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Notes on the VOMS/VOMRS Service

Service Components

While a Grid Registration Service has had an implementation based on LDAP, it is now based around a VOMS/VOMRS application server and a database backend.

The application server consists of:

- VOMS application
- VOMRS web interface for managing VOMS user administration activities
- VOMS grid map generator (voms-admin)

VOMS High Availability

This is covered in VomsWlwgHa

Equipment required

There is currently no capacity planning information for VOMS so estimates will have to be made.

A standard 3.00GHz 2 CPU configuration with 4GB of memory will be used. Based on real life production data, this configuration could be revisited.

Component	Number	Purpose
Midrange Server	2	VOMS master and slave machines

Engineering required

Development	Purpose
Start/Stop/Status procedure	Scripts for VOMS operations
Lemon VOMS availability test	A lemon aware sensor which can be used for reporting availability. This should monitor the number of VOMS processes which are running
Linux Heartbeat availability test	A Linux-HA aware sensor which would activate the procedure for automatic switch from master to slave
Switch procedure	Automatic switch from master to slave changing the DNS alias, disabling the master, enabling the slave in its new master role
Capacity Metric	Capacity metrics defined for Number of renewals / second Number of inits / second
Quattor configuration for Linux-HA	NCM component to configure Linux-HA/Heartbeat

Other Items to Consider

The security for the VOMS server should be kept carefully controlled since it can be used to obtain additional access rights.

Open Items

Nr	Description	Status	Open Date	Who	Log
1	What processes are required for VOMS operation	closed	2006/03/27	Maria	VomsStartStopCheck
2	Implementation of voms-ping	closed	2006/03/19	Maria + Developers	VomsPingScript

Related Documents

- [VOMS Status Aug 2005](#)

-- TimBell - 18 Oct 2005

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