



Aalto University
School of Science

WebSockets / Remote Mouse

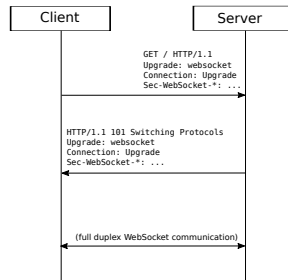
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WebSockets

- ▶ Efficient full duplex client-server communications channel
- ▶ Low latency, suitable for real time applications
- ▶ Standardized by IETF (RFC 6455), JavaScript API from W3C
- ▶ Enabler of new type of applications
- ▶ Replaces HTTP abuse, proprietary technologies



Related Work, State of the Art

- ▶ New kinds of web applications
 - ▶ Multi-screen apps (Bassbouss et al., 2013)
 - ▶ Virtual project room (Denoue et al., 2014)
 - ▶ Home appliance remote control (Kawazoe et al., 2015)
- ▶ Performance related research
 - ▶ HTML5 app throughput boundaries (Zhanikeev, 2013)
 - ▶ Compression (Anusas-amornkul and Silawong, 2014)
 - ▶ Bandwidth estimation with DASH (Cherif et al., 2015)
- ▶ Use in industry
 - ▶ Trello

Remote Mouse

- ▶ Virtual mouse pointer
- ▶ Client-Server-Client
- ▶ Use with any website (with restrictions)

