

OpenNebula - Bug #322

XML-RPC API machine state

08/23/2010 11:11 AM - Alexandre Joseph

Status:	Closed	Start date:	08/23/2010
Priority:	Normal	Due date:	
Assignee:	Javi Fontan	% Done:	0%
Category:	Client API & Library	Estimated time:	0.00 hour
Target version:		Pull request:	
Resolution:	fixed		
Affected Versions:	OpenNebula 2.2		
Description			
<p>When using OpenNebula XML-RPC API to retrieve informations on a VM a number is returned corresponding to a state of the machine.</p> <p>The matching between numbers and human readable states (running, boot, etc...) don't seems to be described in the documentation of the API for the moment.</p>			

History

#1 - 08/26/2010 12:58 PM - Javi Fontan

- Assignee changed from Tino Vázquez to Javi Fontan

Virtual machines have two states "STATE" and "LCM_STATE". Here is what the values for this states mean:

```
/**
 * Global Virtual Machine state
 */
enum VmState
{
    INIT      = 0,
    PENDING  = 1,
    HOLD     = 2,
    ACTIVE   = 3,
    STOPPED  = 4,
    SUSPENDED = 5,
    DONE     = 6,
    FAILED   = 7
};

/**
 * Virtual Machine state associated to the Life-cycle Manager
 */
enum LcmState
{
    LCM_INIT      = 0,
    PROLOG        = 1,
    BOOT          = 2,
    RUNNING       = 3,
    MIGRATE       = 4,
    SAVE_STOP     = 5,
    SAVE_SUSPEND = 6,
```

```
SAVE_MIGRATE = 7,  
PROLOG_MIGRATE = 8,  
PROLOG_RESUME = 9,  
EPILOG_STOP = 10,  
EPILOG = 11,  
SHUTDOWN = 12,  
CANCEL = 13,  
FAILURE = 14,  
DELETE = 15,  
UNKNOWN = 16  
};
```

Basically you have to check the state, if it is 3 (ACTIVE) then you have to check the LCM_STATE for the substate inside ACTIVE, that way you can will know if it is running, migrating, etc.

I will leave this ticket open until we add this information to the documentation.

#2 - 03/30/2012 02:49 PM - Ruben S. Montero

- *Status changed from New to Closed*
- *Resolution set to fixed*
- *Affected Versions OpenNebula 2.2 added*

Now in the docs...