eGee

Enabling Grids for E-sciencE

VOMS Status

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HTTPS

SOAP
Over
HTTPS

HTTPS

VOMS protocol
over GSI

HTTPS

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VOMS
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API

gridmap
support

VOMS core server

httpd

VOMS admin server

Mysql api

JDBC

VOMS DB

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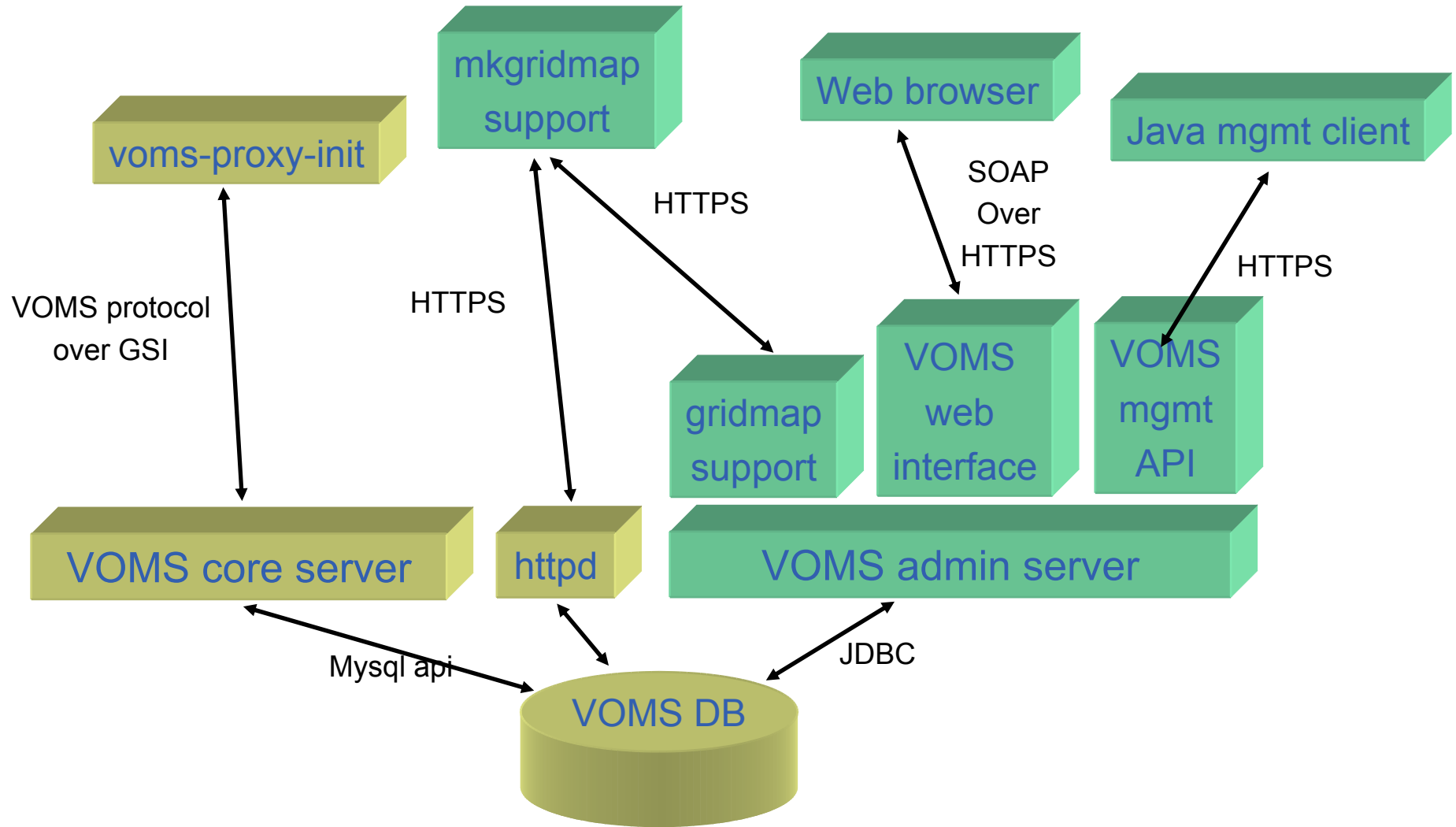
- **Most of the code/functionality is from EDG/LCG**

- **In VOMS Core code is almost identical**
  - Config and install script changes
  - Small functionality changes
  - AC support was already done in EDG?

- **In VOMS admin there is significant rearrangement and cleaning in code and interfaces**

- **VOMS parser**
  - Virtually no change in c/c++
  - Java AC parser completely new, in EDG was VOMS "blob"

Enabling Grids for E-sciencE

- **EDG/LCG version works and in production**

- **EGEE version does not work**

- **"longest installation in history"**

- **Many bugs and even fixes filed, but progress is slow**

- **Major problem, holding many things up**

- **Man power problem, sick leaves?**
  - Patrick?

- **AC conformance**

- **EDG/LCG version production quality**
- **EGEE version successfully installed in NIKHEF**
- **Works, but has been changing rapidly**
  - Changes sometimes break something else
  - Should consider branching

- **Needed for services to support VOMS attributes**
- **For c/c++ - provided by VOMS Core libraries**
- **For java - parsing is being implemented**
  - Code is in CVS and works, but needs finishing touches
  - AC implementation being contributed to Bouncycastle
  - Generator code being developed by a third party
- **AC format in VOMS core is not RFC conformant**
  - Being fixed

- **Needed for legacy support**

- **Two implementations**

- **VOMS core version**

  – Httpd? (apache?) service

  – DN regexp filter

- **VOMS admin version**

  – Component in voms admin

  – ACLs

    ▪ Means all servers have to register

    ▪ Virtual DN for authentication only access coming soon

Enabling Grids for E-sciencE

- **Full AC RFC conformance**

- **Removal of CA/DN combination requirement**
  - DNs are unique

- **Removal of capabilities attribute**
  - Not required, Not used
  - Makes user interface more complex
  - Keep code in case it is needed later

- **Multi-DN support**
  - Simple first step done already in VOMS core
  - Support in VOMS admin being implemented