

# Welcome to NANOG 73

**Ryan Donnelly**

Chair, NANOG Board of Directors

*But before we start...*

# Welcome to NANOG 73

- Registration: 1036+
- REMINDER: Wear your badge!
- 3 Days of Great Peer reviewed content
- Ongoing Commitment to supporting New Operators
  - NCI and Scholarship Program
- Thank you to our Sponsors

# Membership

- Discounted Meeting Registration
- Special Considerations at each NANOG meeting
- Recognition on NANOG website
- Workshops and Photo Sessions
- **Most important**, the ability to vote and set the direction of NANOG during the annual Elections cycle which takes place every October, and participation on the Program Committee which is appointed every February

**If you are a member, please join us at the membership breakfast tomorrow. If you aren't, you can join today and be a member today**

Thank you



For sponsoring yet another successful Hackathon!

**NANOOG**  
**Hackathon**

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



# Host Sponsor



**Paul E. Szurek**

President and Chief Executive Officer



# Nanog73

**Paul Szurek, President & CEO**  
**CoreSite**

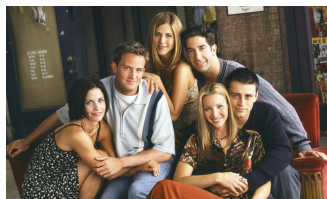
SECURE, RELIABLE, HIGH-PERFORMANCE DATA CENTER SOLUTIONS



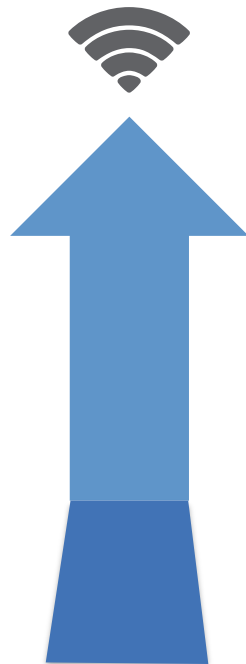




# TURN OF THE MILLENNIUM







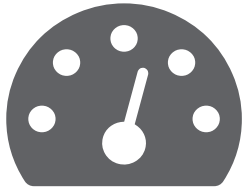
**17,800%**

●  
**2000**  
75 PB/mo

**2025**  
**2007**  
6 EB/mo  
**14 ZB/mo**

**2017**  
122 EB/mo

# Internet of Things



- Safety
- Vehicle diagnostics
- Navigation
- Fleet management
- Smart traffic lights
- Meter technology
- Real-time analytics



- Thermostats
- Appliances
- HVAC systems
- Security
- Lighting
- Entertainment




- Fitness bands
- Smart watches
- Smart glasses
- Action cameras
- Health monitoring

### Cost of Sensors

\$1.40  
2004


AVG. COST

**.38**  
NOW




### Cost of Bandwidth

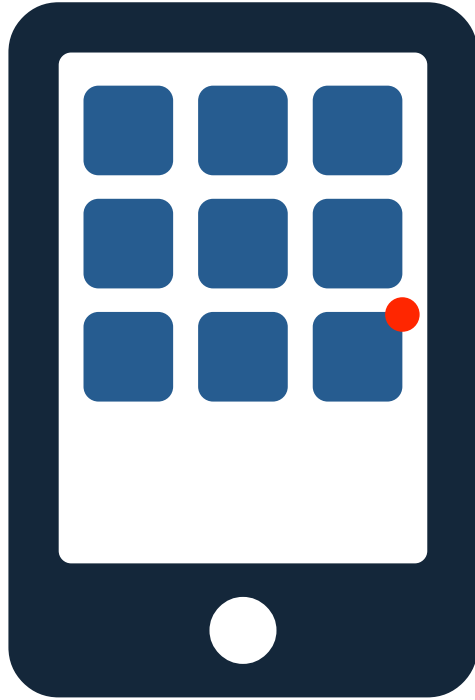
**40x**  
2004-2014



### Cost of Processing

**60x**  
2004-2014





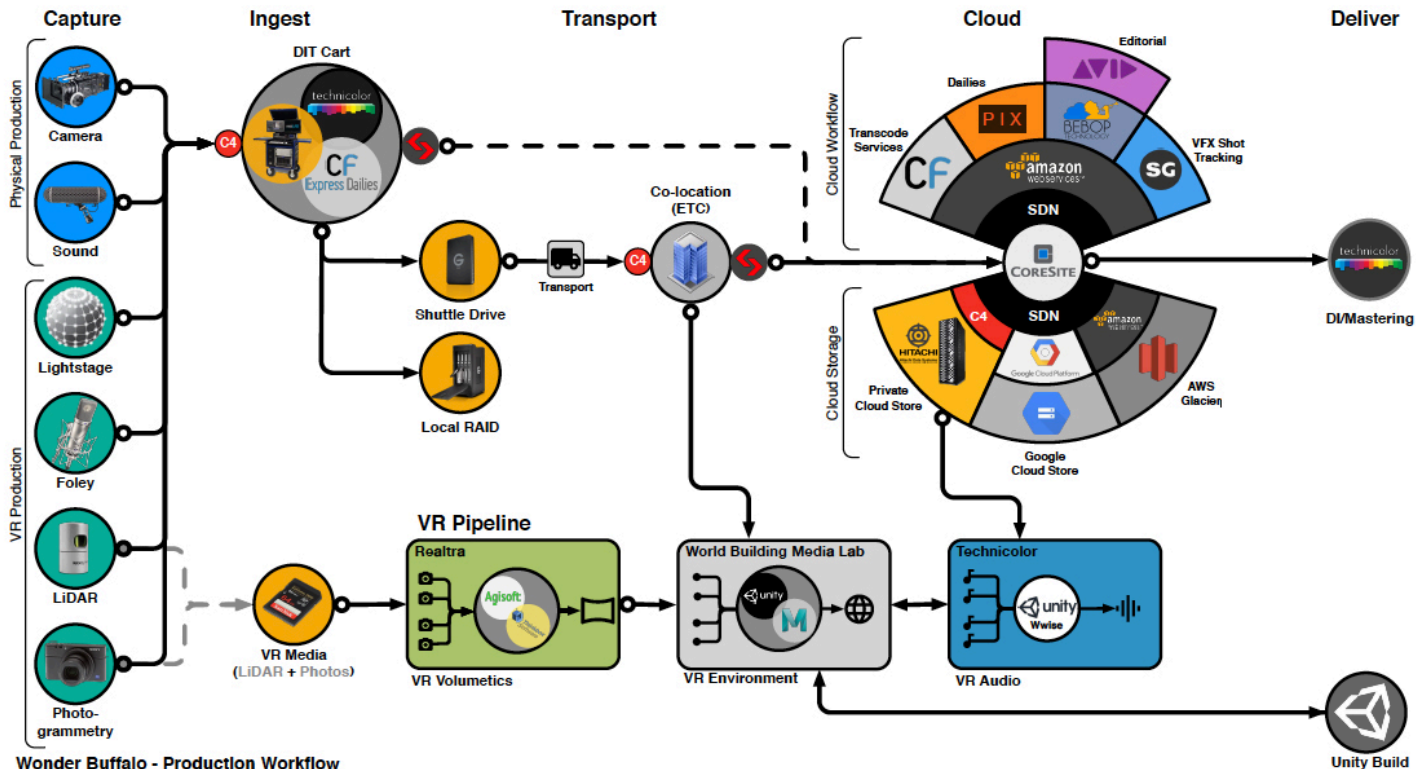
**25% abandon**

**48% uninstall**





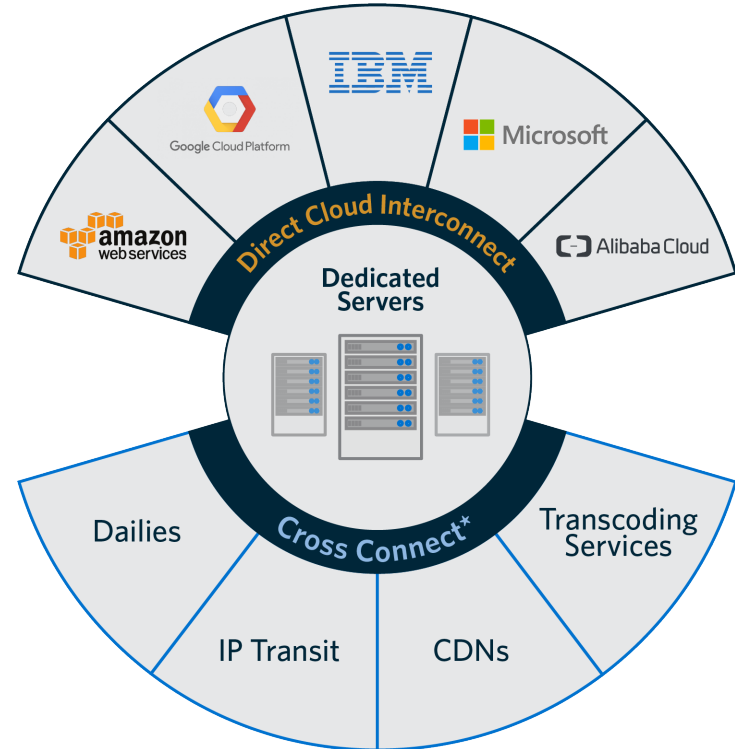




Wonder Buffalo - Production Workflow  
Version 1.7 / November 2, 2016



## CORESITE DATA CENTER



*\*example providers*

Founded  
**2001**



**450+** Professionals



**21**  
Operational  
Data Centers

**1250+**  
Customers



**25,000+**  
CUSTOMER  
INTERCONNECTIONS





# NANOG73 SOCIAL

Tonight, 7pm @ Blue Moon Brewing Company

Hosted by



# Connectivity Sponsor



**Robert Leitner**

Senior Manager IP Data Networks Product Marketing

# NANOG 73

## Connectivity Sponsor

Verizon Partner Solutions

We Don't Wait For The Future, We Build It

**Bob Leitner**

**Sr. Manager – IP Data Networks Product Manager**

**June 25, 2018**

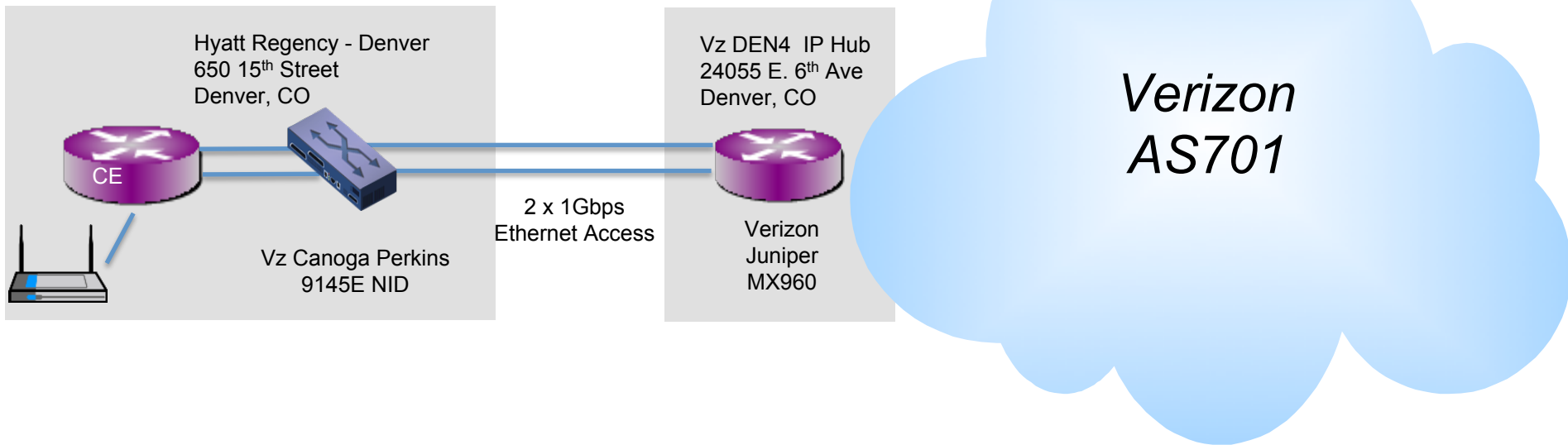


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# NANOG 73 Connectivity.

- 2 x 1Gbps Internet Dedicated Circuits
- IPv4/IPv6 Dual Stack
- IPv4 - /30 & IPv6 - /126



Verizon is proud to deliver a better experience for NANOG 73.

# NANOG 73 Program Overview

Ryan Woolley  
NANOG Program Committee

# Program Notes

- Content is entirely peer-reviewed
- Program Committee consists of 20 volunteers appointed by the board
- Self-organizing

# Program Notes

- Agenda online and in Guidebook application
- Remote viewing of NANOG 73 content
- Presentation materials linked from agenda

# NANOG 73 Amenities

- Centennial Ballroom - General Sessions & Beer n Gear
- Foyer - Breaks and espresso bar
- Capitol Ballroom - Meals
- Social Events -
  - Sunday: Cervantes Concert Hall
  - Monday: Blue Moon Brewery
  - Tuesday: Cowboy Lounge

# Program Surveys

Surveys online or Guidebook app

Daily Survey Gift provided by MOD Mission Critical  
iPad / Apple Watch

Tuesday Afternoon *for Monday Survey*

Wednesday Morning *for Tuesday Survey*

Wednesday Afternoon *for Wednesday AM Survey*

Thanks for completing General Survey

# Welcome

- Lightning talk submissions being solicited for Tuesday and Wednesday at <https://pc.nanog.org>
- Microphone guidelines
- Attendance Charter
- Thank you to our speakers and Program Committee for our peer-reviewed program content