## Recitation 10: RON: Performance

MIT - 6.033

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Plan - Recup on Ron Logistics -The Evolvation Section \* DP Prep report assignment at - Debate: Zoom should use Row to improve quality of our video chate \* Mid-semester feedback form (see your email) Recapi Goal of Ron 1. Rarte gnickly around net Failure 2. Application specific netric in path election 3. Expressive venting policies

on normal machiner ROW runs in each As legg your Gives you control your packet Win limits BGP runs at borders. lets us send Il packets ocoss intent 435

In science, what is the god of an experiment? \* Test a theory / hypothesis. La Earth is flat Our systen a a good itee" \* Measure a constant/quartity Lo Speed of light, acceleration dre to granty "Cost of our system :- MB/\$/..." \* [In engineering] Compare costs to attenutivey Lo This engine was 2e fired then the other Our system is better them \* Others?

Which are happening here? - Test a theory Lis ROW improved throughput" - Measure Constant L Lass rates / KON - Compare to attendive La Plain interet

A Debate Resolved: Eson should implement RON to improve video experience for our video pasar Zoon calls. → Does Row silve on problem? → Is it Snot/cheap enough? → What could go wrong? Even Rooms: In favor Odd Rooms Again 1) Use paper to find points supporting 2) Nominate on person to give persussing short points in support 3) Vell attenute rooms. L> Everybody wins?

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- Could RON Make not performance worse? - Extra hops
- Extra policy restrictions?
- "too clever"
- b/w consumption - Scaling: Why doesn't Ron scale to thousands of nodes?

Quadratic cost of probles? - How costly are the probles? La Worth it?

Why don't we use Ron? - Scaling is one major issue - For whom is it worth the trouble? 43 Maybe Google, but they run their oun fiber? - Can you am DON w/ mustually distincting powter? - How frequently do we see ret ontages of the kind that ROW could fix? Is with the cost? Example of one that is wed Tor Cs Not for performence but for functionality