CORECONF

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CORECONF in a nutshell

- Like NETCONF/RESTCONF, but enables use with constrained devices
- Uses CBOR instead of JSON or XML
- Uses globally unique 63 bit unsigned numbers — SIDs — to compress YANG item identifiers
- Uses CoAP instead of HTTP (“CoMI”)

- In other environments, part of the whole suite might be useful
People

Authors: See slide 1

Document Shepherd: Carsten Bormann

CoRE WG chairs: Jaime Jiménez, Marco Tiloca

Responsible AD for CoRE WG: Barry Leiba
Documents

- draft-ietf-core-yang-cbor-12: YANG in CBOR
- draft-ietf-core-sid-12: SID concept and allocation process
- draft-ietf-core-comi-09: Mapping to CoAP
- draft-ietf-core-yang-library-01: constrained version of RFC 8525
Next steps

Resolve open issues:

- Prepare SID system for eventual change of YANG semantics [JS]
- Effect of CORECONF on other I-Ds
- Early allocation in SID draft
- CoMI and yang-library security considerations/access control
- Naming (CORECONF vs CoMI vs something else)
Timeline

To be discussed!

Likely:

- Authors process comments
- Second WGLC
- Ship to IESG end of April