

PKI Implications for AMI Networks

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Your Presenters



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Agenda

- Overview of PKI and AMI
- Certificate Authority Management Issues
- Key Management Issues
- Certificate Management Issues
- Remediation Challenges
- Current Trends in AMI Security
- Recap / Q&A

PKI Overview

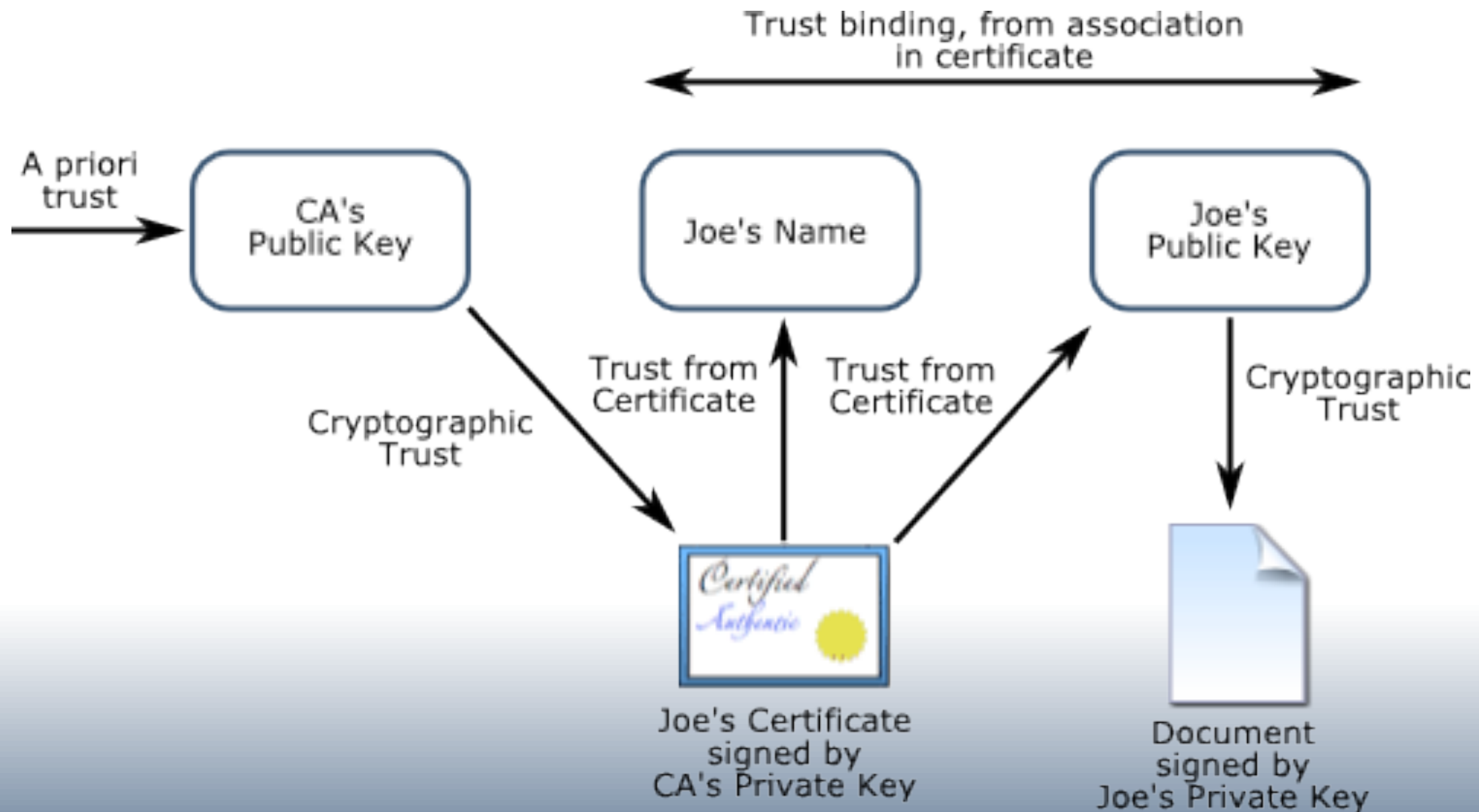
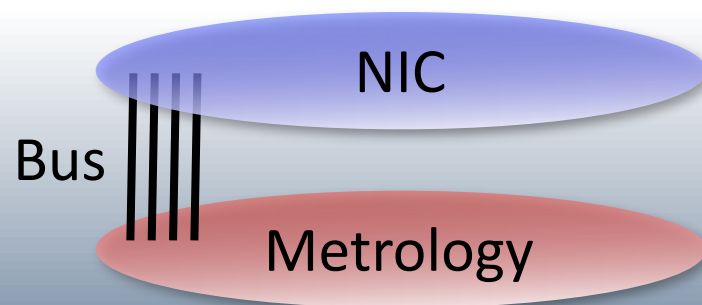
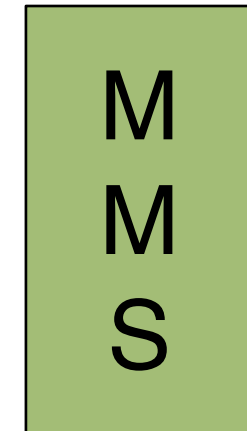
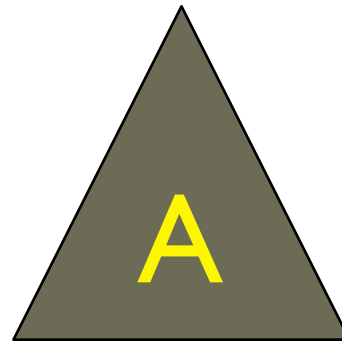
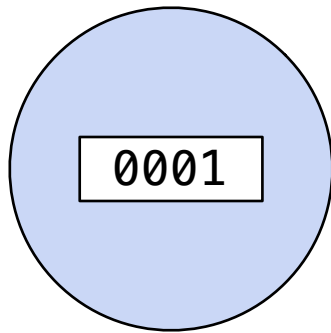
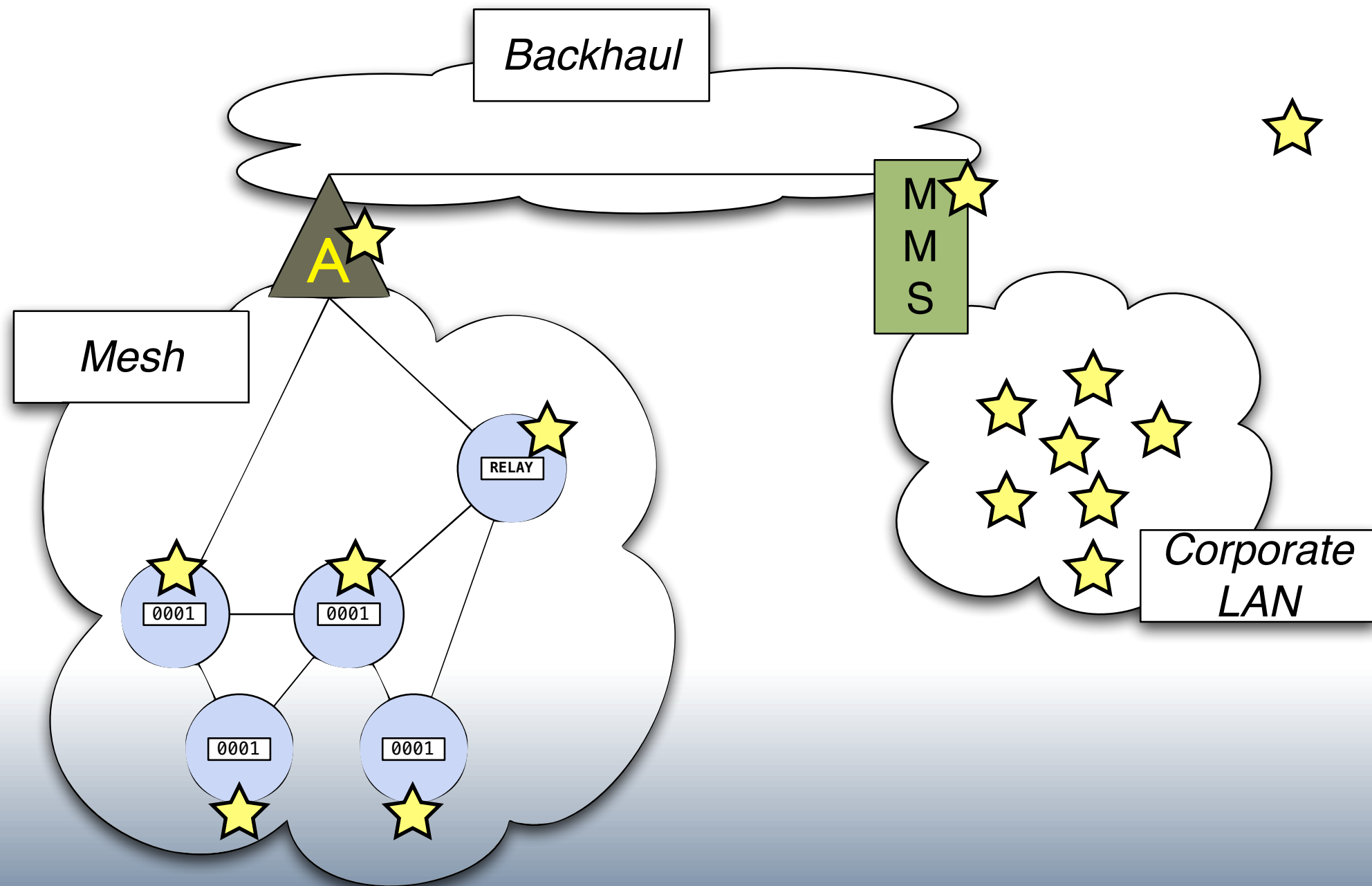


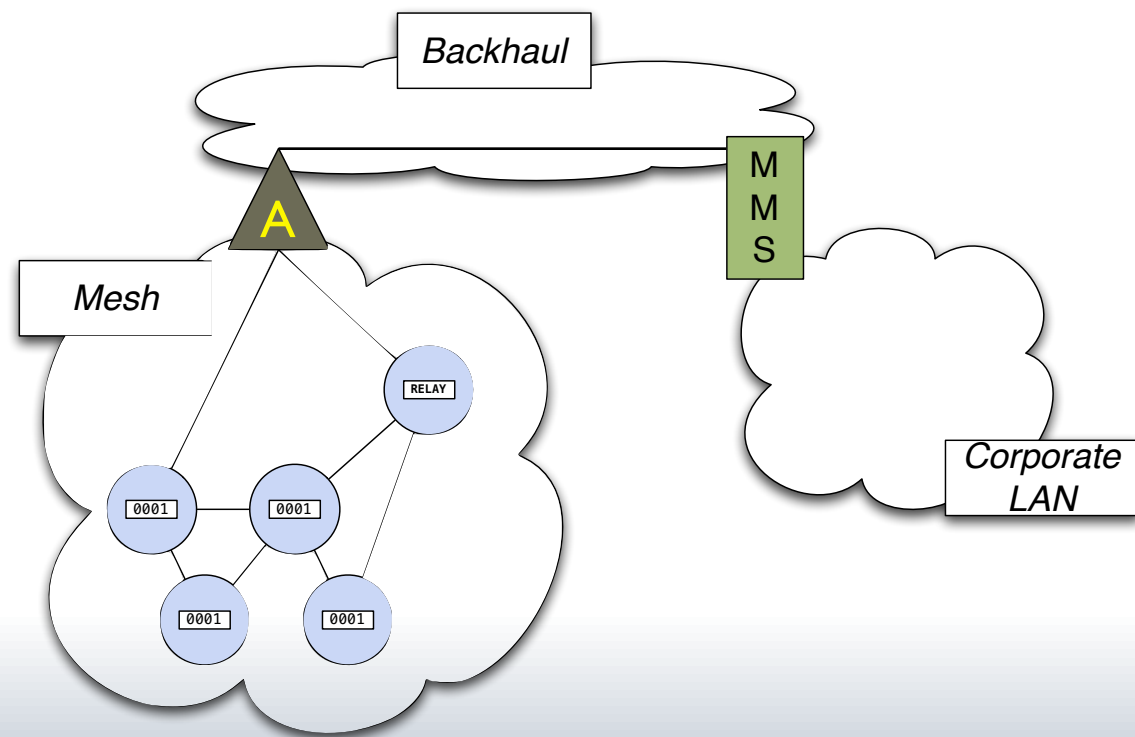
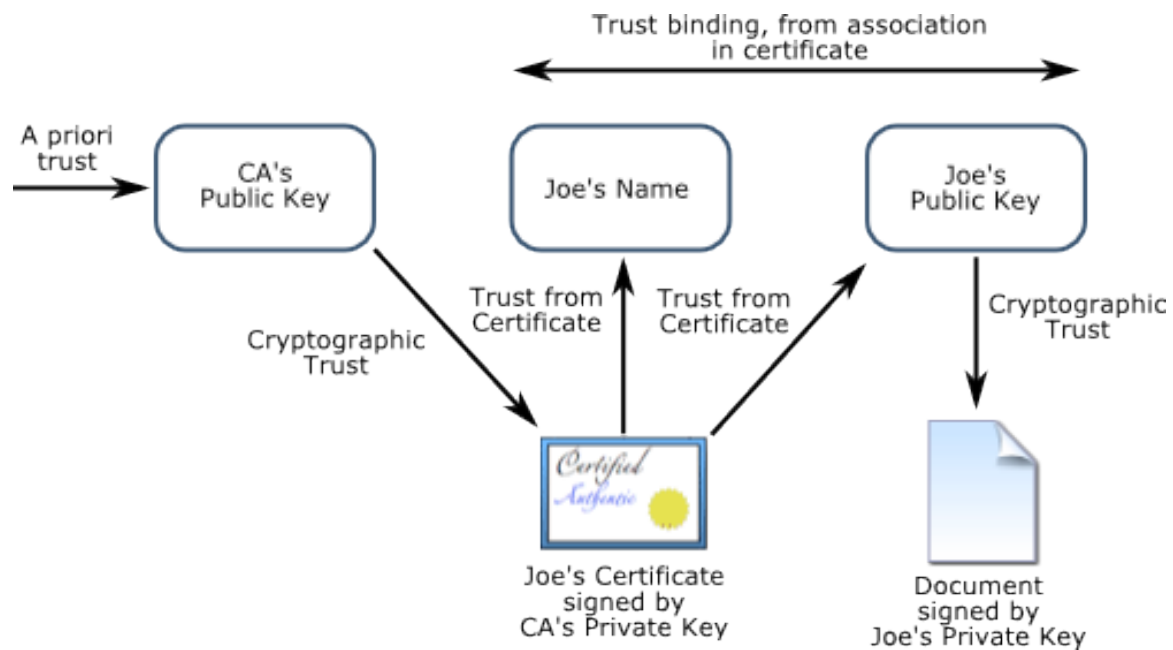
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AMI Components

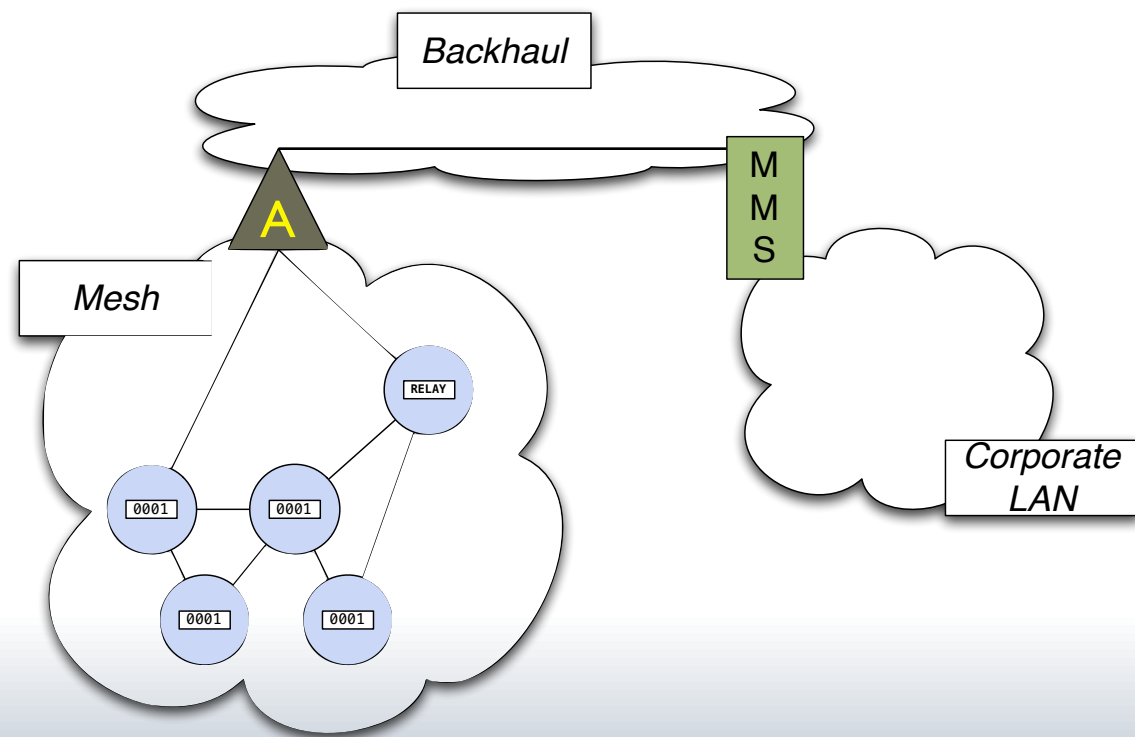
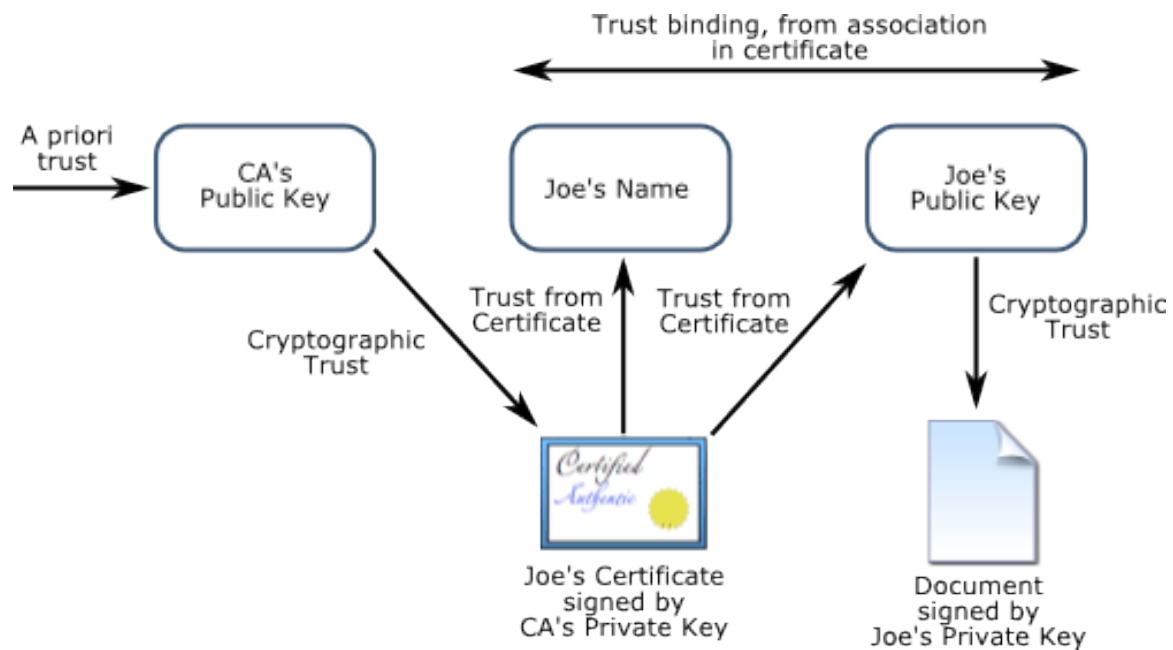


AMI Network

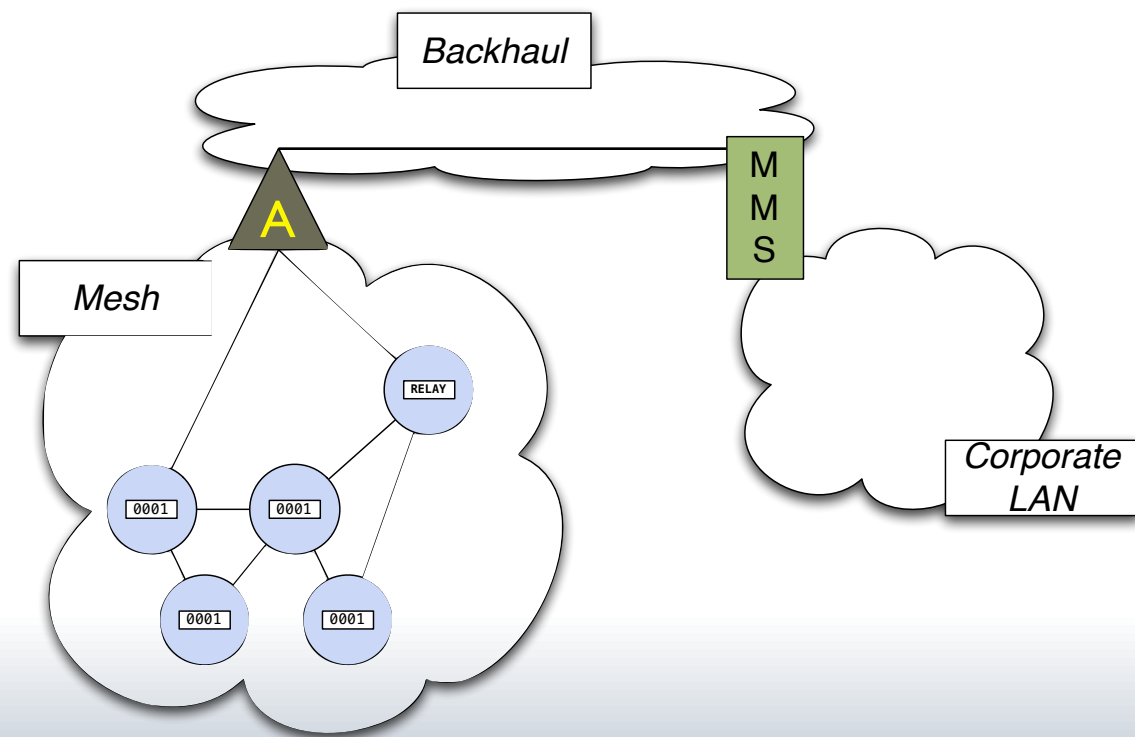
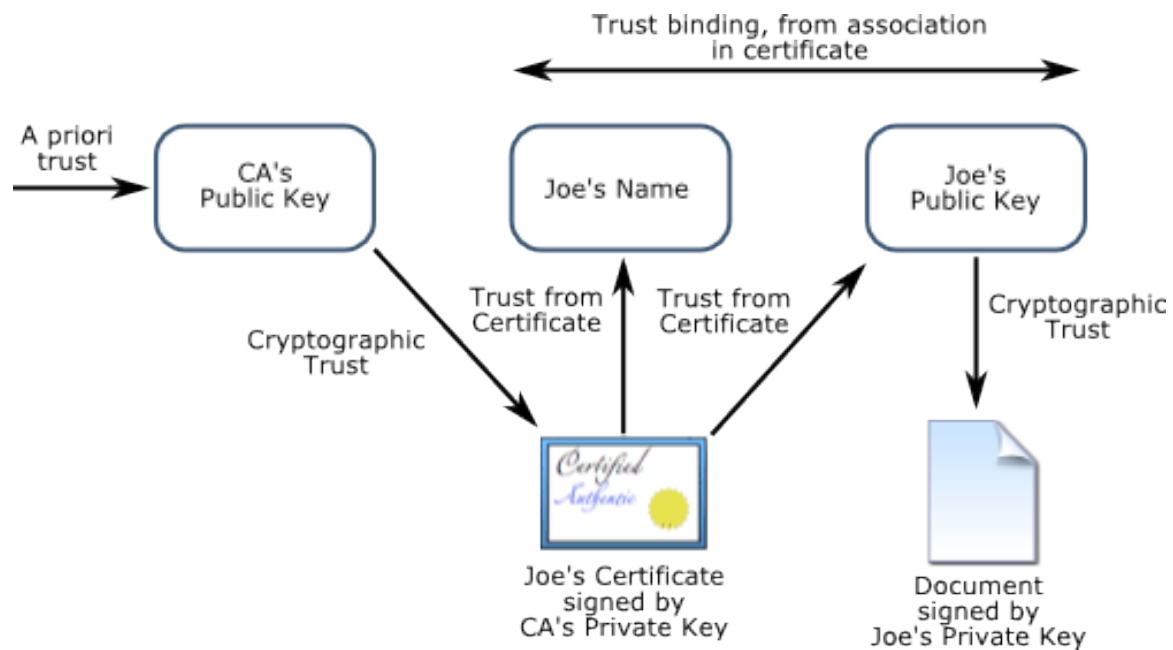




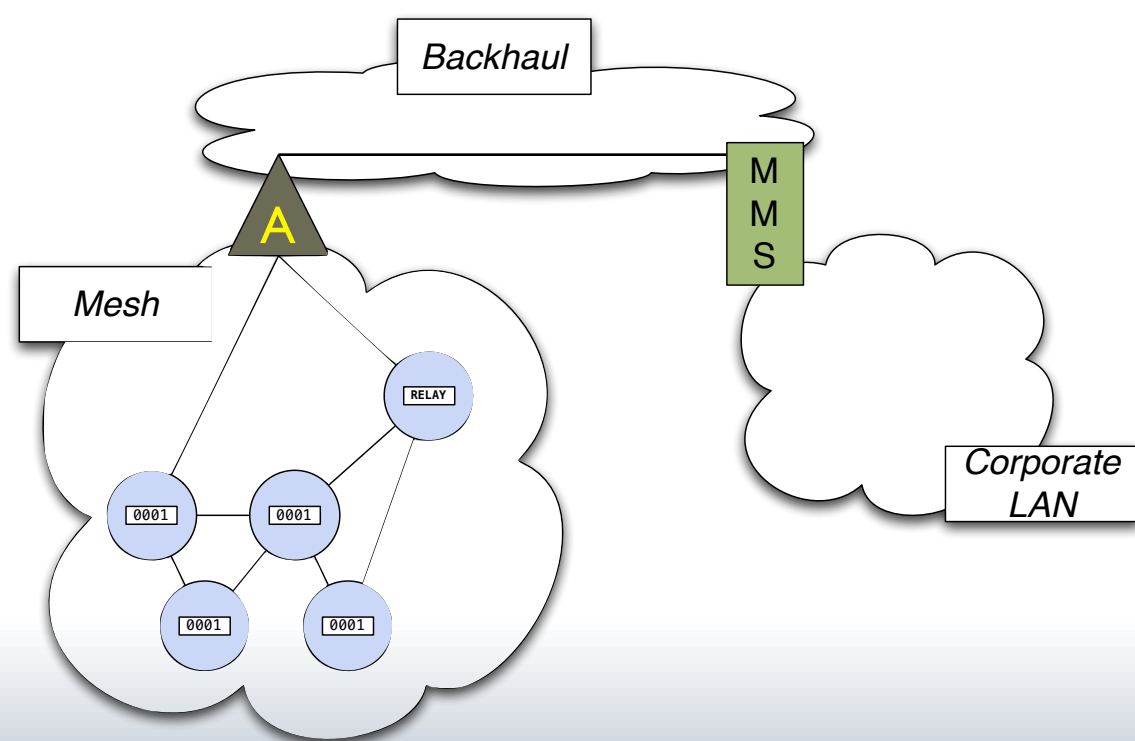
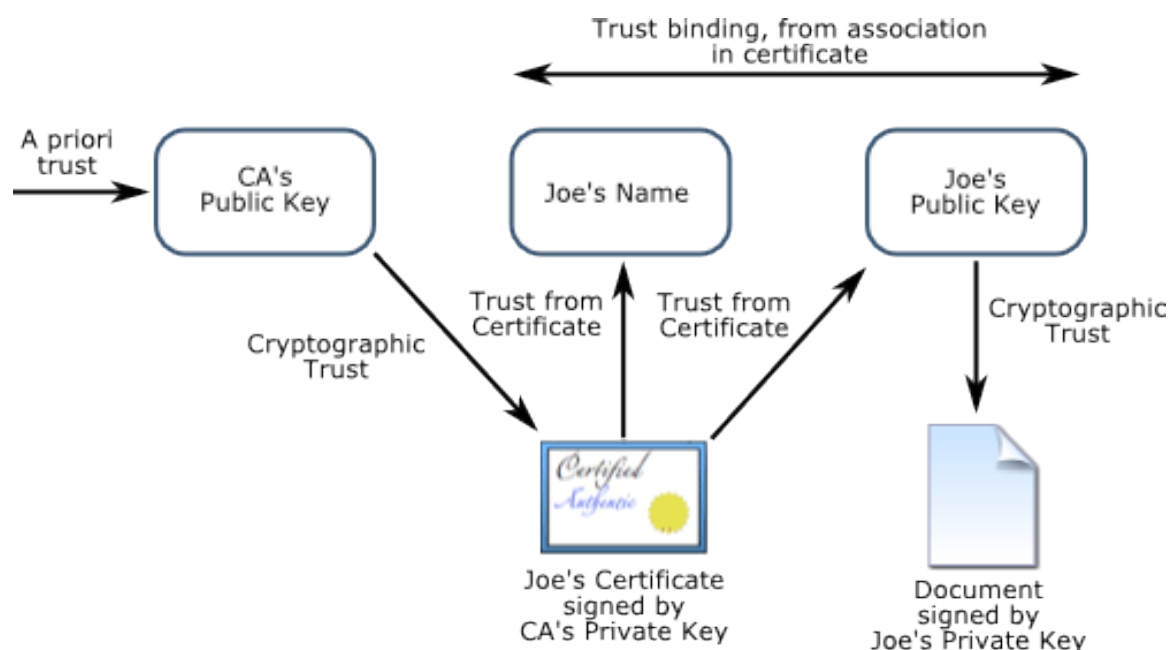
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 - CA Root Compromise
- Key Management Issues
 - Revocation
 - Key and Credential Storage
- Certificate Management Issues
 - Certificate Processing Concerns
 - Certificate Hierarchy Concerns



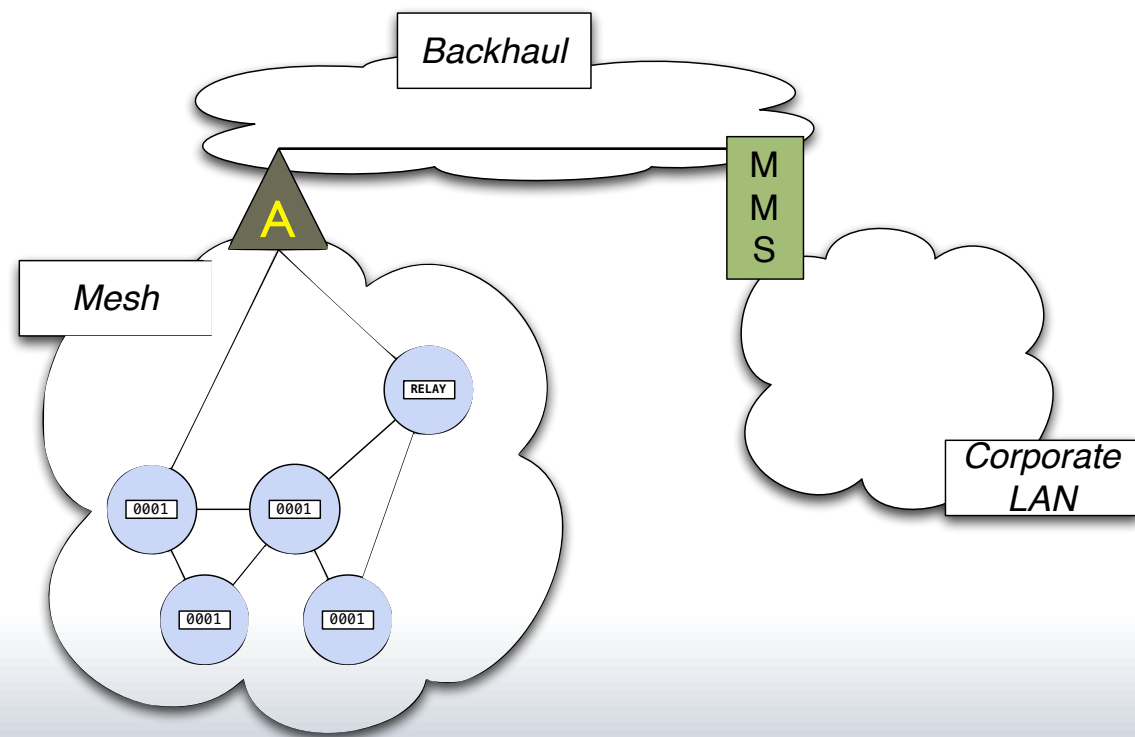
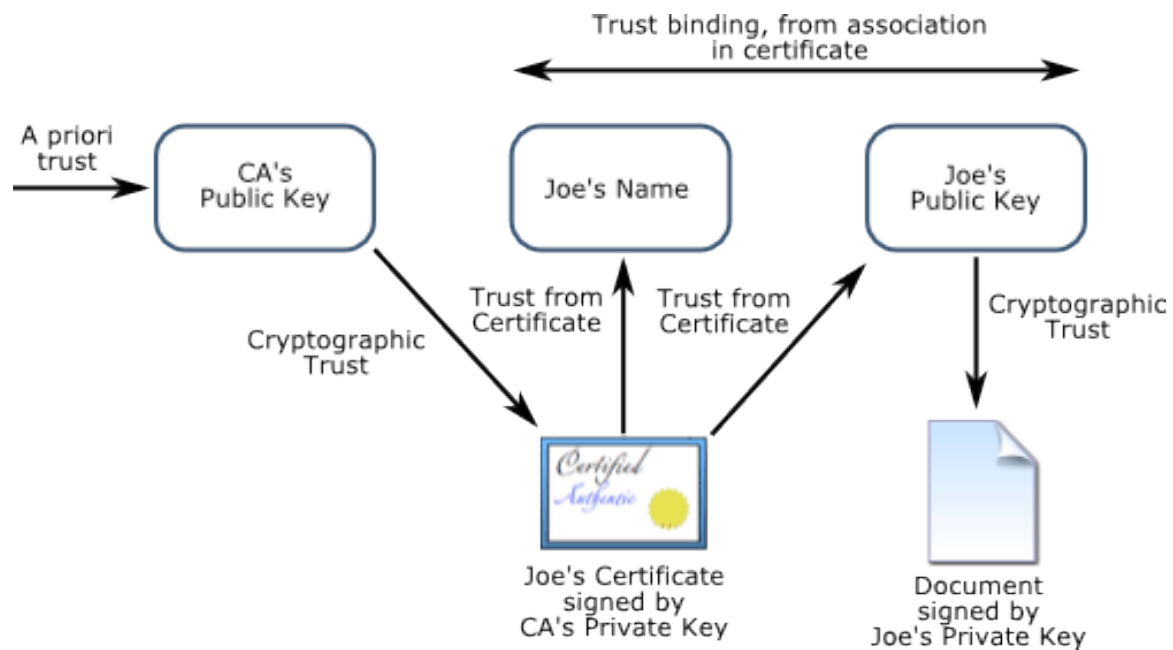
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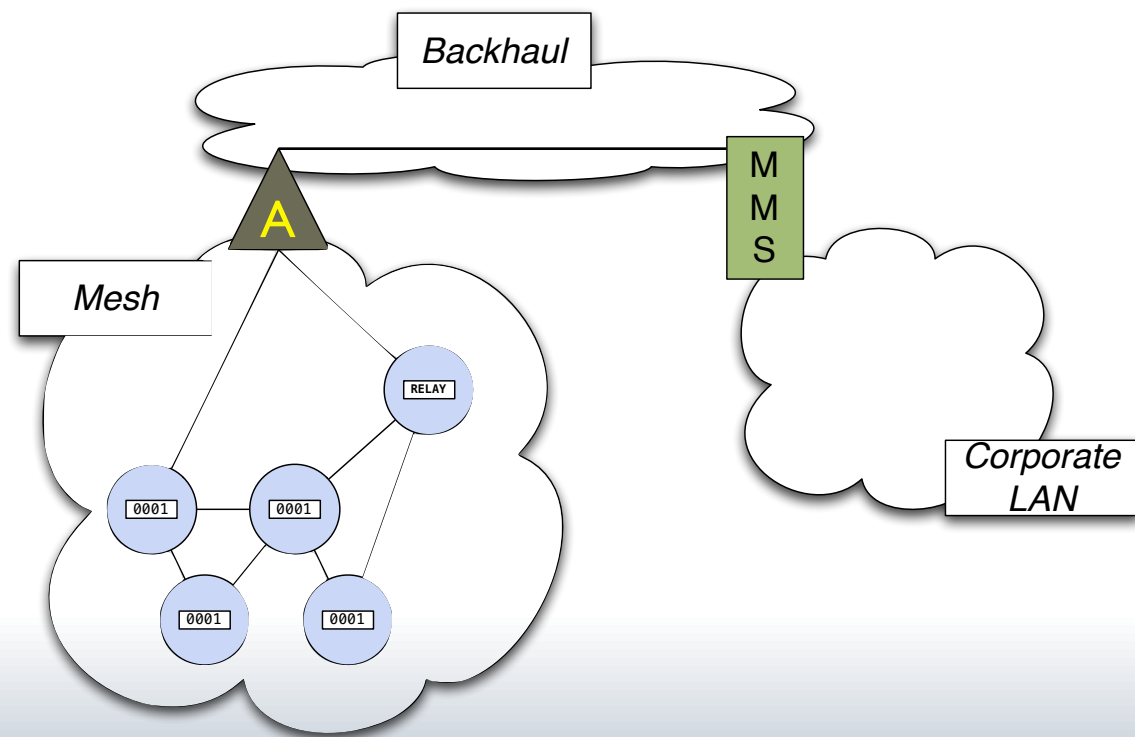
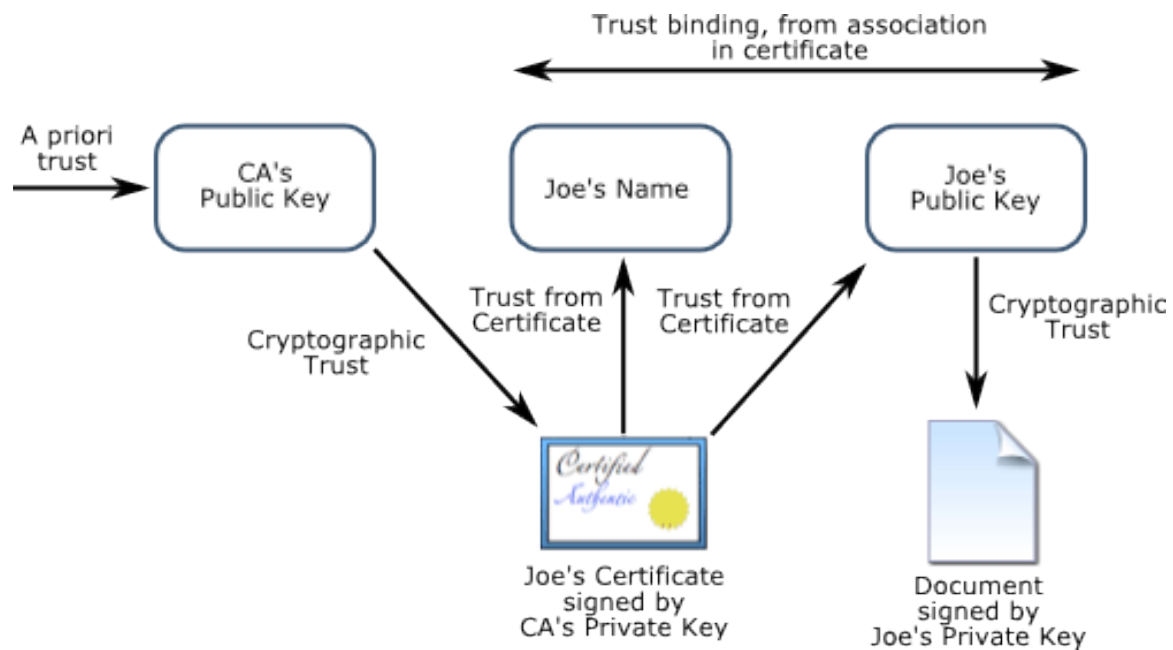
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Remediation Challenges

Current Trends in AMI

Recap

- PKI is currently our gold security standard, but it is not invincible
- Not all PKI systems are alike or equally secure.
- Implementation flaws are common in PKI components
- Storage of PKI credentials is a major weakness
- Understanding and management of PKI systems is extremely important to an organization's overall security
- MORE: <http://grids.ec/pkisecurity>

Q & A