

CertCoalesce: NDN Certificate Pools

- **Leaders:**
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- **Summary :**
 - Novel design to efficiently manage virtually unlimited pools of public/private keys and certs
 - Single base (“Caterpillar”) private key and cert request
 - Independent secure derivation of unlimited sets of
 - private keys, public keys, and certificates
 - **Potential uses**
 - Save storage on constrained devices
 - Experiment with ultra short term keys (hours or minutes)
- **Tasks :**
 - Based on initial skeleton, sync up to the proposed design
 - Create a python package
 - Create a simple demo and write (interactive) documentation
- **Required Knowledge :**
 - Python and basic math skills
- **Expected Outcome :**
 - A working Python package, simple demo, and initial skeleton of documentation

