnc_bitmap, datastore_pool, db_versioning, document_pool, group_pool, group_quotas, history,
host_monitoring, host_pool, image_pool, local_db_versioning, marketplace_pool, marketplaceapp_pool, network_pool,
network_vlan_bitmap, pool_control, secgroup_pool, system_attributes, template_pool, user_pool, user_quotas, vdc_pool,
vm_import, vm_monitoring, vm_pool, vm_showback, vrouter_pool, zone_pool;' | mysql -u oneadmin
--password=ee32fd38dc029f3cf7cab123f0fdad9341896652 -B opennebula
root@aurae-dashboard:/var/lib/one#
```

(NOTE: All passwords above are randomly generated on this test system, not leaks)

Related issues:

Related to Bug # 5225: onedb upgrade errors (migrator scripts)	Closed	07/11/2017
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Associated revisions

Revision 93404c2e - 07/12/2017 04:34 PM - Javi Fontan

B #4904: fix sqlite backups, drop tables

History

#1 - 12/19/2016 05:35 AM - Roy Keene

This also happens with "onedb import-slave" if the import fails -- both databases are left broken to further attempts at importing.

#2 - 12/19/2016 06:06 PM - Ruben S. Montero

- Status changed from Pending to New
- Priority changed from Normal to High
- Target version set to Release 5.4

#3 - 05/25/2017 02:14 PM - Ruben S. Montero

- Assignee set to Javi Fontan

#4 - 07/10/2017 04:34 PM - Javi Fontan

- Assignee changed from Javi Fontan to Jaime Melis

#5 - 07/12/2017 02:31 PM - Javi Fontan

- Related to Bug #5225: onedb upgrade errors (migrator scripts) added

#6 - 07/12/2017 04:36 PM - Javi Fontan

- Status changed from New to Closed
- Resolution set to fixed

Fixed in master.