

Inter-ALTO Communication Problem Statement

draft-dulinski-alto-inter-problem-statement-01

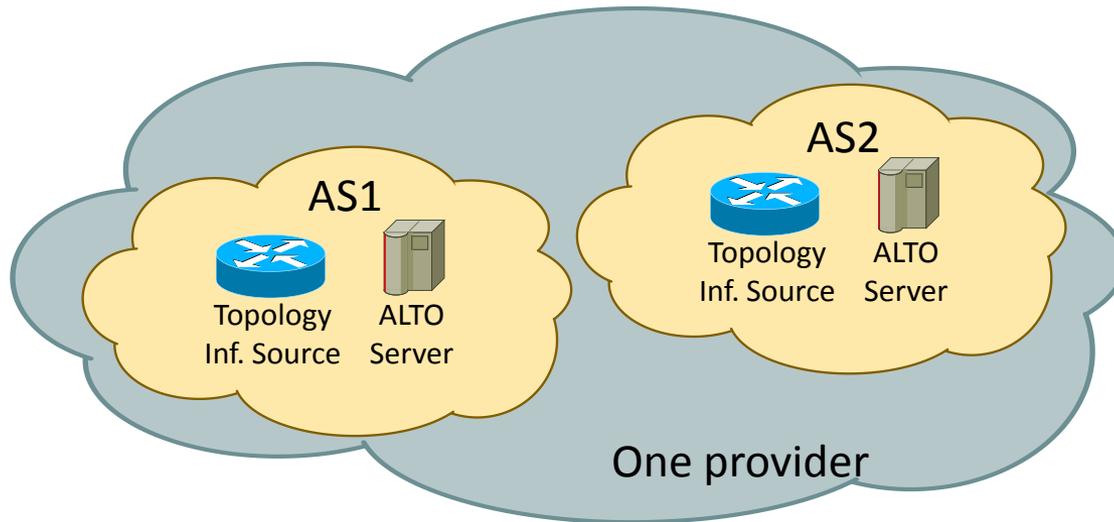
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Updates since -00

- Many ASes within One ISP
- Mobile Networks
- Route Aggregation

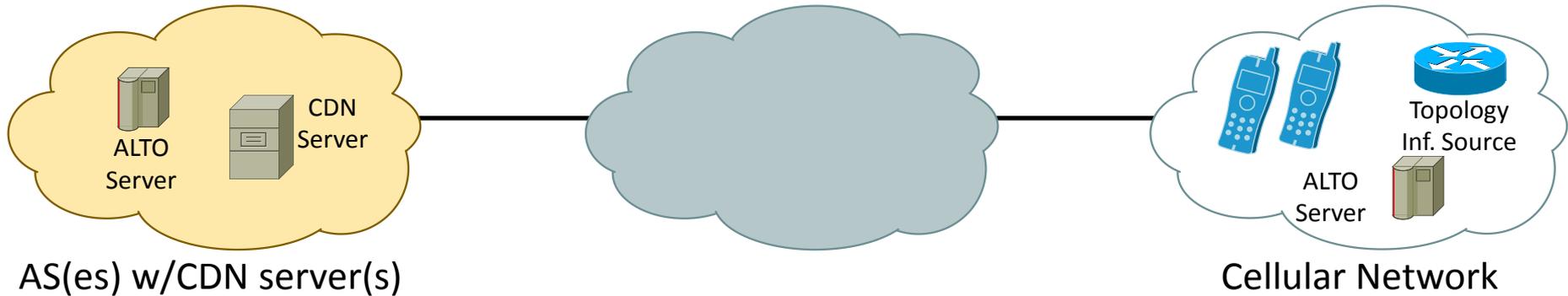
One Provider, Many ASes

(or Many Areas in One AS)



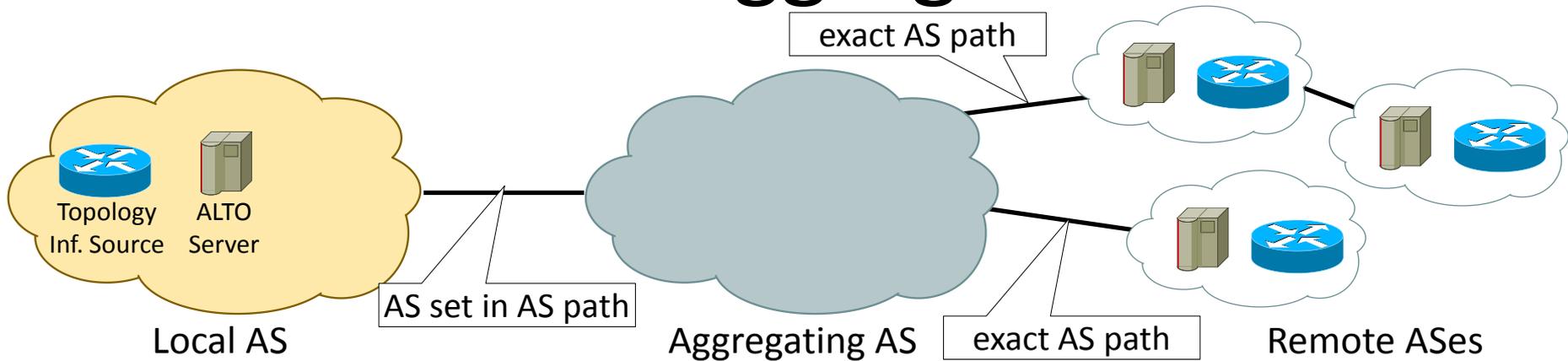
- Each ALTO server has only partial view of the topology
 - Exact knowledge about the topology of its AS
- Merging information without joining ASes

CDNs and Mobile Devices



- CDNs providing data (e.g., video streams) to mobile users may obtain some information on their clients

Route Aggregation



- BGP may aggregate routes
 - AS sets appear in AS paths
- Especially, information on AS hop count is lost

We're looking for
contributions/comments

Q & A

Thank you!