Accelerating Digital Transformation Through Network Visibility

ACCESS. MONITOR. ANALYZE.

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Application Engineer



Law's of Exponential Growth

MORE COMPUTE. MORE DATA.



- Moore's Law
- Neven's Law
- Dator's Law



Law's of Exponential Growth

MORE COMPUTE. MORE DATA.





Connecting the dots – Global Market

THE WORLDS MOST VALUABLE RESOURCE IS NO LONGER OIL, BUT DATA





Connecting the dots....

MORE DATA. MORE \$.

TECH

Alibaba breaks Singles Day record with more than \$38 billion in sales

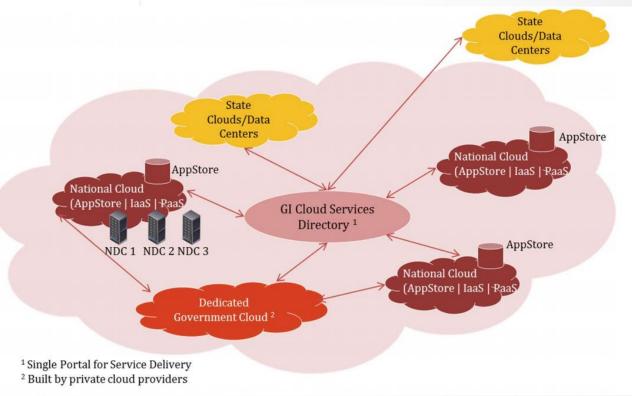


Signs of Change in Domestic Market

GOVERNMENT & PRIVATE INITIATIVES

- Digital India
- e-Governance
- Data Localization
- Smart cities & State Datacenters
- GI-Government Cloud
- Upcoming Tier-4 Datacenters







Connecting the dots....

THE WORLDS MOST VALUABLE RESOURCE IS NO LONGER OIL, BUT DATA

UPI records 1.15 billion transactions in October

Amazon, Flipkart generate Rs 19,000 cr in festive sales, Flipkart takes lead



Role of Visibility in Digital Transformation

FOGS & CLOUDS DEMAND VISIBILITY







EDGE COMPUTING



INTERNET OF THINGS (IoT)



Cloud/Multi-Cloud









Security & Operational Challenges



Protection used to be easier

THE NETWORK PERIMETER IS VANISHING



Application Performance Monitoring



Threat & Vulnerability Identification



Identity & Access Management



Data Protection & Loss Prevention



Compliance



Infrastructure Protection

Then

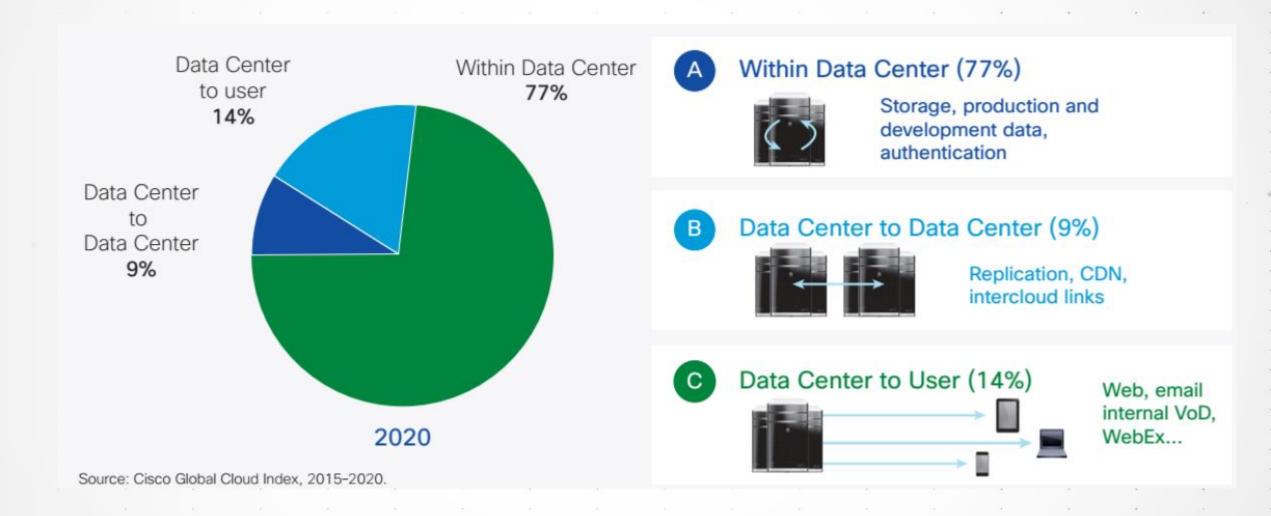
- Own infrastructure
- Global locations
- On-prem dedicated security and analytics tools
- Virtual compute infrastructure

Now

- Public and private clouds (i.e. shared infrastructure)
- Mix of physical and virtual analytics and security tools
- Elastic load and scale
- Dynamic infrastructure
- Many more internet-enabled devices
- More advanced WAN technologies (i.e. SD-WAN)
- Distributed multi-tier applications and services.



East to West Traffic Analysis





Security Breach - "hacky hack hack"

A teenager reportedly hacked Apple and stole tons of information

1 bn records compromised in Aadhaar breach since January: Gemalto



Keysight's Network Visibility Solution

SEE EVERYTHING ON YOUR NETWORK

- Reduce in false positives
- Reduce hardware & tooling Costs
- Reduced network downtime
- Increase efficiency of security & monitoring tools





