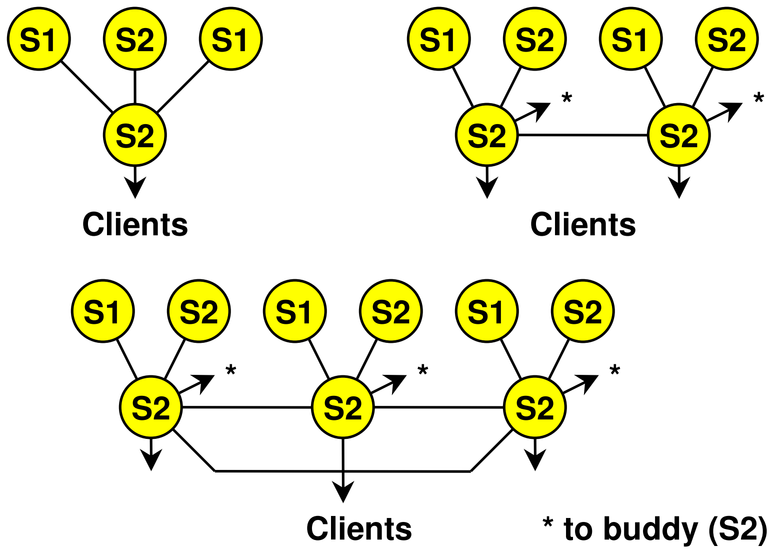
Scalable, High Speed Time Synchronization (D012)



New ideas

Dynamic peer discovery using engineered multicast schemes

Automatic, authenticated peer selection for ubiquitous distributed protocols

Multiple overlapping hierarchical subtree organization for redundancy and diversity

Maximize service performance relative to crafted metric and constraints

Impact

Minimize dependence on prior configuration data

Avoid intricate case-by-case analysis of failure/fallback/recovery scenarios

Provide automatic reconfiguration in case of network reconfiguration or failure

Schedule (third year)

Test and refine NTP autokey authentication scheme

Test and refine NTP autoconfigure scheme

Complete NTPv4 beta test and deploy

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