

Synnefo - Feature # 1003

Status:	Closed	Priority:	Low
Author:	Vangelis Koukis	Category:	Volumes
Created:	08/04/2011	Assignee:	Constantinos Venetsanopoulos
Updated:	01/16/2012	Due date:	11/11/2011
Subject:	Explore Ganeti's shared block storage support		
Description	Explore Ganeti's shared block storage support. Investigate ways of provisioning disks dynamically, then passing them to Ganeti on instance creation for OS provisioning.		
Related issues:	related to Synnefo - Feature # 1512: RBD disk template for Ganeti Closed 10/18/2011 11/11/2011		

History

#1 - 10/14/2011 07:24 pm - Vangelis Koukis

- Target version changed from v0.7 to v0.8.0

Moving to v0.8, pending documentation of findings. Work on block storage continues into the v0.8 cycle.

#2 - 10/18/2011 05:45 pm - Vangelis Koukis

- Due date set to 11/11/2011

#3 - 11/15/2011 04:05 pm - Constantinos Venetsanopoulos

- Status changed from Assigned to Resolved

Done. Thoroughly studied [apollon]'s Shared Storage patchset for Ganeti.

Disks will not be provisioned outside Ganeti and then passed to it (many synchronization and race condition problems occur, since there is not yet a clear interface implementation as proposed by apollon in his design doc). We will extend Ganeti to handle rbd devices as another EXT_MIRROR disk type. Implementation of a clear interface (such as the ganeti-os-interface) should be considered on upcoming releases.

Created a new "rbd" disk template, that enables Ganeti to create/remove/failover/migrate instances whose disks reside inside a RADOS cluster. Tested and works. For more (including corner case known defects) see #1512.

#4 - 01/16/2012 06:30 pm - Vangelis Koukis

- Status changed from Resolved to Closed

'rbd' disk template pushed for inclusion to Ganeti master, closing.