

## OpenNebula - Bug #4953

### Attempting to import an OpenNebula 5.2.0 slave into an OpenNebula 5.2.0 master fails

12/19/2016 07:09 AM - Roy Keene

<b>Status:</b>	Closed	<b>Start date:</b>	12/19/2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jaime Melis	<b>% Done:</b>	0%
<b>Category:</b>	Core & System	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Pull request:</b>	
<b>Resolution:</b>	wontfix		
<b>Affected Versions:</b>	OpenNebula 5.2		

#### Description

Attempting to import an OpenNebula 5.2.0 slave into an OpenNebula 5.2.0 master fails with error:

```
Mysql::Error: Unknown column 'cid' in 'field list'
```

Removing line 1342 of "import\_slave.rb" resolve this error and the imported system appears to work. But I have not looked into the DB to see if this is appropriate.

```
1333     db[:network_pool].insert(  
1334       :oid    => row[:oid],  
1335       :name   => row[:name],  
1336       :body   => doc.root.to_s,  
1337       :uid    => new_user[:oid],  
1338       :gid    => new_group[:oid],  
1339       :owner_u => row[:owner_u],  
1340       :group_u => row[:group_u],  
1341       :other_u => row[:other_u],  
1342       :cid    => row[:cid],  
1343       :pid    => row[:pid])
```

Complete log of failure:

Master database information:

Version read:

Shared tables 5.2.0 : OpenNebula 5.2.0 daemon bootstrap

Local tables 4.90.0 : OpenNebula 5.2.0 daemon bootstrap

Slave database information:

Version read:

Shared tables 5.2.0 : OpenNebula 5.2.0 daemon bootstrap

Local tables 4.90.0 : OpenNebula 5.2.0 daemon bootstrap

Before running this tool, it is required to create a new Zone in the Master OpenNebula.

Please enter the Zone ID that you created to represent the new Slave OpenNebula:

Zone ID: 100

The import process will move the users from the slave OpenNebula to the master OpenNebula. In case of conflict, it can merge users with the same name.

For example:

```
+-----+-----+-----+-----+
| Master | Slave  || With merge | Without merge |
+-----+-----+-----+-----+
| 5, alice | 2, alice || 5, alice | 5, alice  |
| 6, bob   | 5, bob   || 6, bob  | 6, bob   |
|          |          ||         | 7, alice-1 |
|          |          ||         | 8, bob-1  |
+-----+-----+-----+-----+
```

In any case, the ownership of existing resources and group membership is preserved.

Do you want to merge USERS (Y/N): y

Do you want to merge GROUPS (Y/N): y

Do you want to merge VDCS (Y/N): y

MySQL dump stored in /tmp/tmp.aUvn39WT9o.master

Use 'onedb restore' or restore the DB using the mysql command:

```
mysql -u user -h server -P port db_name < backup_file
```

MySQL dump stored in /tmp/tmp.aUvn39WT9o.slave

Use 'onedb restore' or restore the DB using the mysql command:

```
mysql -u user -h server -P port db_name < backup_file
```

> Running slave import

The Slave OpenNebula will be imported to the Master OpenNebula as Zone #100, auras-dev.

Users will be moved from the slave DB to the master DB. They will need a new ID and name.

Old Slave ID name => New Master ID name

```
0 admin      => 0 admin
1 serveradmin => 1 serveradmin
```

Groups will be moved from the slave DB to the master DB. They will need a new ID and name.

Old Slave ID name => New Master ID name

```
0 oneadmin   => 0 oneadmin
1 users      => 1 users
```

VDCs will be moved from the slave DB to the master DB. They will need a new ID and name.

Old Slave ID name => New Master ID name

```
0 default    => 0 default
```

MarketPlaces will be moved from the slave DB to the master DB. They will need a new ID and name.

Old Slave ID name => New Master ID name

0 OpenNebula Public => 100 OpenNebula Public - auras-dev

MarketPlaceApps will be moved from the slave DB to the master DB. They will need a new ID and name.

Old Slave ID name => New Master ID name

34 alpine-vrouter (KVM) => 47 alpine-vrouter (KVM) - auras-dev  
36 alpine-vrouter (vcenter) => 48 alpine-vrouter (vcenter) - auras-dev  
23 Arch Linux => 49 Arch Linux - auras-dev  
33 Blank Template - vdc => 50 Blank Template - vdc - auras-dev  
39 boot2docker => 51 boot2docker - auras-dev  
0 Carina Environment Manager => 52 Carina Environment Manager - auras-dev  
29 CentOS 5.11 - KVM => 53 CentOS 5.11 - KVM - auras-dev  
20 CentOS 6.5 - KVM => 54 CentOS 6.5 - KVM - auras-dev  
6 CentOS 6.5 - VMware => 55 CentOS 6.5 - VMware - auras-dev  
11 CentOS 6.5 - Xen => 56 CentOS 6.5 - Xen - auras-dev  
8 CentOS 7.2 - KVM => 57 CentOS 7.2 - KVM - auras-dev  
30 CoreOS alpha => 58 CoreOS alpha - auras-dev  
26 DCI Bridge Direct Cloud Slave Appliance => 59 DCI Bridge Direct Cloud Slave Appliance - auras-dev  
21 Debian 7 - KVM => 60 Debian 7 - KVM - auras-dev  
35 Debian 8.4 - KVM => 61 Debian 8.4 - KVM - auras-dev  
5 Debian Wheezy Bio Imaging => 62 Debian Wheezy Bio Imaging - auras-dev  
2 Debian Wheezy Galaxy NGS => 63 Debian Wheezy Galaxy NGS - auras-dev  
4 Debian Wheezy NGS => 64 Debian Wheezy NGS - auras-dev  
3 Debian Wheezy Proteomics => 65 Debian Wheezy Proteomics - auras-dev  
1 Debian Wheezy XGrid => 66 Debian Wheezy XGrid - auras-dev  
22 debian-7.1-amd64-kvm => 67 debian-7.1-amd64-kvm - auras-dev  
38 Devuan => 68 Devuan - auras-dev  
24 gUSE CloudBroker Wrapper => 69 gUSE CloudBroker Wrapper - auras-dev  
27 gUse v3.5.2 => 70 gUse v3.5.2 - auras-dev  
17 Hadoop 1.2 Master => 71 Hadoop 1.2 Master - auras-dev  
16 Hadoop 1.2 Slave => 72 Hadoop 1.2 Slave - auras-dev  
18 OpenNebula 4.10 ESX Sandbox => 73 OpenNebula 4.10 ESX Sandbox - auras-dev  
19 OpenNebula 4.10 KVM Sandbox => 74 OpenNebula 4.10 KVM Sandbox - auras-dev  
13 OpenNebula 4.10 VirtualBox Sandbox => 75 OpenNebula 4.10 VirtualBox Sandbox - auras-dev  
9 OpenNebula 4.12 VirtualBox Sandbox => 76 OpenNebula 4.12 VirtualBox Sandbox - auras-dev  
7 OpenNebula 4.14.2 VirtualBox Sandbox => 77 OpenNebula 4.14.2 VirtualBox Sandbox - auras-dev  
40 OpenNebula Virtual Router => 78 OpenNebula Virtual Router - auras-dev  
31 Peppermint 4 Desktop - vdc => 79 Peppermint 4 Desktop - vdc - auras-dev  
25 Testing gUSE installations (on SL5) => 80 Testing gUSE installations (on SL5) - auras-dev  
43 ttylinux - kvm => 81 ttylinux - kvm - auras-dev  
14 ttylinux - VMware => 82 ttylinux - VMware - auras-dev  
42 ttylinux virtio => 83 ttylinux virtio - auras-dev  
15 Ubuntu 14.04 - KVM => 84 Ubuntu 14.04 - KVM - auras-dev  
12 Ubuntu 14.04 - VMware => 85 Ubuntu 14.04 - VMware - auras-dev  
37 Ubuntu 15.04 - KVM => 86 Ubuntu 15.04 - KVM - auras-dev  
10 Ubuntu 16.04 - KVM => 87 Ubuntu 16.04 - KVM - auras-dev  
41 Ubuntu for Docker Machine => 88 Ubuntu for Docker Machine - auras-dev  
32 Ubuntu Server 13.10 v2 - vdc => 89 Ubuntu Server 13.10 v2 - vdc - auras-dev  
28 Vyatta Core 6.5R1 - kvm => 90 Vyatta Core 6.5R1 - kvm - auras-dev  
46 Vyatta Core 6.5R1 KVM HDD => 91 Vyatta Core 6.5R1 KVM HDD - auras-dev  
44 VyOS 1.0.5 64 bits => 92 VyOS 1.0.5 64 bits - auras-dev

```
Mysql::Error: Unknown column 'cid' in 'field list'  
/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'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/database/logging.rb:33:in `log_yield'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/adapters/mysql.rb:175:in `_execute'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/adapters/shared/mysql_prepared_statements.rb:34:in `block in execute'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/database/connecting.rb:250:in `block in synchronize'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/connection_pool/threaded.rb:85:in `hold'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/database/connecting.rb:250:in `synchronize'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/adapters/shared/mysql_prepared_statements.rb:34:in `execute'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/adapters/mysql.rb:160:in `execute_insert'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/dataset/actions.rb:924:in `execute_insert'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/dataset/actions.rb:336:in `insert'  
/usr/lib/one/ruby/onedb/import_slave.rb:1333:in `block in process_new_ownership'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/dataset/actions.rb:139:in `block in each'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/adapters/mysql.rb:312:in `block (2 levels) in fetch_rows'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/adapters/mysql.rb:367:in `yield_rows'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/adapters/mysql.rb:312:in `block in fetch_rows'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/adapters/mysql.rb:177:in `_execute'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/adapters/shared/mysql_prepared_statements.rb:34:in `block in execute'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/database/connecting.rb:250:in `block in synchronize'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/connection_pool/threaded.rb:85:in `hold'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/database/connecting.rb:250:in `synchronize'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/adapters/shared/mysql_prepared_statements.rb:34:in `execute'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/dataset/actions.rb:908:in `execute'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/adapters/mysql.rb:351:in `execute'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/adapters/mysql.rb:296:in `fetch_rows'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/dataset/actions.rb:139:in `each'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/database/dataset.rb:46:in `fetch'  
/usr/lib/one/ruby/onedb/import_slave.rb:1311:in `process_new_ownership'  
/usr/lib/one/ruby/onedb/import_slave.rb:458:in `block in import_slave'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/database/transactions.rb:126:in `_transaction'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/database/transactions.rb:100:in `block in transaction'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/database/connecting.rb:250:in `block in synchronize'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/connection_pool/threaded.rb:98:in `hold'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/database/connecting.rb:250:in `synchronize'  
/lib/ruby/gems/2.3.0/gems/sequel-4.19.0/lib/sequel/database/transactions.rb:89:in `transaction'  
/usr/lib/one/ruby/onedb/import_slave.rb:457:in `import_slave'  
/usr/lib/one/ruby/onedb/onedb.rb:426:in `import_slave'  
/bin/onedb:349:in `block (2 levels) in <main>'  
/usr/lib/one/ruby/cli/command_parser.rb:449:in `run'  
/usr/lib/one/ruby/cli/command_parser.rb:76:in `initialize'  
/bin/onedb:222:in `new'  
/bin/onedb:222:in `<main>'
```

Error running slave import

## History

**#1 - 12/19/2016 02:23 PM - Roy Keene**

Using the "cid" column seems like an error since it is not part of the table:

src/vnm/VirtualNetwork.cc:

```
95 const char * VirtualNetwork::db_bootstrap = "CREATE TABLE IF NOT EXISTS"
96 " network_pool (oid INTEGER PRIMARY KEY, name VARCHAR(128),"
97 " body MEDIUMTEXT, uid INTEGER, gid INTEGER,"
98 " owner_u INTEGER, group_u INTEGER, other_u INTEGER,"
99 " pid INTEGER, UNIQUE(name,uid));"
```

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

- Category changed from 18 to Core & System
- Status changed from Pending to New
- Target version set to Release 5.4

THANKS for reporting, planing this issue for 5.4

**#3 - 05/02/2017 01:58 PM - Gerben Meijer**

Ran into the same issue here.

**#4 - 05/25/2017 02:25 PM - Ruben S. Montero**

- Assignee set to Jaime Melis

**#5 - 07/13/2017 10:14 AM - Javi Fontan**

- Target version deleted (Release 5.4)

This mechanism does not apply anymore to 5.4. We are taking out the target of 5.4. The fix should be done in 5.2 branch.

**#6 - 09/22/2017 10:21 AM - Ruben S. Montero**

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