



StoRM
Storage Resource Manager



VOMS attribute use in StoRM



StoRM

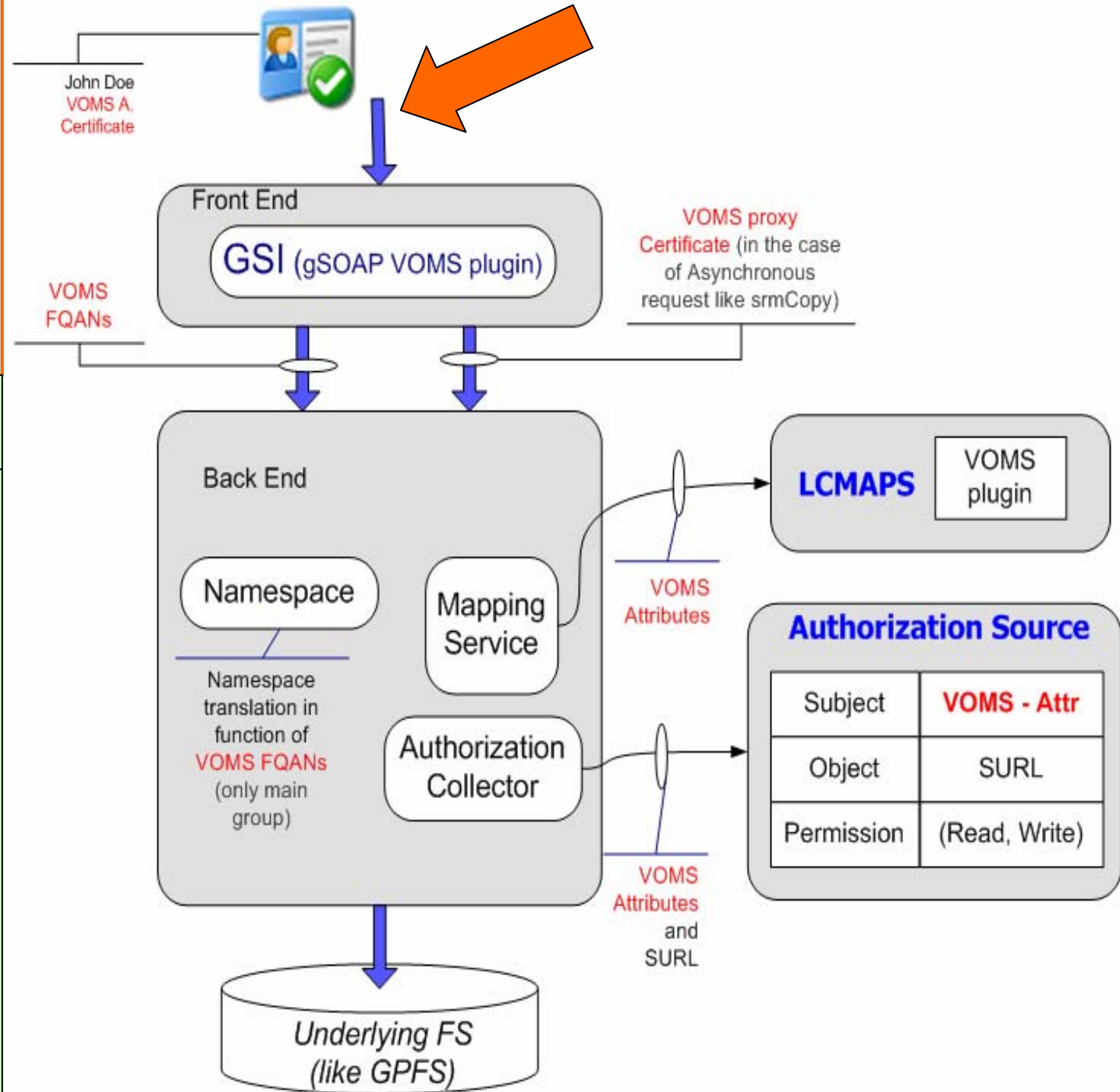
VOMS

Attribute Utilization

Description

The web service StoRM uses **httpg** protocol.

StoRM front-end is written in C and C++. It is based on **gSOAP** with **GSI plugin** (with VOMS support). [gLite distribution]



StoRM

VOMS

Attribute

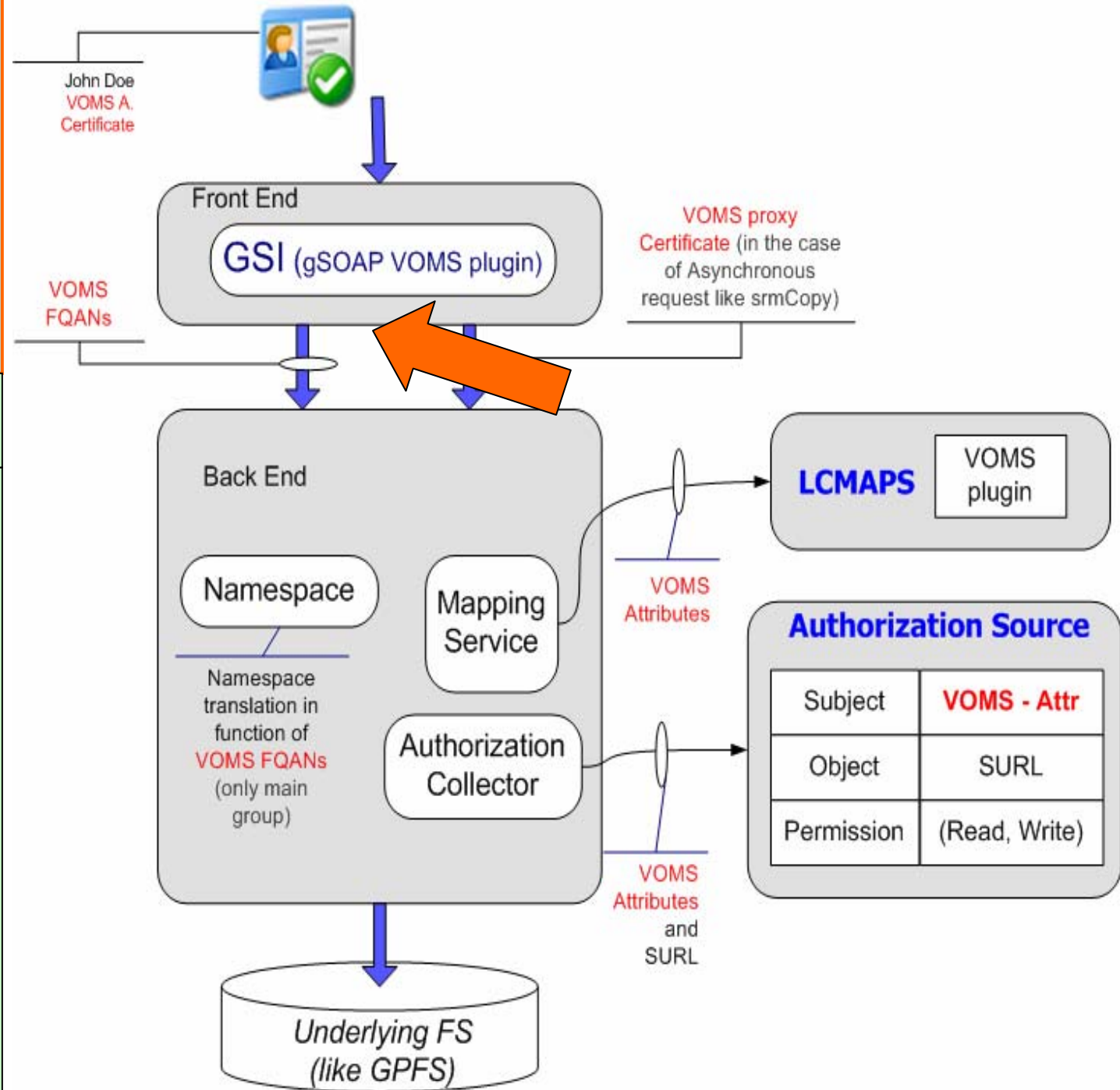
Utilization

Description

StoRM front-end parses the proxy certificate to extract DN and FQANs.

FQAN and DN are passed to back end as request parameter.

In the case of **srmCopy** request entire proxy is passed to backend. (It is used to open a GSI connection to the remote SRM).

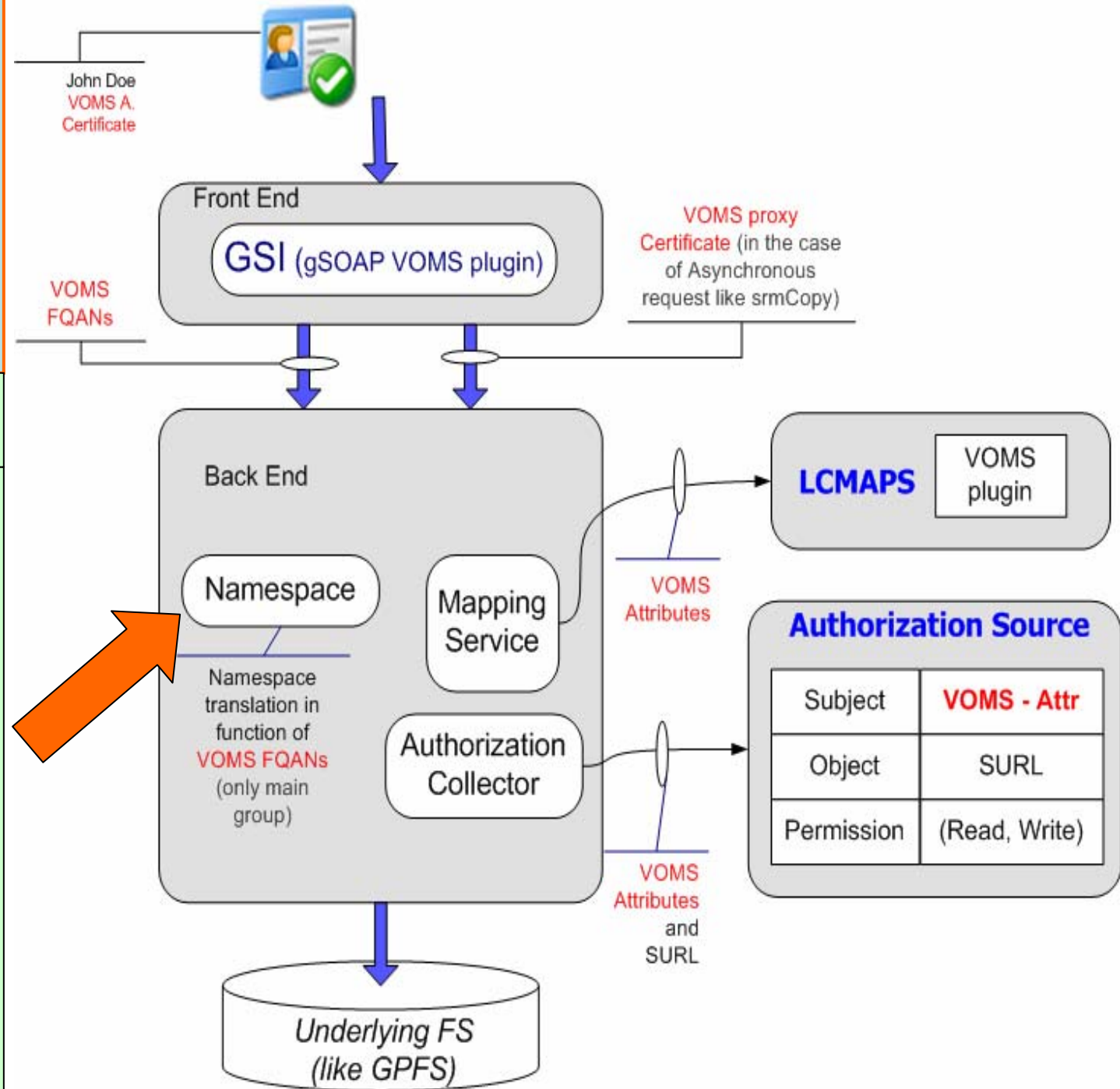


StoRM VOMS Attribute Utilization

Description

StoRM back-end uses the subject's attribute to identify the right namespace. Every VO holds one's namespaces. Every namespace could be based on different quality of storage (underlying filesystem, access protocols, performance, etc.)

E.g. 'lhcb users' →
'/mnt/gpfs/lhcb/'



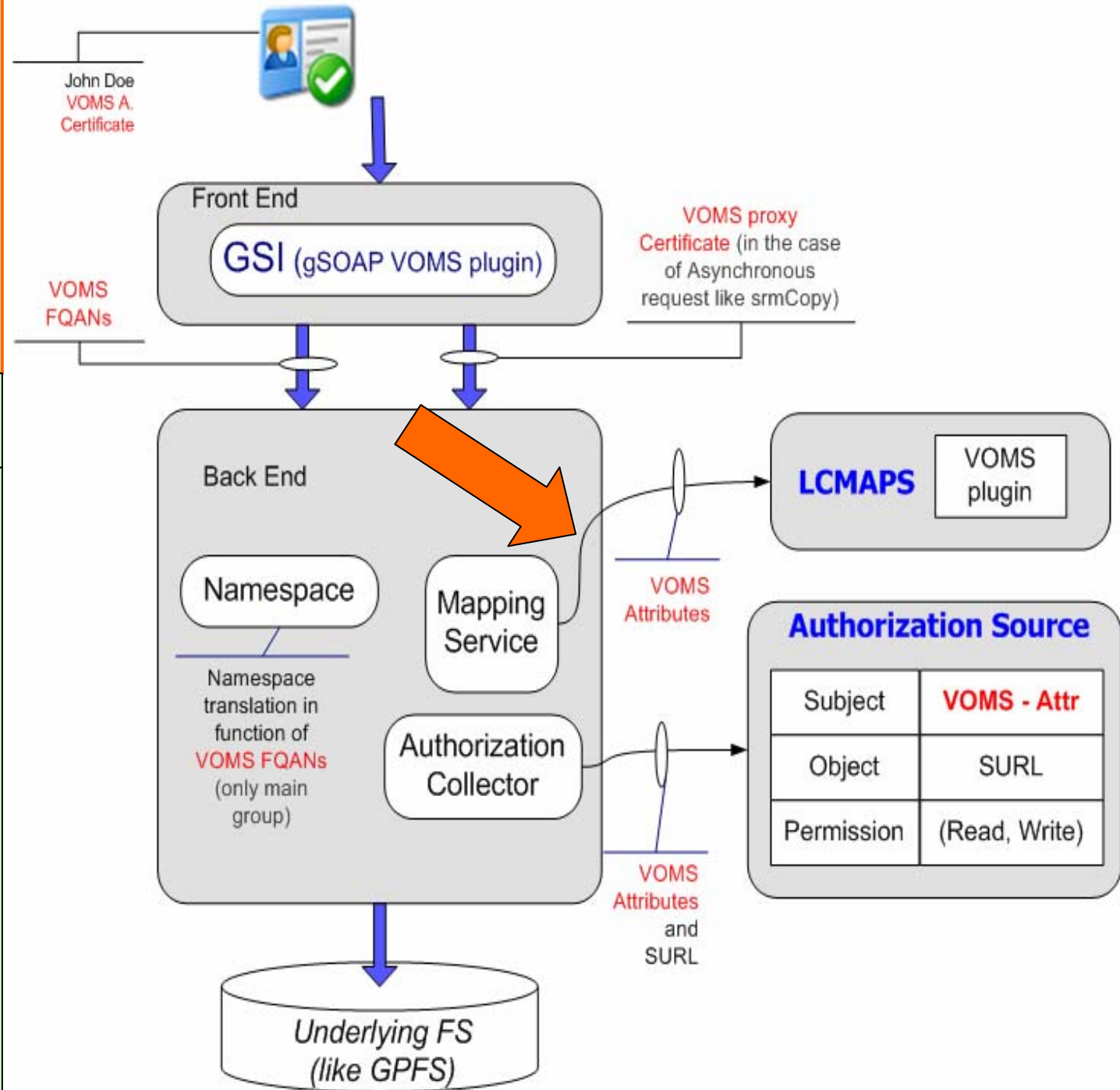
StoRM

VOMS

Attribute Utilization

Description

Mapping service uses LCMAPS with VOMS plugin.

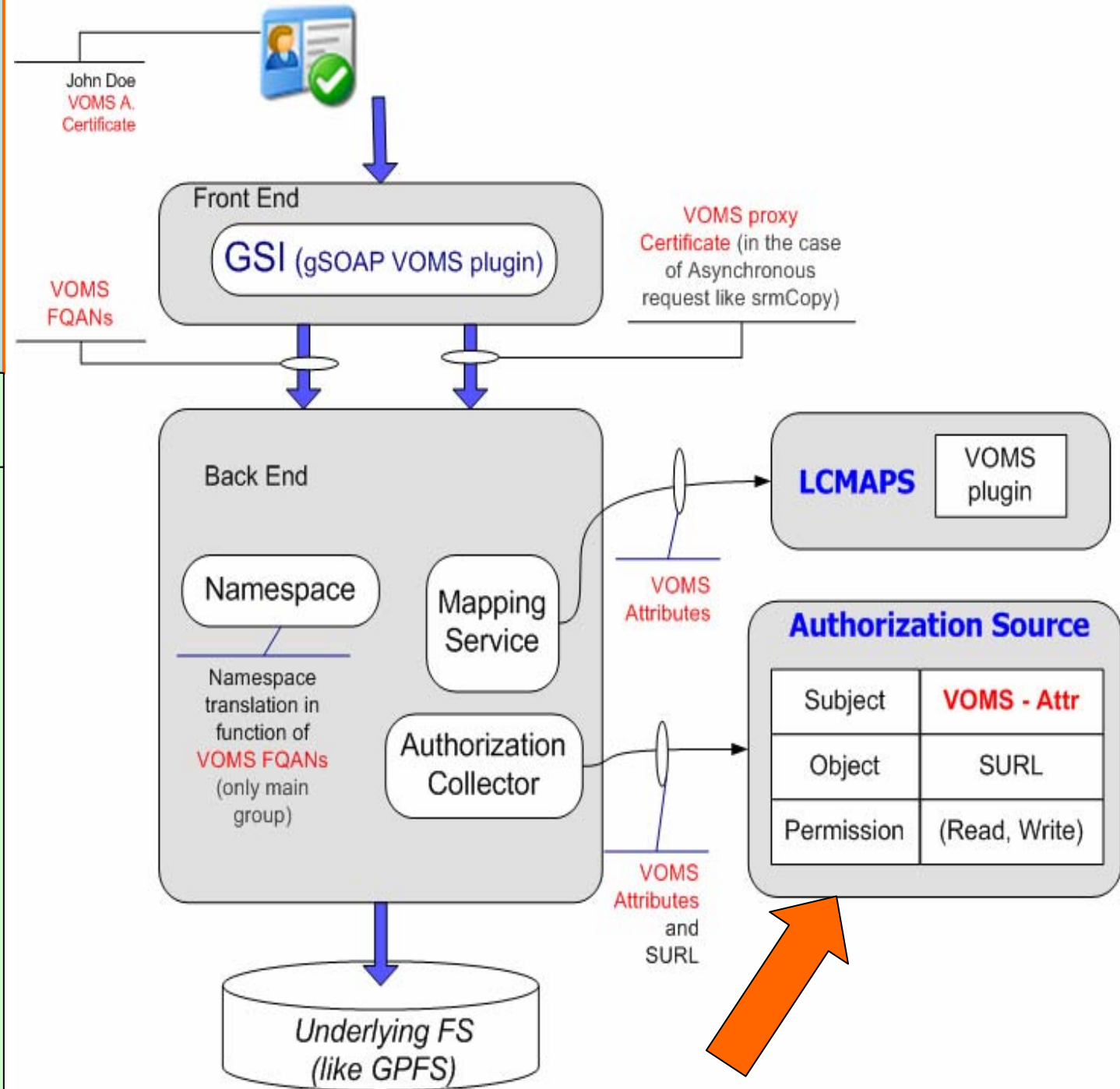


StoRM VOMS Attribute Utilization

Description

Authorization in StoRM is based on external AuthZ sources combination (made by AuthZ collector).

AuthZ source can be LFC, but other sources are also accepted



Further information:

- <http://storm.forge.cnaf.infn.it>