

Management proxies for ccA

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Current definition in IEC/IEEE 60802 Draft 3

6.4.5.5 Management proxies

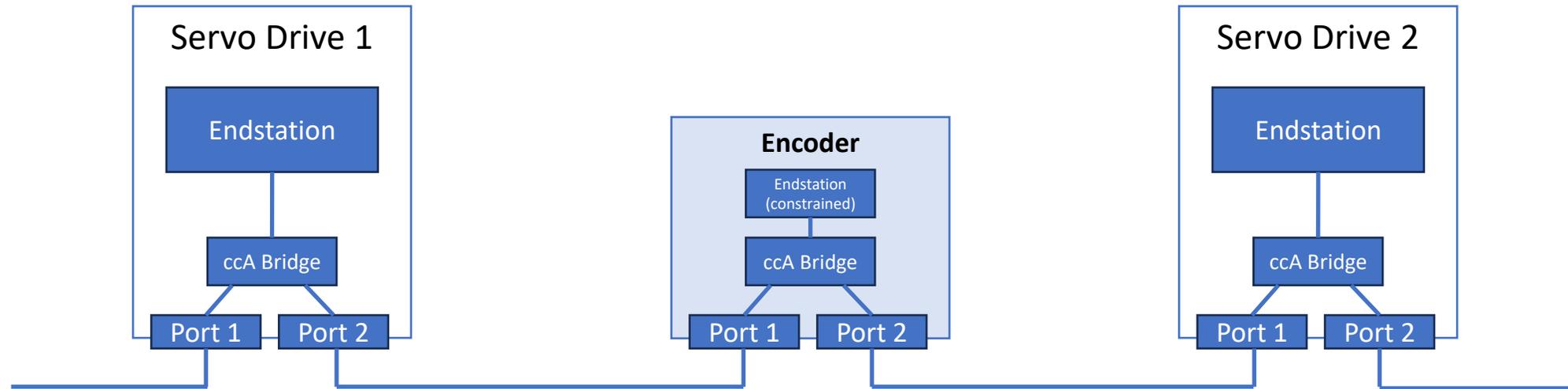
6.4.5.5.1 General

Implementing NETCONF server functionality can be burdensome for resource constrained IA-stations. IA-stations which contain **only ccB Bridge or end station** components may utilize the NETCONF server of another IA-station as a management proxy. IA-stations supporting proxy functionality (proxies), maintain a list of the types of proxy functionality supported as well as the IA-stations for which they act as proxy (proxy targets). Proxy types are described in E.1.3. The information is maintained in the YANG module `iecieee60802-proxy` as described in 6.4.10.8.8.

Problem: Sounds like ccA may not utilize Management proxies

Devices with ccA-Bridges might also benefit from the concept of Management proxies and should not be excluded by the specification.

Example of constrained devices with ccA Bridges



The encoder (e.g. simple incremental encoder) contains a ccA Bridge to allow isochronous communication between the two servo drives.

The logic in the Endstation might only publish the encoder-value periodically.

Replacing the NETCONF server with a user-specific protocol would reduce the footprint of the IA Station significantly.

Thank you for your attention

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