

Interworking of GMPLS Control and Centralized Controller System

TEAS WG, IETF110

draft-ietf-teas-gmpls-controller-inter-work-05

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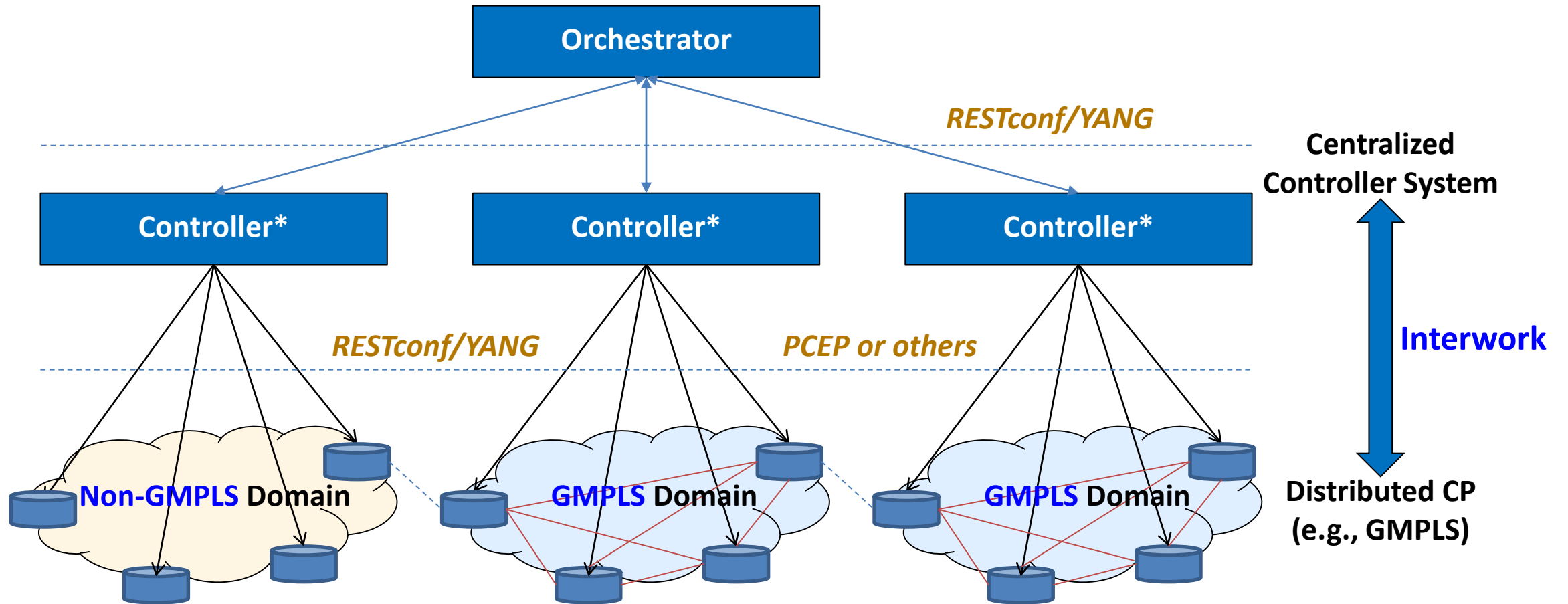
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Overview & Summary of Changes

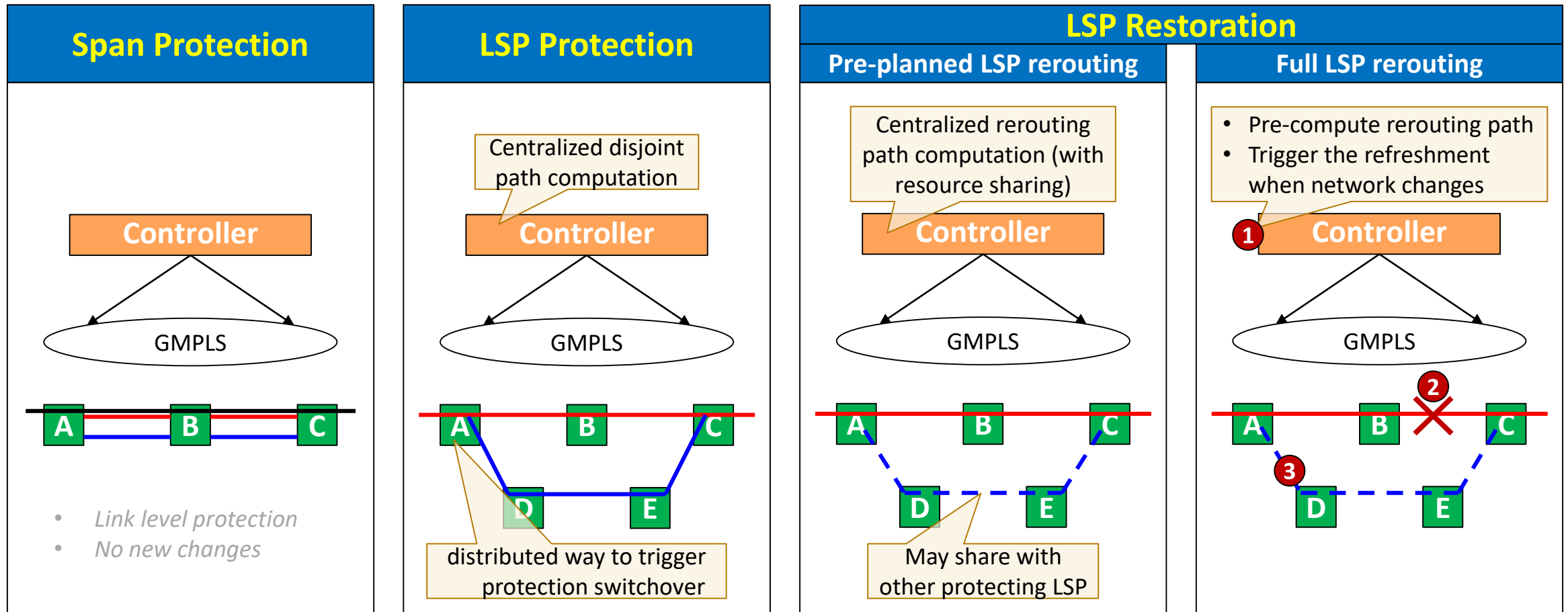
- **Overview of this draft: Describe how GMPLS distributed control plane can interwork with a centralized controller system in different scenarios:**
 - Topology Collection & Synchronization
 - Multi-domain Service Provisioning
 - Multi-layer Service Provisioning
 - Recovery
 - Controller Reliability
- **Main Changes (04 --> 05):**
 - Added the description about LSP recovery in GMPLS <--> Controller interworking scenario

GMPLS-Controller Interwork



* Controller can be any SDN controller or EMS/NMS

GMPLS - Controller Interworking: LSP Recovery



- Take the advantage of **centralized path computation** (disjoint path, resource sharing, ...)
- **Distributed way** to enable **faster reaction** (switchover, activation, ...)

Next Steps

- **Most of the work has been finished**
- **Kindly ask the experts in TEAS WG to review on it and feedback to us, before asking for WG LC**

Thank you