Roundtable: *Melding Network and Cloud Strategies*

Date: Sunday, 21 January, 2018, 1100-1230
We are living in Exponential Times

The Pace of Change is Accelerating

Agricultural Revolution
6,000 BC

Industrial Revolution
1760

Light Bulb
1880

Moon Landing
1969

Commercial Space Travel
2011 - Today

AI: Watson, 3D Printing

Human Genome Sequenced
2003

World Wide Web
& the Internet
1991/2

6,000 Years
30 Years
9 Years
22 Years
90 Years
6 Years
12 Years

We are living in Exponential Times

The Pace of Change is Accelerating

Computing Power is Growing Exponentially
Growing more now in each hour than it did in its first 90 years.

Sources: Dr. Peter Diamandis, Ray Kurzweil, EdgeConneX
Melding Network and Cloud Strategies

Macro Drivers: Exponential data growth...

We create 2.5 quintillion* bytes of data every day (*that’s 18 zeros)

Basic Office Functions

- IBM
- Burroughs
- Unisys

ERP | Payroll | Data Warehousing

- Compaq
- HP
- Microsoft
- Oracle
- PeopleSoft

Public Internet | Big Data Onset

- Amazon
- eBay
- Google
- Yahoo
- NetSuite
- Adobe
- Avid
- Sage
- Corel

Outsourced Data Center, Private & Hybrid Cloud

- Facebook
- Netflix
- Hulu
- Facebook
- Salesforce.com
- AWS
- Azure
- Oracle Cloud
- Alibaba
- Splunk
- MailChimp
- DocuSign

Mobile | Streaming | Social Media | Big Data Expansion

- Mobile
- Streaming
- Social Media
- Big Data Expansion

Fun factoid

< 0.5% of all data is ever analyzed and used

Source: IBM, MIT Technology Review, IDC, EdgeConneX
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Macro Drivers: Internet Access…

Lit Building Offices
Metropolitan City areas
Regional
Community & Smart City Spaces

Internet Access
Content Cache & Network Peering
Hyperscale Cloud Node
Microcell 5G & CBRS

2 - 5 AMPS
2 – 8 MW
20 – 60 MW
2 – 5 Amps * 1,000's
The Internet was designed for email... 

Not Video, Not the Internet of Things, Not VR/AR/MR, Not Cloud...
.. And it’s Not in Enough Places
Internet Access is Changing
Global Share of Internet Usage by Platform

As of Jan 2018:
- Mobile = 57%
- Desktop = 43%

Sources: StatCounter & OurWorldInData.org
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The Future is already here…
… It’s just not evenly distributed

William Gibson