# draft-ietf-core-dynlink

IETF 108

# Dynlink Changelog from versions -08 to -11

- Draft restructuring: introducing the observe attributes first, then dynamic links and then the binding table implementation
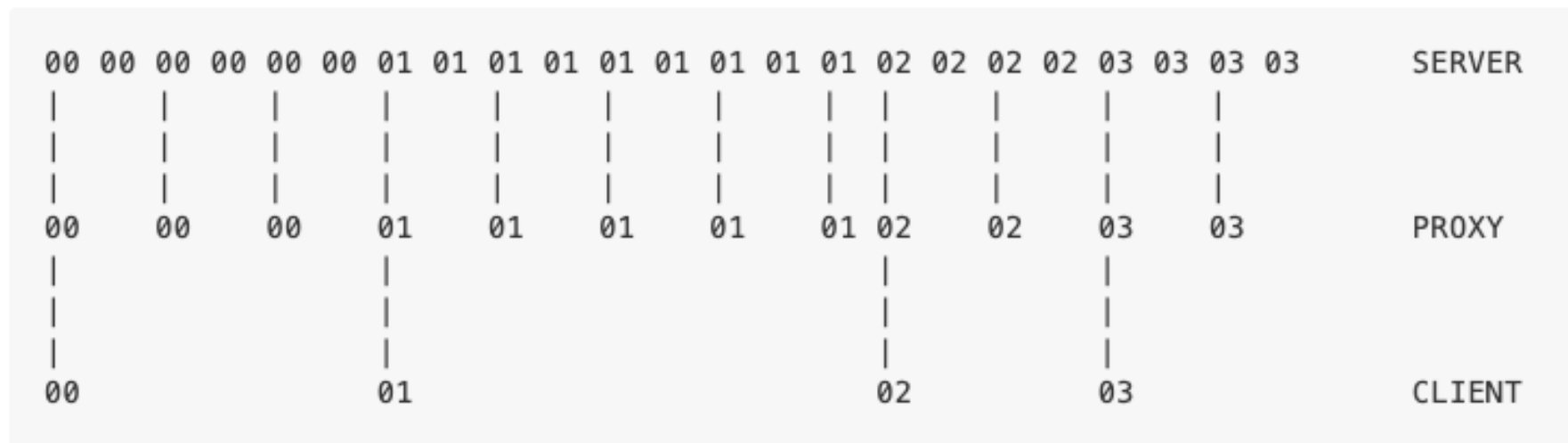- Incorporating feedback received for updates, corrections and clarifications

# Dynlink Ongoing Discussions (1/3)

- Draft -11 currently discusses notifications arising from setting the observe attributes in terms of reporting values and message transfers
- Substantial editorial changes will be performed to alter the language in order to reflect notifications as RESTful state changes and state transfer

# Dynlink Ongoing Discussions (2/3)

- The correct behaviour of pmax is affected by the existence of proxies

We set a conditional observation with `pmax=2` seconds.

```
00 00 00 00 00 00 01 01 01 01 01 01 01 01 01 02 02 02 02 03 03 03 03     SERVER
 |     |     |     |     |     |     |     | |     |     |
 |     |     |     |     |     |     |     | |     |     |
 |     |     |     |     |     |     |     | |     |     |
 00    00    00    01    01    01    01    01 02   02    03    03        PROXY
 |           |                             |      |
 |           |                             |      |
 |           |                             |      |
 00          01                            02     03                    CLIENT
```

- Letting pmax influence the server's Max-Age is the current working consensus

# Dynlink Ongoing Discussions (3/3)

- There is a proposal from OMA LwM2M to support 2 new attributes, epmin and epmax:

*The "Minimum Evaluation Period" (epmin) and "Maximum Evaluation Period" (epmax) values can be used to configure the device to perform reporting evaluations. After the expiry of epmin, the device MAY immediately perform an evaluation per the "Notification Conditions" above. After the expiry of epmax, the device MUST perform an evaluation per the "Notification Conditions". If both the epmin and epmax attributes are defined, the epmin must be less than the epmax."*

- The discussion can be found at https://github.com/core-wg/dynlink/issues/18
- Comments from the working group?

# Dynlink Next Steps

- Draft -12 will reflect editorial changes to reflect state transfers when conditional observation attributes are used on a resource

- Future drafts will address pmax, epmin and epmax

- A small discussion group will convene after IETF 108 using Jitsi. Please let authors know if you would like to receive an invitation to join