Internet Evolution
Where is "there" and how do we get "there" from here?

Leslie Daigle, moderator.

Chief Internet Technology Officer

The Internet Society
We are…

Not at the IETF

- Taking discussion up a level
- Taking any identified work items to the appropriate IETF WGs

“On the air”

- Streaming
- Recording

Stopping at 12:45pm so you can all get back to the IETF…
The Panel

Leslie Daigle (Moderator)

Bernard Aboba

Principal Architect, Lync Division at Microsoft

Mark Handley

Professor of Networked Systems, University College, London (UCL)

Geoff Huston

Chief Scientist at the Asia Pacific Network Information Centre (APNIC)
Today’s discussion 1/2

What is this “Internet” of which you speak?

- Under the hood
- The total driving experience

E.g., it could still be the Internet even if IP went away

What matters?

- Permissionless innovation
  - Building blocks
  - Access

- Collaboration
  - In the public interest
  - For self-interest (scaling)
Today’s discussion 2/2

What has changed?

- Used to be “nice to have”

- Now perceived as “critical infrastructure”
  - Government interest – security and civil protection
  - Business interest – this network is not a playground
Agenda outline

Panelists’ perspectives

Discussion

Open mic
Internet Evolution
Where is "there" and how do we get "there" from here?

http://www.InternetSociety.org/evolution
Possible discussion points
What are the most pressing challenges for the evolution of the Internet? Including:

The right ways to approach the longer-term innovation problems that need a more structured approach -- through research or otherwise?

The difficulty of deploying changes on the operational Internet?
What are the right driving forces for Internet evolution?

- Natural evolution - letting "market forces prevail"
- Top-down regulatory - return to the telco regime
- Clean slate - repealing the "laws of Internet physics"
- Or?