

CMP Over CoAP Transport

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Introduction

- Lamps WG is working on improving CMP according to the new use cases notably for industrial and iot device. These are the drafts in progress:
 - Certificate Management Protocol (CMP) Updates
 - Certificate Management Protocol (CMP) Algorithms
 - Lightweight Certificate Management Protocol (CMP) Profile
- For constrained devices, CMP can be used more efficiently over CoAP transport instead of traditional HTTP/HTTPS.
- Since CMP itself is transport protocol agnostic and can be transported over CoAP too, this draft intends to provide guidelines for using CoAP transport.
- In general this draft follows RFC 6712 (CMP over HTTP).

Key Features

- Service Discovery
- CoAP URI Formats
- CoAP Request Response Formats
- New Content Type for CoAP (application/pkixcmp)
- Use of Block Transfer Mode to Avoid IP Fragmentation
- Using CoAP over DTLS
- CoAP to HTTP/HTTPS Proxy for Integrating With Existing Infrastructure

Questions?