VOMS Replication

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Needs for Replication

- **Automatic fail-over**

  - VOMS high aivalability service

    - no voms-proxy-init, no grid access

    - no proxyrenewal, long jobs die

    - no mkgridmap, no update of authorization information (on CE for example)

- **Load balancing**

Data to replicate

- **Whole database (except seqnumber)**
  - Sort out both VOMS Core and VOMS-Admin

- **Selected tables**
  - VOMS Core needs 9 tables (usr, ca, groups, roles, user_attrs, group_attrs, role_attrs, m)

- **What should not be shipped due to security and/or personal privacy?**
  - Why are replicas less secure?

Tests

- **Andrea, Vincenzo and Valerio will do the test at CNAF**
  - check data propagate correctly and fast
  - voms-proxy-init and mkgridmap on master and replicas

Resources allocated at CNAF

- **2 machines have been installed**
  - SUN Fire V20z , 2xAMD Opteron 252, 4GB RAM, RAID controller, 2 Hard Disks 73GB
- **RedHat Enterprise 4 Update 4 installed**
- **Oracle 10.2.0.3**
- **Single instance database created**
- **VOMS schema created and populated with fake data**