

CAR, StAR and OGF



Jon Kerr Nilsen/Univ. of Oslo

UR-WG co-chair

EMI is partially funded by the European Commission under Grant Agreement RI-261611

- The UR-WG in OGF is working on a UR2.0
- UR2.0 will consist of blocks for
 - Record identity
 - Subject identity
 - Resources (Compute, Job, Storage, Memory, *Network...*)
- The blocks are made as general as possible, no grid specifics
- StAR (Storage) and CAR (Compute, Job) are important sources for UR2.0
- Tight loop with OGF and EMI
 - UR2.0 is updated while CAR and StAR develops

- UR-WG recently went through all of CAR to update the Compute and Job blocks
 - Very nice source as it's more up-to-date than UR1.0
- Found a couple of issues
 - Most of them quickly fixed by Andrea in the latest version
- Two open issues/questions remains

- Two open issues/questions remains

- 1.Infrastructure element: How should it be used?

- EGI profile suggests that this should contain the infrastructure where the resource was used (EGI/OSG/...)
- CAR itself suggests it should be the middleware

- 2.GlobalUserName

- In StAR this just a globally unique string (which could e.g. be an X500 identity)
 - The specifics are left to the different profiles on top of StAR
- CAR REQUIRES RFC2253 OR OpenSSL Compatibility format
- Perfectly valid intentions
- However, a record definition might be more useful/less subject to change if specifics are left to profiles

StAR update (again)



- Recently StAR updated
- Yet some guy from dCache keeps finding bugs
- StAR issue:
 - StorageAccountingRecords (note the 's' at the end) was intended be a container for multiple StorageAccountingRecord containers
 - To have the possibility of publishing several records at once
 - Unfortunately, due to some unfortunate wording StorageAccountingRecords MUST be empty
 - Will not be a problem for UR2.0, but will require an update in StAR