

Internet Measurement 2.0

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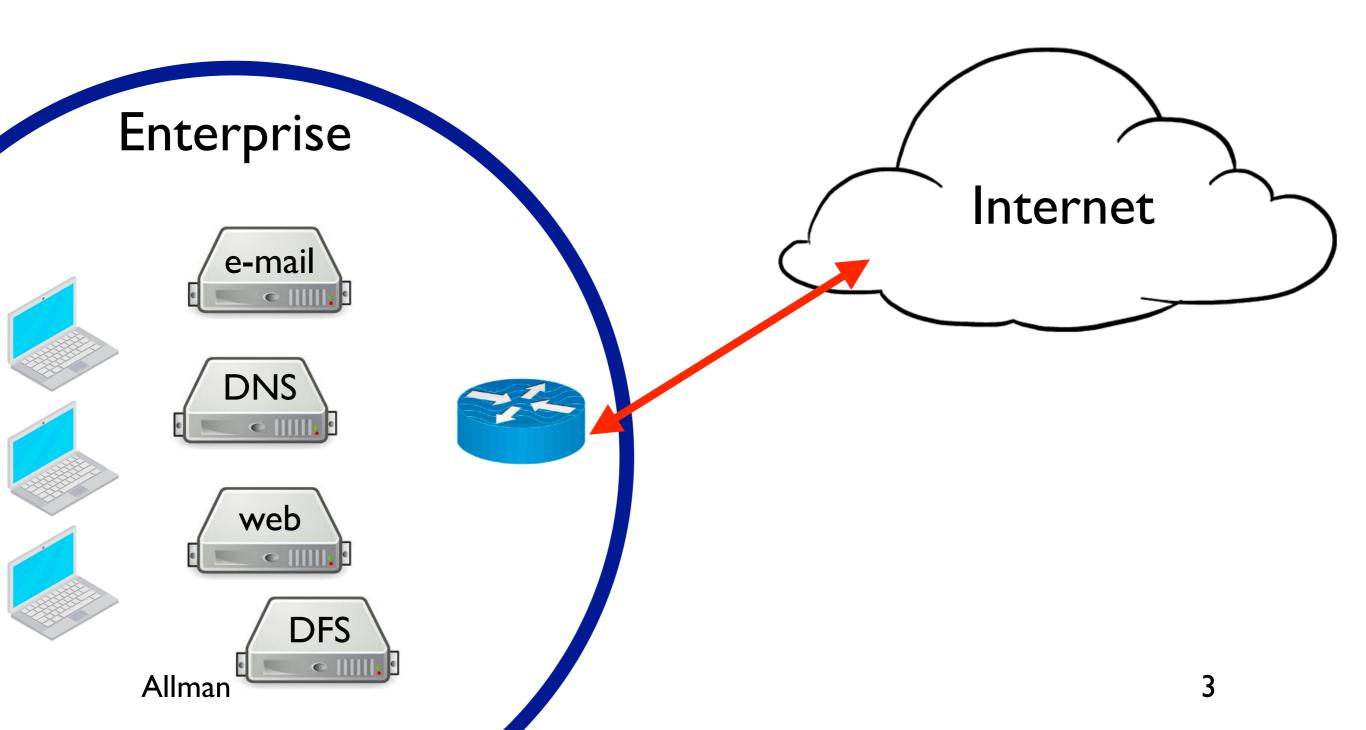
WOMBIR Workshop January 2021

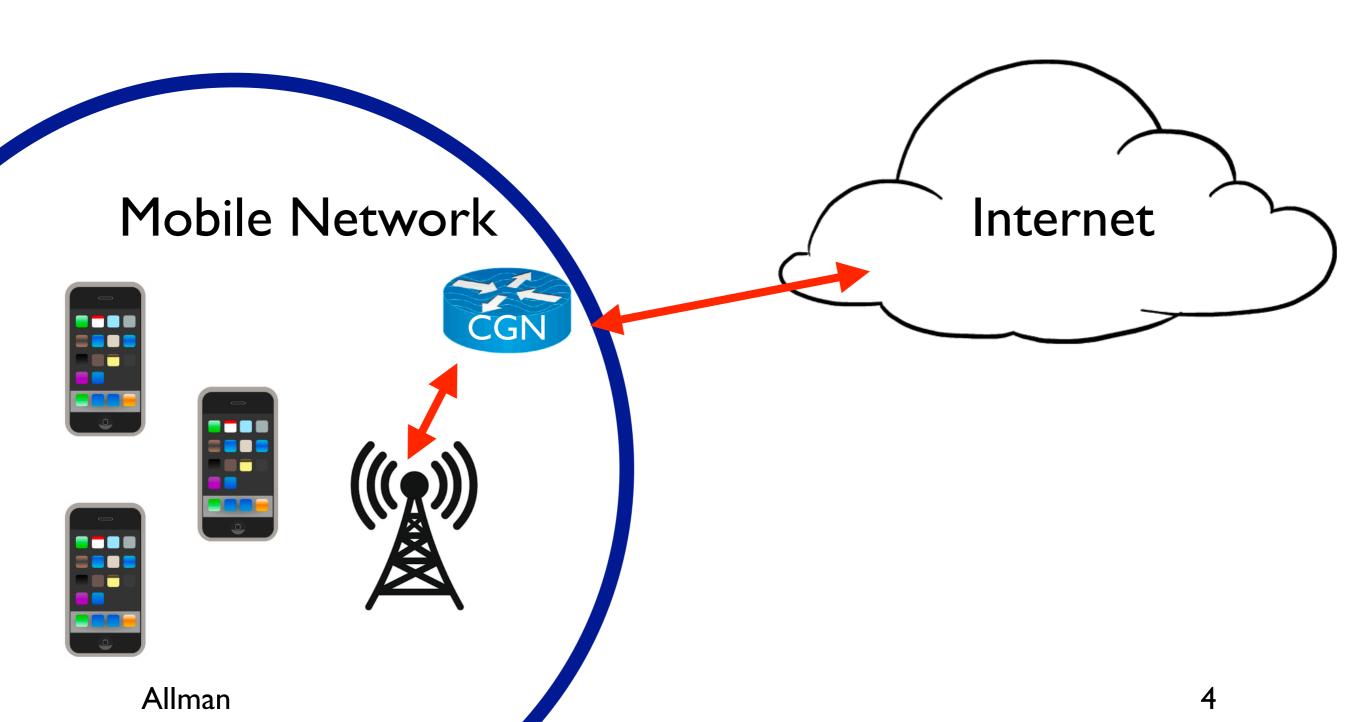
"There's never enough time to do all the nothing you want."

— Bill Watterson

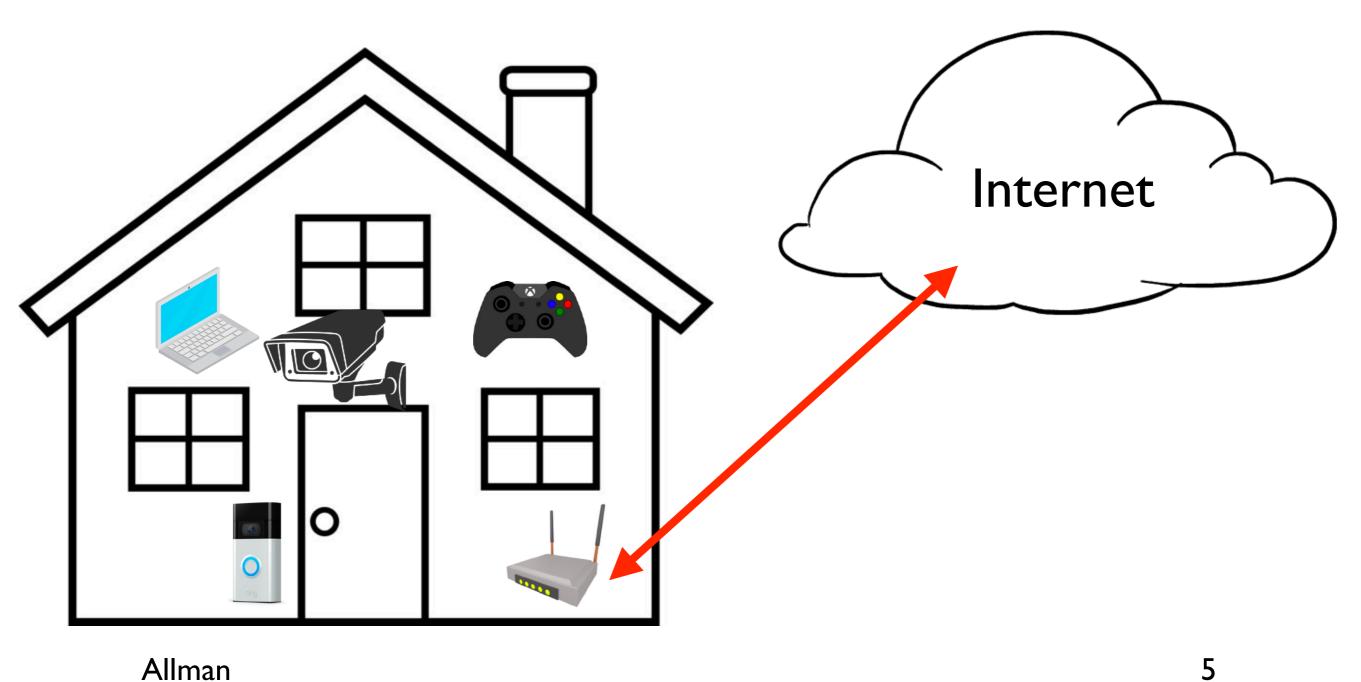
Opportunism

 Observation: our measurements often are and have been ad-hoc and opportunistic





Residential



 Increasingly the key barrier to measuring the Internet is the Internet!

What Do We Need?

More visibility!

- Tons of highly capable vantage and diverse vantage points
- More collaboration with a variety of industry partners

How?

 Think about nontechnical structures to foster Internet measurement



Spend On What?

 Subsidize residential and mobile Internet connectivity in exchange for allowing some passive and active measurement from a given network

Spend On What?

- Joint appointments between universities and industry
 - sabbaticals on steroids

Spend On What?

 Spend on operations of infrastructure in addition to research

Long Time Horizon

- Think beyond ...
 - ... the single year sabbatical
 - ... the standard three year grant
 - ... what is needed for the next IMC paper

- What can we put in place for the next decade?
- What can we do to stop so many one-offs?



Questions? Comments?



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