

## OpenNebula - Bug #5450

### When importing a slave with higher UID/GID than master, quotas entries prevent synchronization from occurring

10/10/2017 08:22 PM - Roy Keene

<b>Status:</b>	Closed	<b>Start date:</b>	10/10/2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Juan Jose Montiel Cano	<b>% Done:</b>	0%
<b>Category:</b>	Core & System	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Release 5.4.3	<b>Pull request:</b>	
<b>Resolution:</b>	worksforme		
<b>Affected Versions:</b>	OpenNebula 5.4		

#### Description

In OpenNebula 5.4.1 if you try to import a slave that had a higher GID or UID than the master's highest UID/GID then when the synchronization occurs the INSERT will fail with a primary key violation (when trying to create a new group):

```
Tue Oct 10 15:14:34 2017 [Z100][ONE][E]: SQL command was: INSERT INTO group_quotas (group_oid, body) VALUES (102,'<QUOTAS><ID>102</ID><DATASTORE_QUOTA></DATASTORE_QUOTA><NETWORK_QUOTA></NETWORK_QUOTA><VM_Quota><VM_QUOTA></VM_QUOTA><IMAGE_QUOTA></IMAGE_QUOTA></QUOTAS>'), error 1062 : Duplicate entry '102' for key 'PRIMARY'
```

```
Tue Oct 10 15:14:34 2017 [Z100][ReM][I]: Error replicating log entry 206 in zone
```

Setup conditions:

MASTER

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```
# onegroup create dev
# onegroup create ten01
```

SLAVE

-----

```
# onegroup create ops
# onegroup create ten0
# onegroup delete ten0
# onegroup create ten01
```

Setup federation between master and slave

Then create a new group, which will be group ID #102

Replication to slave will fail because the slave already has an entry in "group\_quotas" regarding group ID #102, left over from before the federation

Possible solutions:

1. Use "INSERT OR REPLACE" for synchronization to replace the invalid data

2. Delete the "group\_quotas" (and likely "user\_quotas") data when importing slaves

#### Related issues:

Related to Feature # 5514: Include a procedure to automatically import zone r...

New

10/27/2017

#### History

##### #1 - 10/11/2017 04:10 PM - Roy Keene

- File *opennebula-5.4.1-fixfederationimport.diff* added

Attached is a patch I am using.

##### #2 - 10/13/2017 10:04 AM - Ruben S. Montero

- Target version set to *Release 5.4.3*

##### #3 - 10/27/2017 11:26 AM - Ruben S. Montero

- Assignee set to *Juan Jose Montiel Cano*

##### #4 - 10/27/2017 02:07 PM - Juan Jose Montiel Cano

Hello. I'm trying to reproduce this bug but I can't reproduce it, did you delete all users and groups in slave zone? you need to recreate all users and groups into master zone.

You can view a guide about this here:

[http://docs.opennebula.org/5.4/advanced\\_components/data\\_center\\_federation/federationconfig.html#importing-existing-opennebula-zones](http://docs.opennebula.org/5.4/advanced_components/data_center_federation/federationconfig.html#importing-existing-opennebula-zones)

Thanks!

##### #5 - 10/27/2017 03:37 PM - Ruben S. Montero

- Status changed from *Pending* to *Closed*

- Resolution set to *worksforme*

##### #6 - 10/27/2017 03:39 PM - Ruben S. Montero

- Related to Feature #5514: Include a procedure to automatically import zone resources into a federation added

##### #7 - 10/27/2017 03:52 PM - Roy Keene

I followed the procedure as documented. The issue is that when you import the master data into the slave it replaces the USER and GROUP tables on the slave from the master, but does not clear the USER\_QUOTAS or GROUP\_QUOTAS tables, so they refer to user and group IDs that no longer mean anything, and further if you then try to create a new user/group on the master it will try to create the corresponding blank quota entry on the slave and fail, since the OID key is already present.

It is 100% reproducible in OpenNebula 5.4.1 and I can provide a demo if requested.

#### Files

opennebula-5.4.1-fixfederationimport.diff

2.2 KB

10/11/2017

Roy Keene