Dynlink and Conditional Attributes

IETF 111 July 2021
Core WG
Latest developments

• After discussion with AD, Chairs and authors, Dynlink draft version 13 was split into two WG drafts
  • draft-ietf-core-dynlink
  • draft-ietf-core-conditional-attributes

• Continuing to incorporating feedback received for updates, corrections and clarifications
Why the changes?

• While conditional observe attributes are now ready for some time, the section on link bindings and binding tables still under development particularly in relation to other work such as CoRAL

• OMA’s LWM2M specs has a dependency to Dynlink, but purely to the conditional observe attributes and not the link bindings

• Work on conditional attributes is almost finished

• Separating into 2 drafts will allow core-conditional-attributes to proceed rapidly towards RFC without creating pressure on link bindings
core-conditional-attributes-00

• Available at https://github.com/core-wg/conditional-attributes
• Impact on behaviour from the possible presence of (multiple) proxies
  • This will be added into Implementation Considerations
• Text for possible security considerations will be added to -01
• Update reference code for server processing of Conditional Attributes
  • Include also a state machine to describe server-side processing, for example
    with epmin and epmax
• Other changes as needed
• Reviews are always welcome!
• Then ready for WG last call
• Shortcomings seen with using CoRE Link Format for describing link bindings in binding table
  • Exploration is still needed for better technique to describe link bindings
• Dynlink-15 will address these and evolve to include more examples and usage cases
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Thank you!