

# ARC information in the (top) BDII

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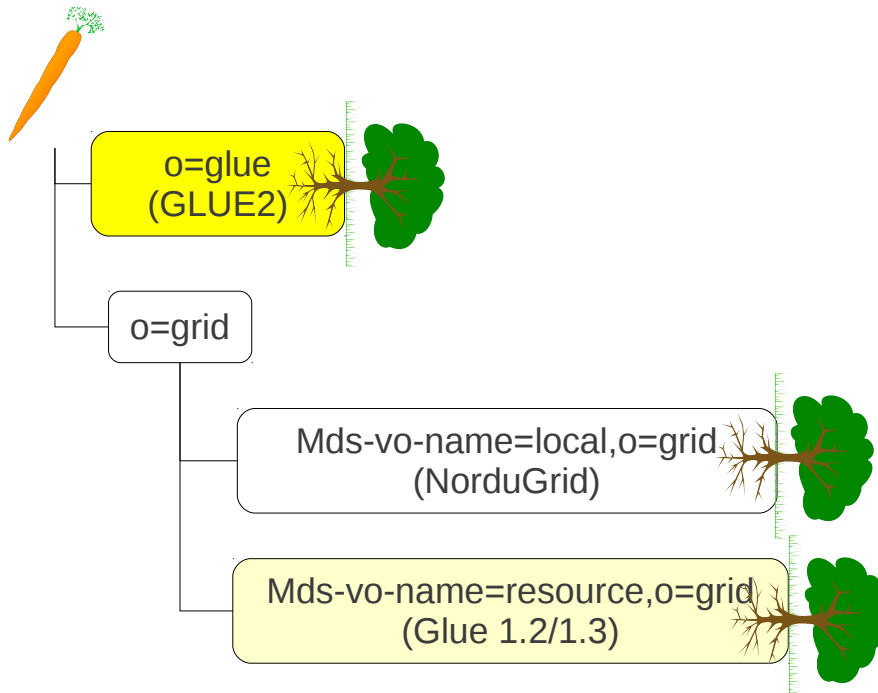
ARC Middleware

Lund University

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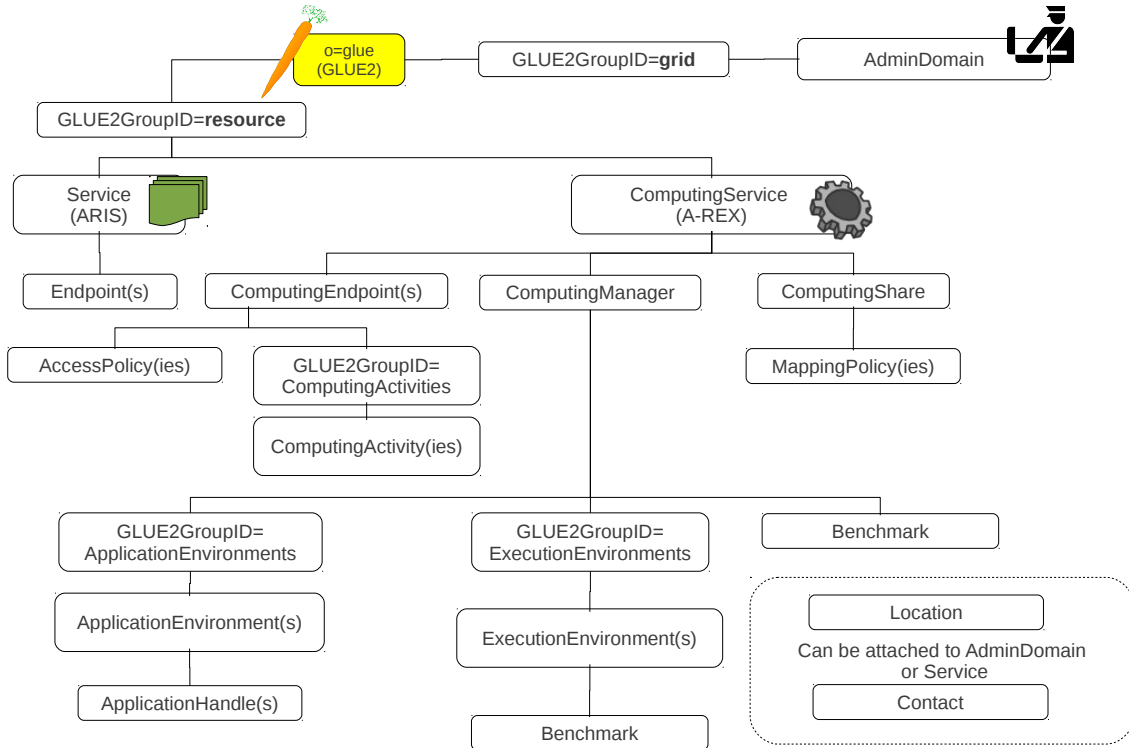
- ARC GLUE2 Implementation: choices in the LDIF/LDAP rendering
- Trees and top-bdii: a comparison
- LDIF vs XML: the closer the better

# ARC LDIF tree

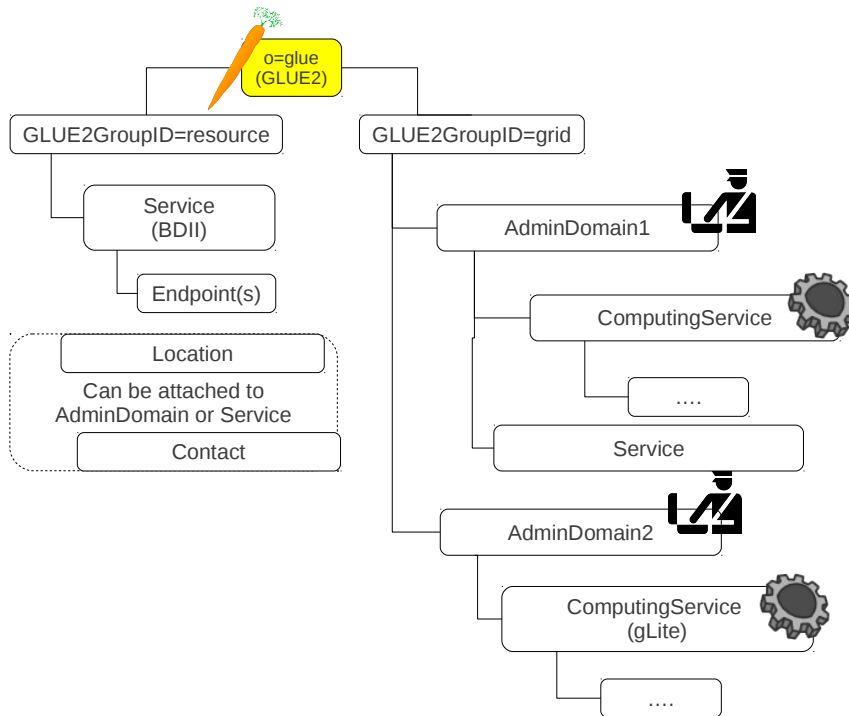


- Separate administrative objects from computational/storage
- Group when number of objects might be big
- Seek global uniqueness and persistence in object Ids

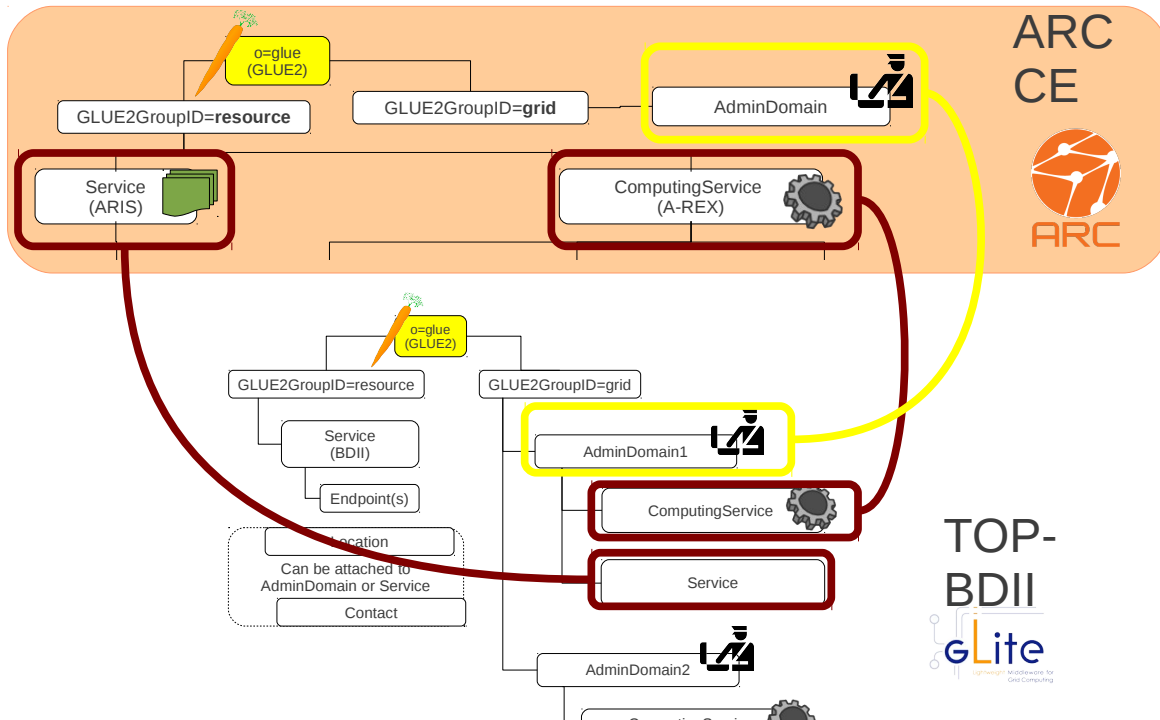
# ARC GLUE2 resource level LDAP tree



# TOP-BDII LDAP tree



# ARC in top-bdii: A possible merge...



# ... but not yet possible

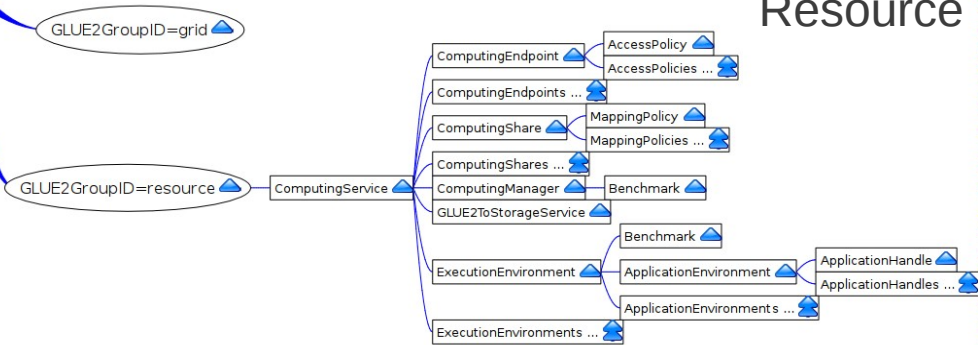


- A custom script gets a list of URLs from GOC DB
- For the script to work properly, ARC tree needs to be changed, breaking our choices
- Currently the aggregation process reshuffles branches and admin domains in a non intuitive way for us
- It seems that “trees matters”-- not possible to rely on ForeignKeys



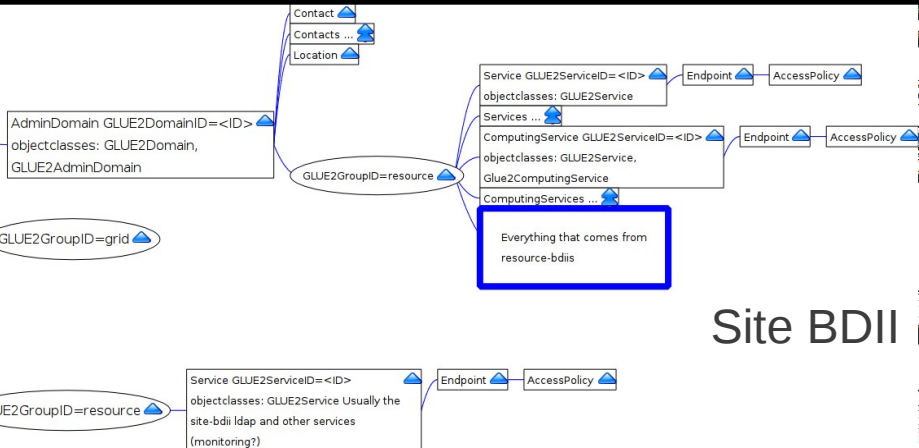
# Other trees

o=glue



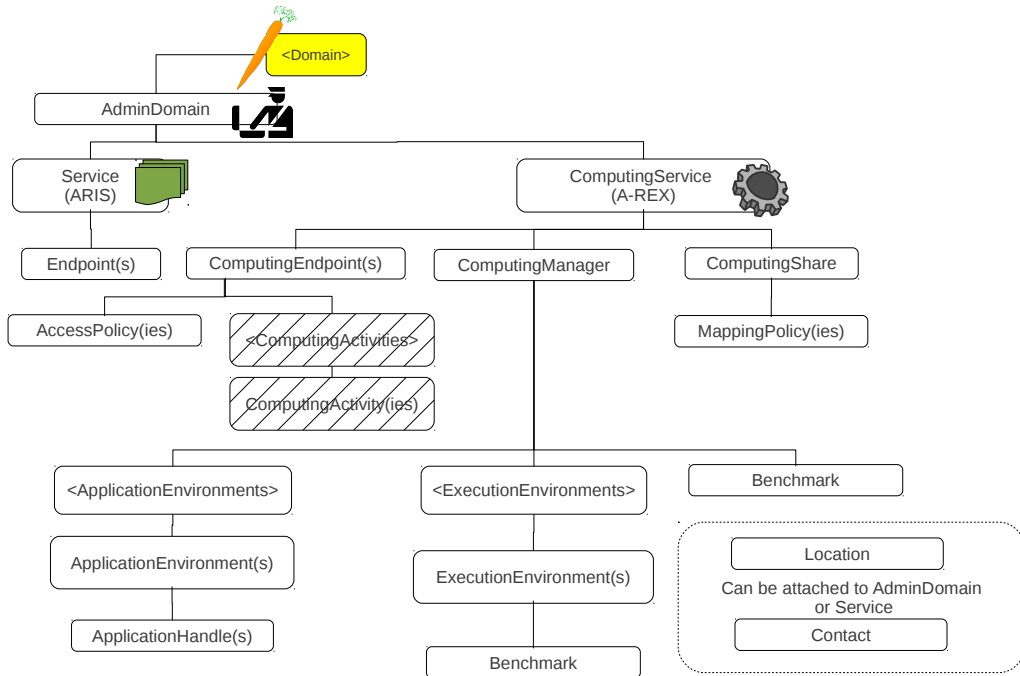
## Resource BDII

o=glue



## Site BDII

# ARC GLUE2 XML



# Summary of LDIF vs XML



- No GroupID=resource or GroupID=grid in XML
- AdminDomain child of Domain, that doesn't exist in LDAP
- No grouping for services in XML in the latest version

# Some proposals



- Change the name *resource* to *services*
- Add a grouping for Services in XML. They might grow in the future!
- Make XML and LDIF similar (making developers has life easier)
- Separate administrative side from computing
- Enforce the use of LDAP features: it's good that tree matters, but let's use it in a smart way, no need to rely completely on foreignkeys

# Some open questions



- Is a domain really unique? Can't a CE belong to more than one admindomain?
- Unknowns: how to calculate UserDomains?

# Wishlist for today



- Define once and for all an agreed tree structure
- Define a strategy to have ARC in the top-BDII cache
- Plan a simple mapping between XML and LDAP, better if no mapping