

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?**