

Welcome to NANOG 67

Daniel Golding - NANOG Board of Directors

L Sean Kennedy – NANOG Program Committee

Don MacNeil – CTO, EdgeConneX, Host Sponsor

Jay Borkenhagen - AT&T, Connectivity Sponsor

Peter Jacoby - RCN, Connectivity Sponsor

What makes a NANOG Conference Different

- Attendee Demographics
- Peer Reviewed Program
- The Difference between a Full NANOG Conference and NANOG on The Road
- Commitment to supporting New Operators
- College Immersion Program
 - NANOG College Immersion Students
- Vendor Neutrality
 - Sponsorship - Premium and Individual Meeting Sponsor Support

Why NANOG & What to Expect at NANOG 67

- General Session Content
- Tracks
- Tutorials
- Lunch - Monday & Tuesday
- Social Event Reminders –
 - BnG, Tuesday Night
 - Social Event - Wednesday Night
- Private Invitation –
 - Newcomer Lunch
 - Member Breakfast

Welcome All!

- Newcomers - Approx. 92 attending their first NANOG Meeting
- NCI – 17 College Immersion
- Members - 209 of 575 total attending NANOG 67
- Attendees - 862
- Hackathon Attendees - 56

The New Edge

What, Why, Where

NANOG 67 Chicago

June 13th 2016

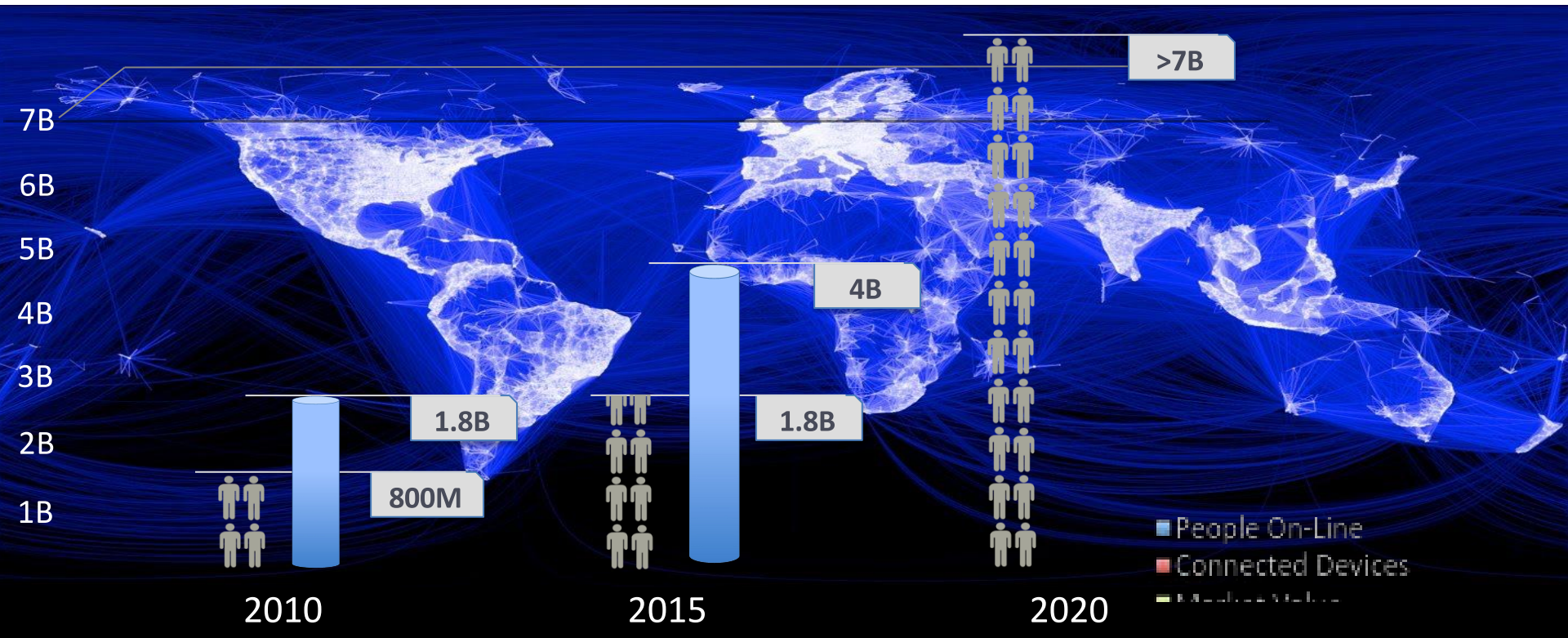


Don MacNeil

Chief Technology Officer

Hyper Connected World

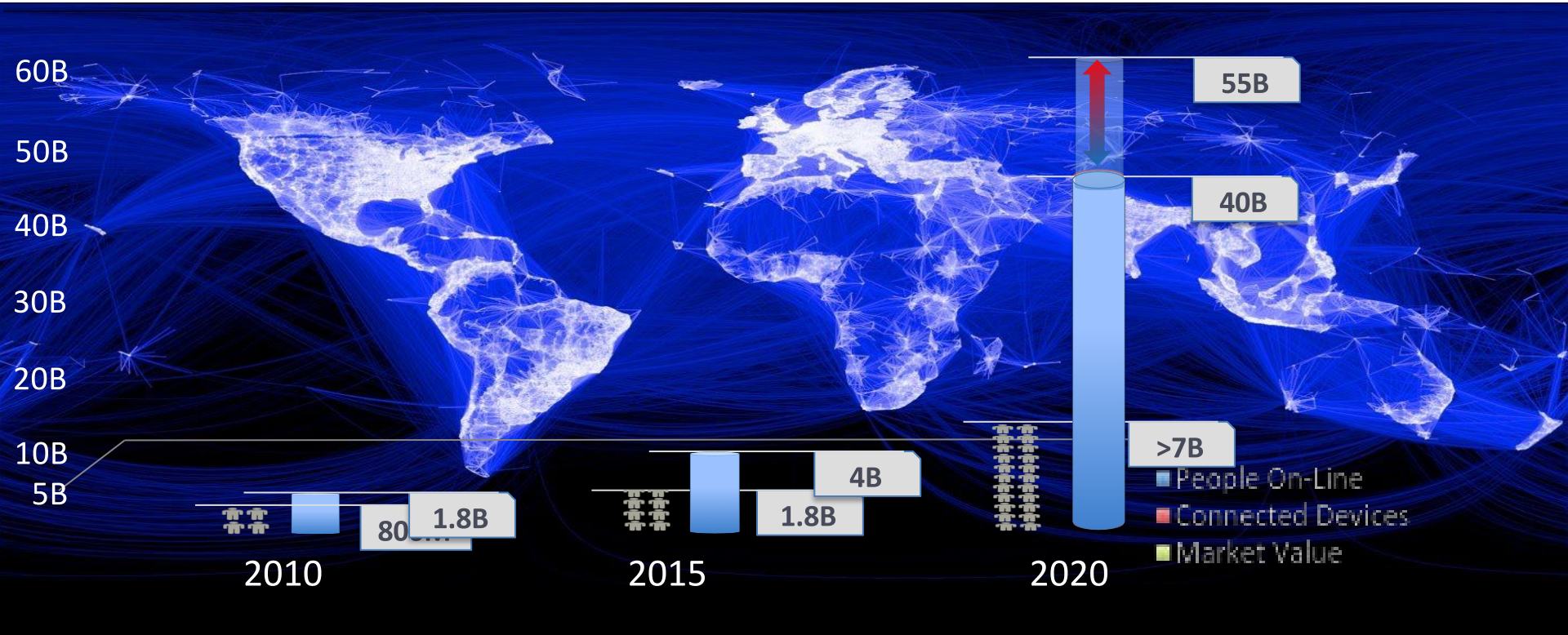
We are in an age of exponential growth



Sources: Cisco, Gartner, CMA Research, EdgeConneX

Hyper Connected World

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What Defines an Edge Data Center®

Industry experts are defining the Edge Characteristics

The Edge as Defined by **NETWORKWORLD**

- 1 Serves more than 50% of the broadband eyeballs locally
- 2 Serves more than 75% of the Internet's content locally
- 3 Shifts the peering traffic from the core to the new metro locally
- 4 Creates material and measurable (tangible) cost and performance benefits
- 5 Delivers a richer media experience
- 6 Improves security
- 7 Mission critical capable infrastructure built to Tier III resiliency standards

The Edge Manifesto as Defined by **Gartner®**

- 1 “The edge manifesto calls for the placement of content, compute and data center resources on the edge of the network, closer to concentrations of users. This augmentation of the traditional centralized data center model **ensures a better user experience demanded by digital business.**”
- 2 “Moving data centers’ processing and content delivery/collection closer to the sources and sinks of this information, including cloud onramps and off-ramps, offers significant benefits and spawns new business models. **This is the essence of the ‘edge manifesto.’**”
- 3 “The use of smaller, distributed, connected data centers (perhaps space in colocation centers), closer to the concentrations of users and generators of content (“pushing things to the edge”), will be required for these workloads. In many cases, **these will augment, not replace, the more traditional large data center.**”

The Internet of Things...

...EdgeConneX Internet of Everywhere®

The Future of Video is the Internet:

- Content - all content will need to be cached at the edge
- The edge is the new internet onramp to the mega-clouds, the home of OTT content and the launch platform for the next generation of products and services to a hyper connected world

The Internet of Things Needs the Edge:

- Localized computation platforms for high performance *clickstream analysis*
- High-Speed On-Ramps to Mega-Clouds hosting Big data and Services engines
- Lowest latency connections to the 55B sensors and devices that will enable IoT

The Internet:

- Must be *everywhere* – especially at the “new edge”
- Must be constructed and maintained within an *open* and *predictable* commercial business framework
- Must support *innovation* and *expansion* of platforms and services “at the new edge of the Internet”



*Trademark of EdgeConneX, Inc.

Please Join us Wednesday Evening

NANOG 67 Closing Social

You're
Invited!

Wednesday, June 15, 2016
6:30 to 10:30pm

HOWL
AT THE MOON



Thanks to our Host, Connectivity, Premium and Infrastructure Sponsors!



NANOG 67 Agenda Opening!

L Sean Kennedy

Chair NANOG Program Committee

Thank You to the Members of the Program Committee

- Jeff Bartig
- Kevin Blumberg
- Christina Chu
- Anna Claiborne
- Philippe Couture
- Paul Ebersman
- Allison Feese-Strickland(Secretary)
- L. Sean Kennedy (Chair)
- Brad Raymo
- Dani Roisman (Vice Chair)
- Steve Plote
- Steven Schechter
- Benson Schliesser
- Jesse Sowell
- Krassi Tzvetanov
- John van Oppen
- Chris Woodfield
- Ryan Wooley

Program Notes

- Online Agenda/Guidebook Automation
- Agenda Icon notation
 - General Sessions
 - webcast/archived
 - Tracks/Tutorials
 - recorded/archived

General Reminders

- **Breaks and Espresso Bar** - Imperial Foyer
- **Breakfast, Lunch and Open Seating** – International Ballroom, 2nd floor
- **Q&A and Microphone Guidelines and the Attendee Charter** - online

Surveys

Daily “Presentation Survey” Giveaway

- Take online via the web or guidebook
 - Awards
 - 1 Tuesday
 - *for Monday Surveys*
 - 1 Wednesday Morning
 - *for Tuesday Surveys*
 - 1 Wednesday Afternoon
 - *for Wednesday Morning Surveys*

Introduction of First Speaker

Dave Temkin, Netflix
“The Real Cost of Public IXPs”