

RMCAT

Application Interaction

draft-ietf-rmcat-app-interaction-01

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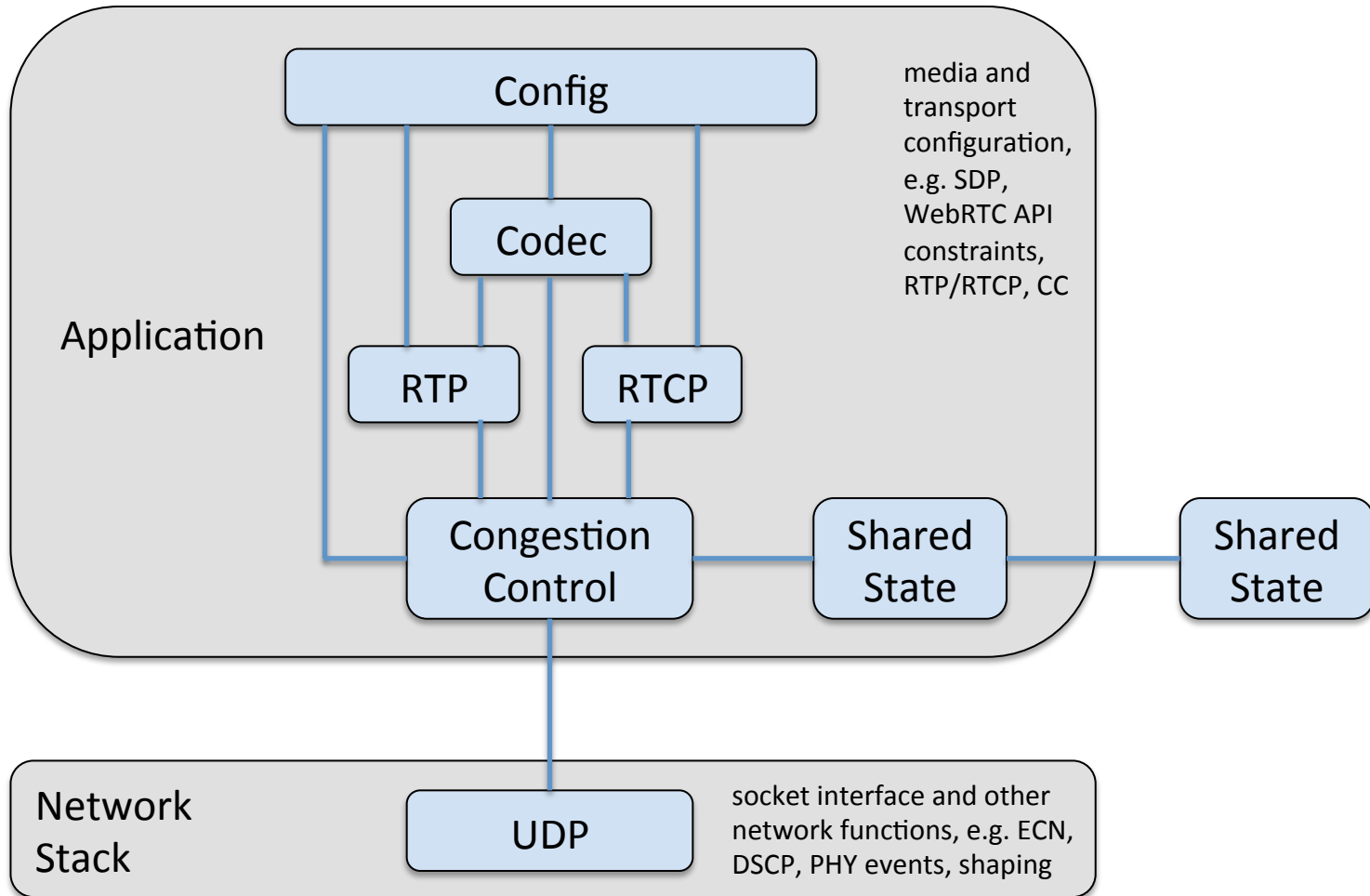
Goals

- Agree on the conceptual decomposition of RMCAT applications to describe interfaces and interactions between congestion control and other functions
- Agree on the critical interfaces and interactions
- Decide if only informative for normalizing evaluations of solution candidates, or should contain normative language for the scope and interfaces of congestion controllers

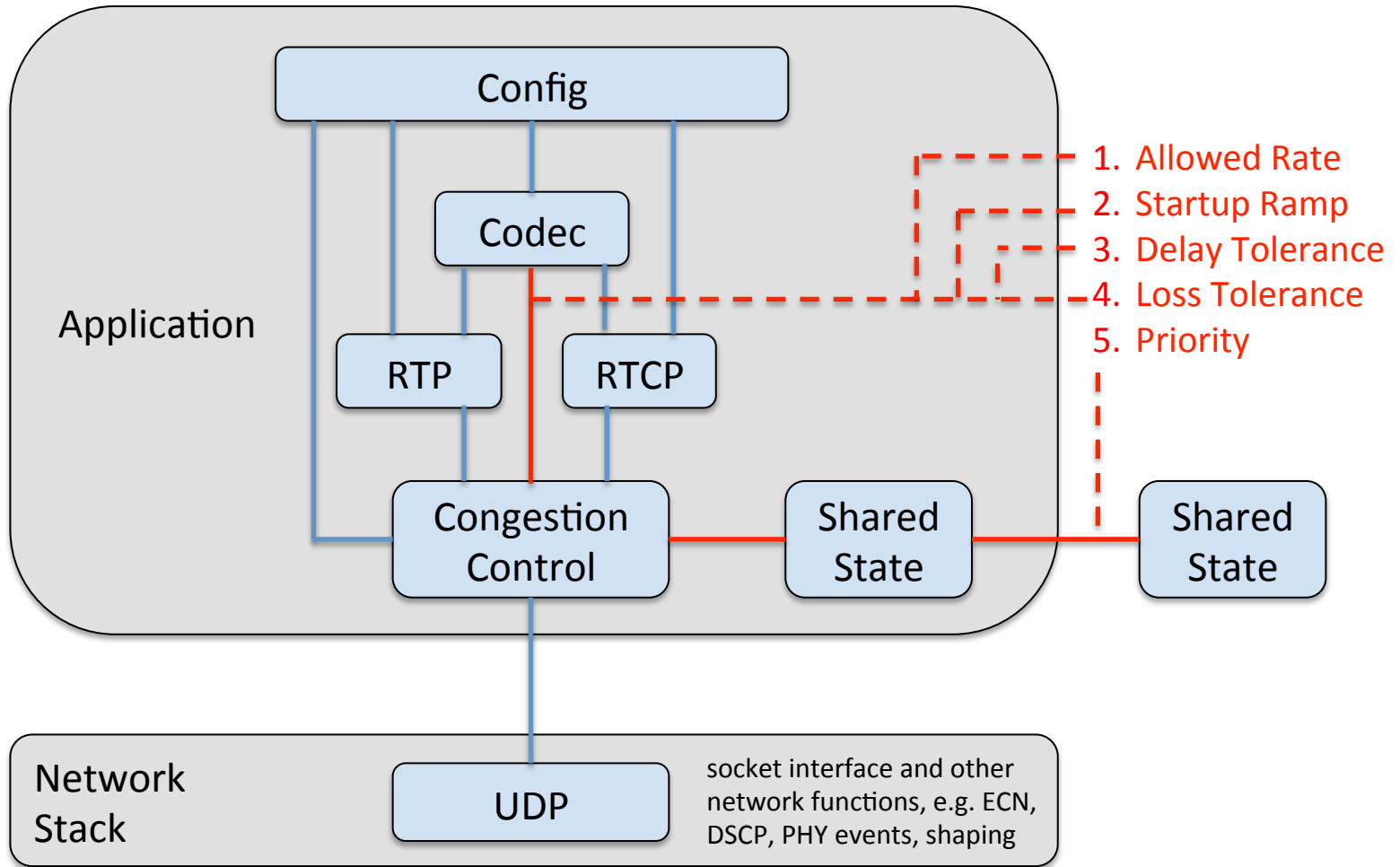
Changes since -00

- Focus on top 5 interfaces and interactions
 - Section 5 now has an overview of the top 5 interactions
 - Allowed Rate (CC-Codec)
 - Startup Ramp (CC-Codec)
 - Delay Tolerance (CC-Codec)
 - Loss Tolerance (CC-Codec)
 - Priority / Weight (Config-CC-UDP)
 - Solution candidates: Please review and provide feedback if these are the top interactions for your algorithm!
 - Sections 5.x provide further details and more interactions
- Replace OS with Network Stack
 - Acknowledge that user-space stacks are also possible

Conceptual Model



Conceptual Model - Top 5 Interactions



Open Questions

- Should the top interactions include Media Elasticity?
(range, granularity and convergence time of rate changes)
- Informative-only or normative language for the scope and interfaces/interactions of congestion controllers?
- Are we providing the right guidance to congestion control designers and application developers?
- Are we facilitating evaluation and comparison of solution candidates by normalizing the interfaces and interactions?
- Should we move RTP Circuit Breakers (non-) interaction to requirements?