

# OSG Site Coordination Meeting

## **CRL distribution**

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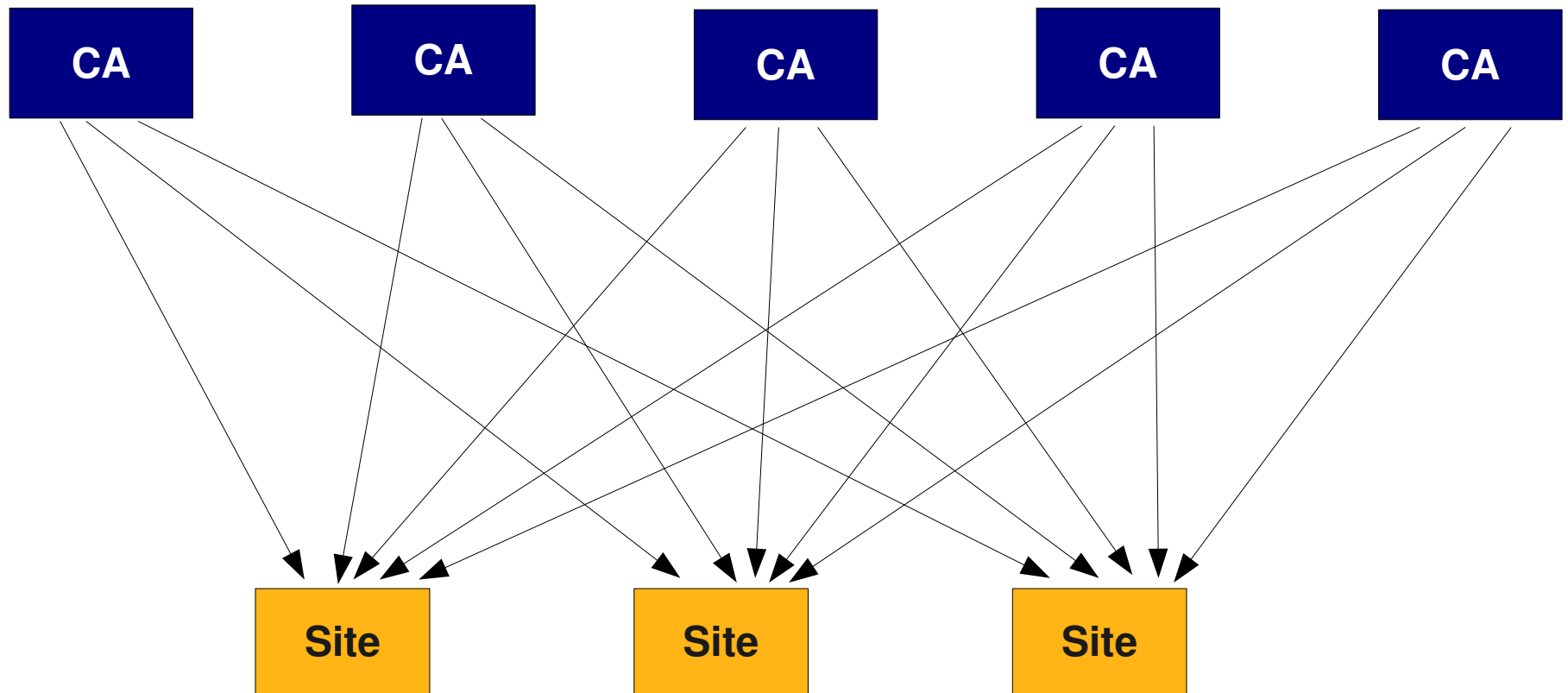
# Why am I here?

- Some sites are complaining that they have problems downloading the needed CRLs
- Would like to understand how widespread is the problem, and
  - If we need to do something about it
  - Present you a possible solution

# Why is this a problem?

- CRLs are the fundamental building block of Grid (x509) security
  - Not the only one, but still...
- CRLs has an expiration date
  - So they need to be renewed often
- If the CRL needed to check the proxy is expired/invalid, the proxy will be rejected
  - Easy to blacklist an entire community!

# CRLs renewal today



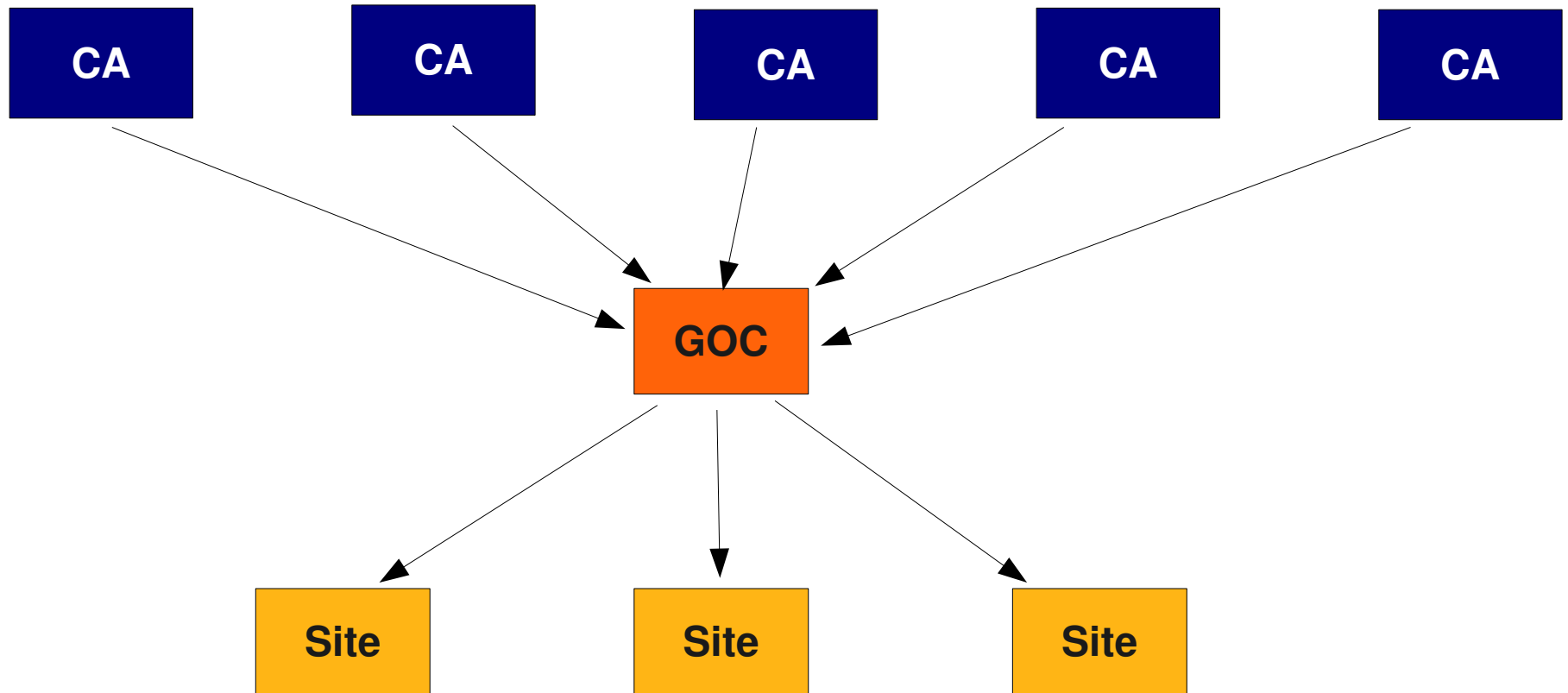
# What can go wrong?

- Network problems at site
- Network problems at CA
- Routing problems between site and CA
- CA overload
- CA operational issues

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# Possible solution



# What can go wrong now?

- Network problems at site
- Network problem at GOC
- Routing problems between site and GOC
- Network problems at CA
- Routing problems between GOC and CA
- CA overload
- CA operational issues
- GOC operational issues



# Summary

- Is this really a problem for most of the sites?
- Should we look at the alternative?
  - Has pros and cons