

# **ALTERNATIVES TO CYBERCRIME: POSITIVE AND PROFITABLE USE OF THE INTERNET**

**@ the**

**NATIONAL CONFERENCE ON YOUTHS AGAINST CORRUPTION  
"NIGERIAN YOUTH AGAINST CORRUPTION (NYAC)"**

**Organized By**

**INDEPENDENT CORRUPT PRACTICES AND OTHER RELATED  
OFFENCES COMMISSION**

**Presentation By:**

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**27 NOVEMBER 2015**

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- **Introduction**
- **History of the Internet**
- **Internet Platforms**
- **Internet of Everything**
- **Leveraging the Internet**
- **Conclusion**

- **Global system of interconnected computer networks.**
- **Broad array of electronic, wireless, and optical networking technologies.**
- **Inter-linked:**
  - **Hypertext documents**
  - **Applications of the World Wide Web (WWW)**
  - **Telephony**
  - **Peer-to-Peer networks**

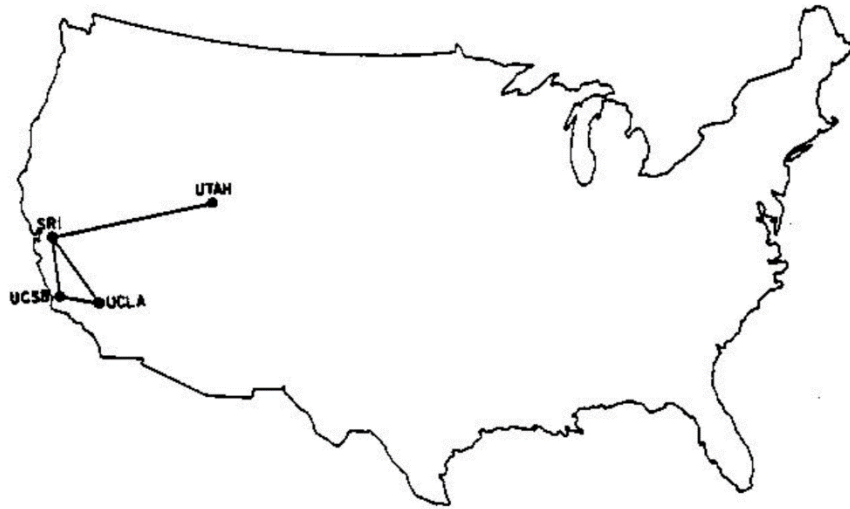
- **Primary application on the internet**



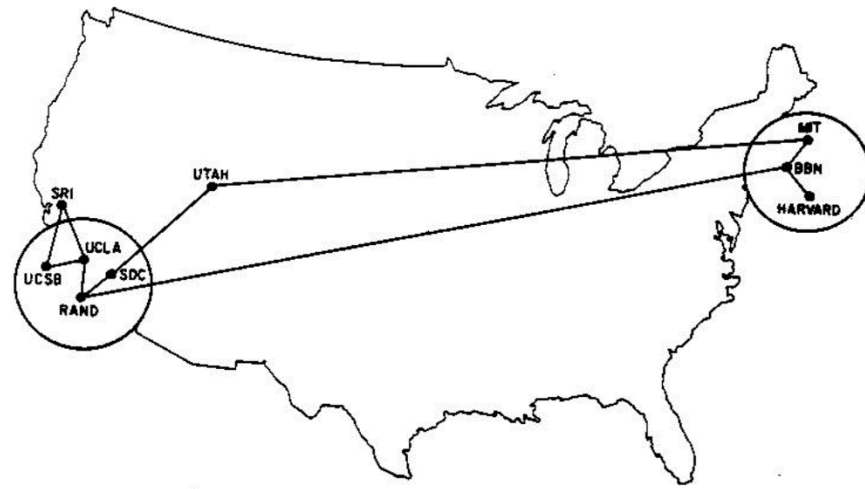
**Logically interrelated texts,**  
**photos, videos and audios**



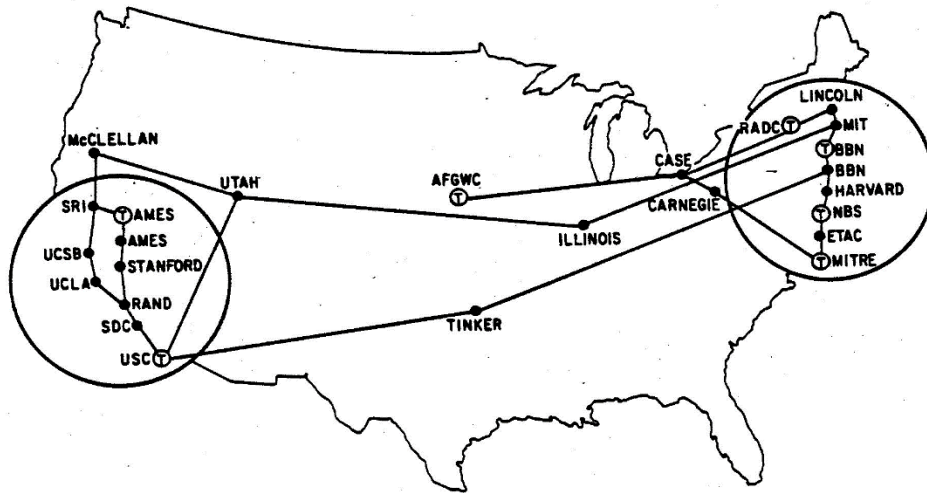
## Advanced Research Projects Agency Network (ARPANET)



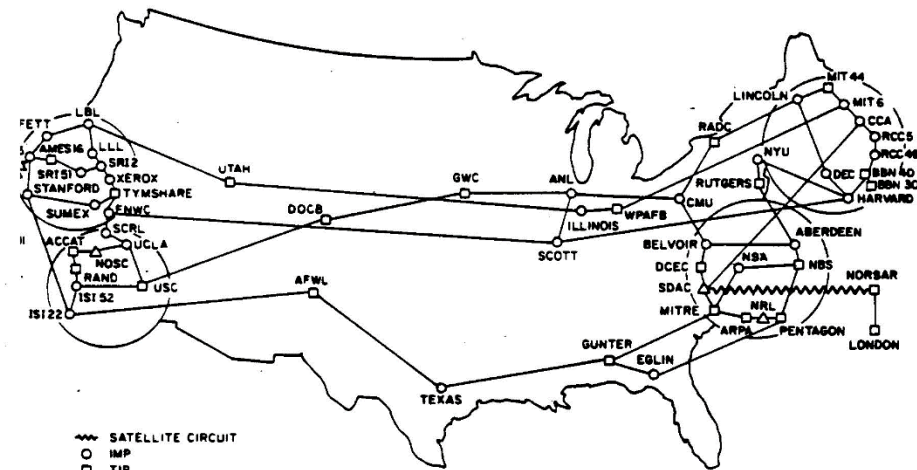
December, 1969



June, 1970

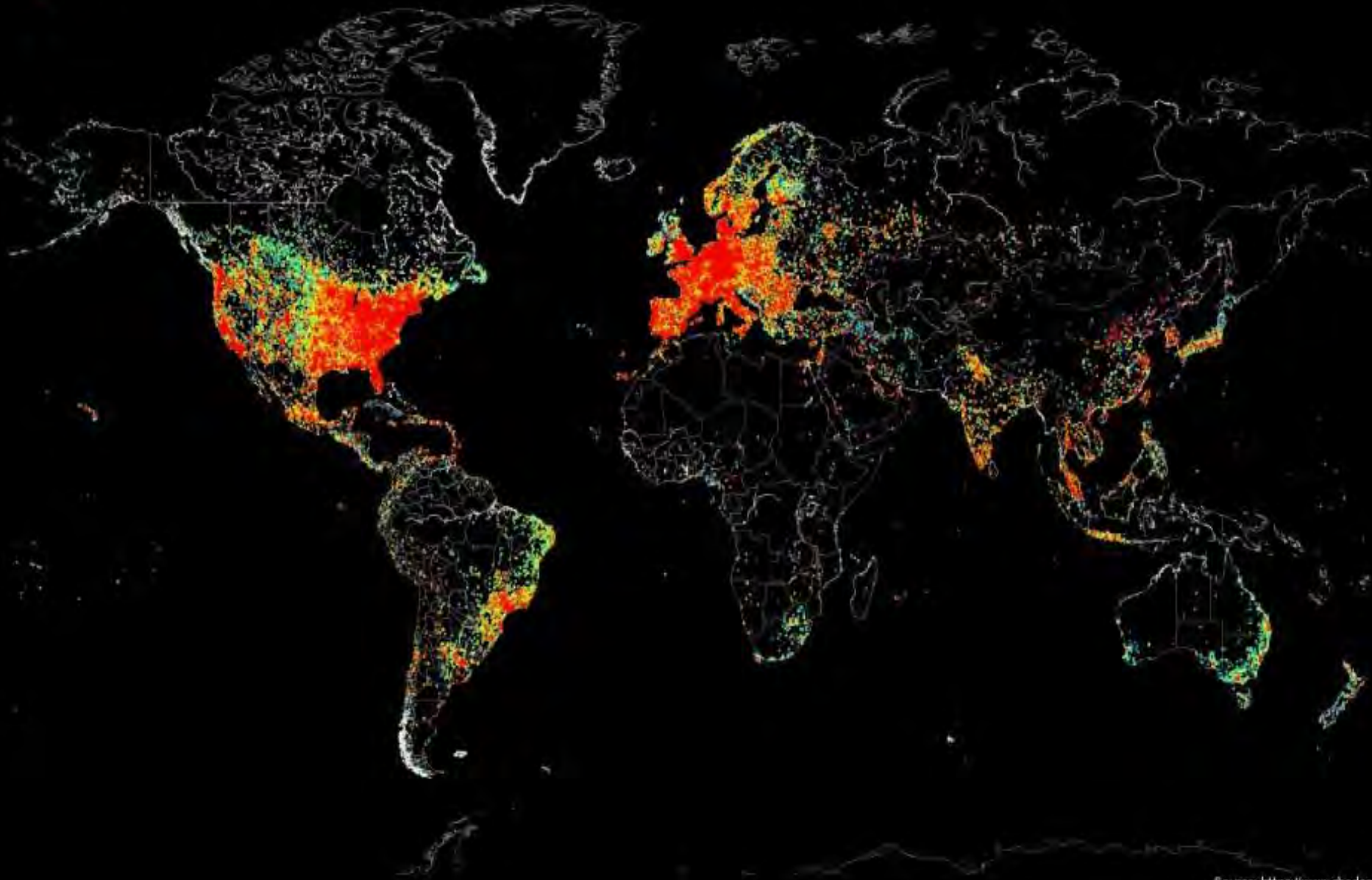


March, 1972



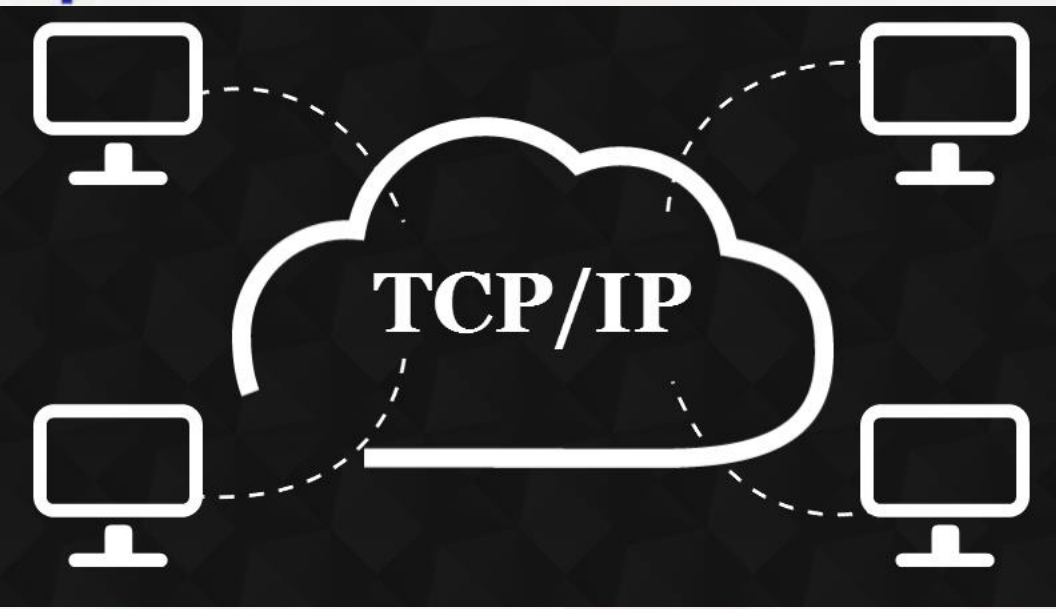
~~~~~ SATELLITE CIRCUIT  
 ○ IMP  
 □ TIP  
 △ PLURIBUS IMP  
 (NOTE THIS MAP DOES NOT SHOW ARPA'S EXPERIMENTAL SATELLITE CONNECTIONS)  
 NAMES SHOWN ARE IMP NAMES, NOT (NECESSARILY) HOST NAMES

July, 1977



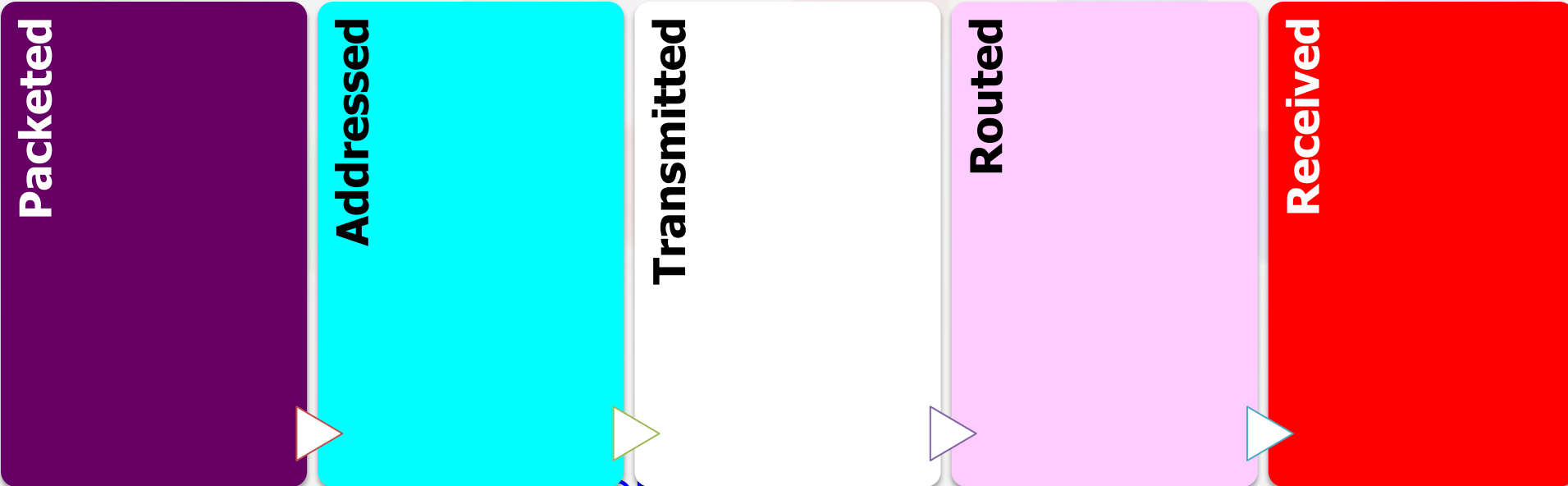
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- **Transmission Control Protocol (TCP)**
- **Internet Protocol (IP)**

**How Information over interconnected networks is:**



- Content on Interlinked Networks:
- Placement
- Sorting
- Linking
- Navigation

A close-up photograph of a yellow fire hydrant on the left side of the frame. A thick, white stream of water is spraying out from the hydrant's nozzle towards the right. The background is dark, making the bright yellow hydrant and the white water stand out. The text is overlaid on the right side of the image, within the area of the water spray.

Getting information off the  
Internet is like taking a  
drink from a fire hydrant.

Mitchell Kapor



# How People Spend Their Time Online

UNFOLD WHAT'S POSSIBLE:  
Enjoy Your Entertainment with Your PC

[intel.com/unfold](http://intel.com/unfold)

### Percentage of worldwide internet hours by all users



### Average Hours Spent Online Per Person



# MOBILE PHONES

BASED ON THE NUMBER OF CELLULAR SUBSCRIPTIONS / CONNECTIONS (NOT UNIQUE USERS)



TOTAL NUMBER  
OF MOBILE  
SUBSCRIPTIONS



we  
are  
social

151.0M

MOBILE SUBSCRIPTIONS  
AS A PERCENTAGE OF  
THE TOTAL POPULATION



we  
are  
social

90%

PERCENTAGE OF  
MOBILE CONNECTIONS  
THAT ARE PRE-PAID



we  
are  
social

97%

PERCENTAGE OF  
MOBILE CONNECTIONS  
THAT ARE POST-PAID



we  
are  
social

3%

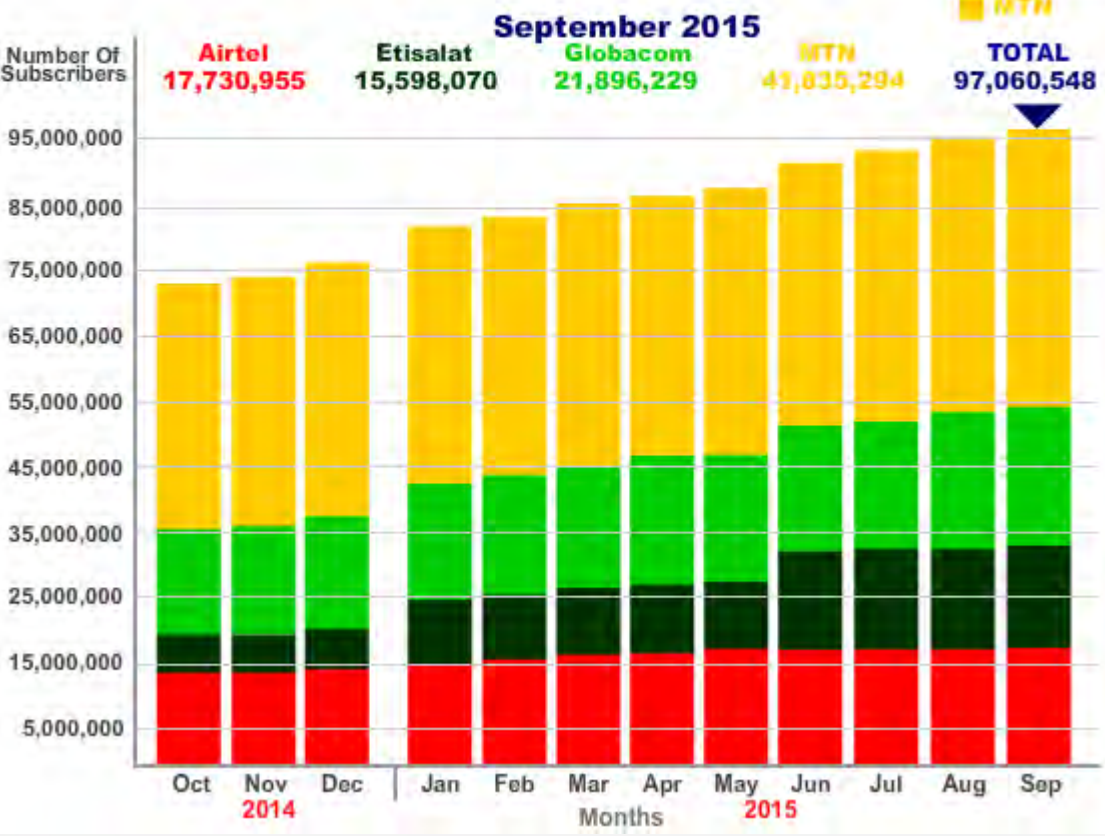
PERCENTAGE OF MOBILE  
CONNECTIONS THAT ARE  
BROADBAND (3G & 4G)



17%

# ACTIVE INTERNET SUBSCRIPTIONS (GSM) October 2014 - September 2015

- Airtel
- Etisalat
- Globacom
- MTN



TOTAL POPULATION

ACTIVE INTERNET USERS



**183.5 MILLION**

**70.3 MILLION**

URBANISATION: 50%

PENETRATION: 38%

FIGURE REPRESENTS TOTAL NATIONAL POPULATION, INCLUDING CHILDREN

FIGURE INCLUDES ACCESS VIA FIXED AND MOBILE CONNECTIONS

**We Are Social** - Sources: Wikipedia; InternetLiveStats, InternetWorldStats

[http://www.ncc.gov.ng/index.php?option=com\\_content&view=article&id=68&Itemid=67](http://www.ncc.gov.ng/index.php?option=com_content&view=article&id=68&Itemid=67)

[http://www.slideshare.net/wearesocialsg/digital-social-mobile-in-2015?from\\_action=save](http://www.slideshare.net/wearesocialsg/digital-social-mobile-in-2015?from_action=save)

# SHARE OF WEB TRAFFIC

BASED ON EACH DEVICE'S SHARE OF THE TOTAL WEB PAGES SERVED TO WEB BROWSERS



SHARE OF WEB  
PAGE VIEWS:  
LAPTOPS & DESKTOPS



we  
are  
social

**20%**

YEAR-ON-YEAR:  
-5%

SHARE OF WEB  
PAGE VIEWS:  
MOBILE PHONES



we  
are  
social

**76%**

YEAR-ON-YEAR:  
-

SHARE OF WEB  
PAGE VIEWS:  
TABLETS



we  
are  
social

**5%**

YEAR-ON-YEAR:  
+28%

SHARE OF WEB  
PAGE VIEWS:  
OTHER DEVICES



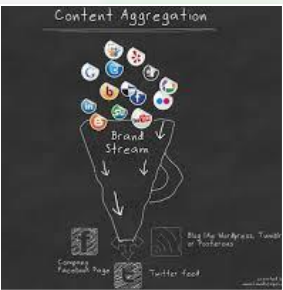
**0%**

YEAR-ON-YEAR:  
-



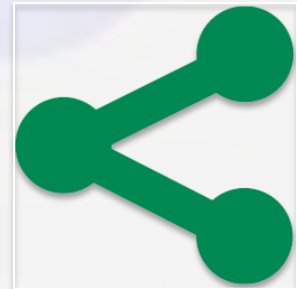
# Search Engines

## Hosting and Sharing



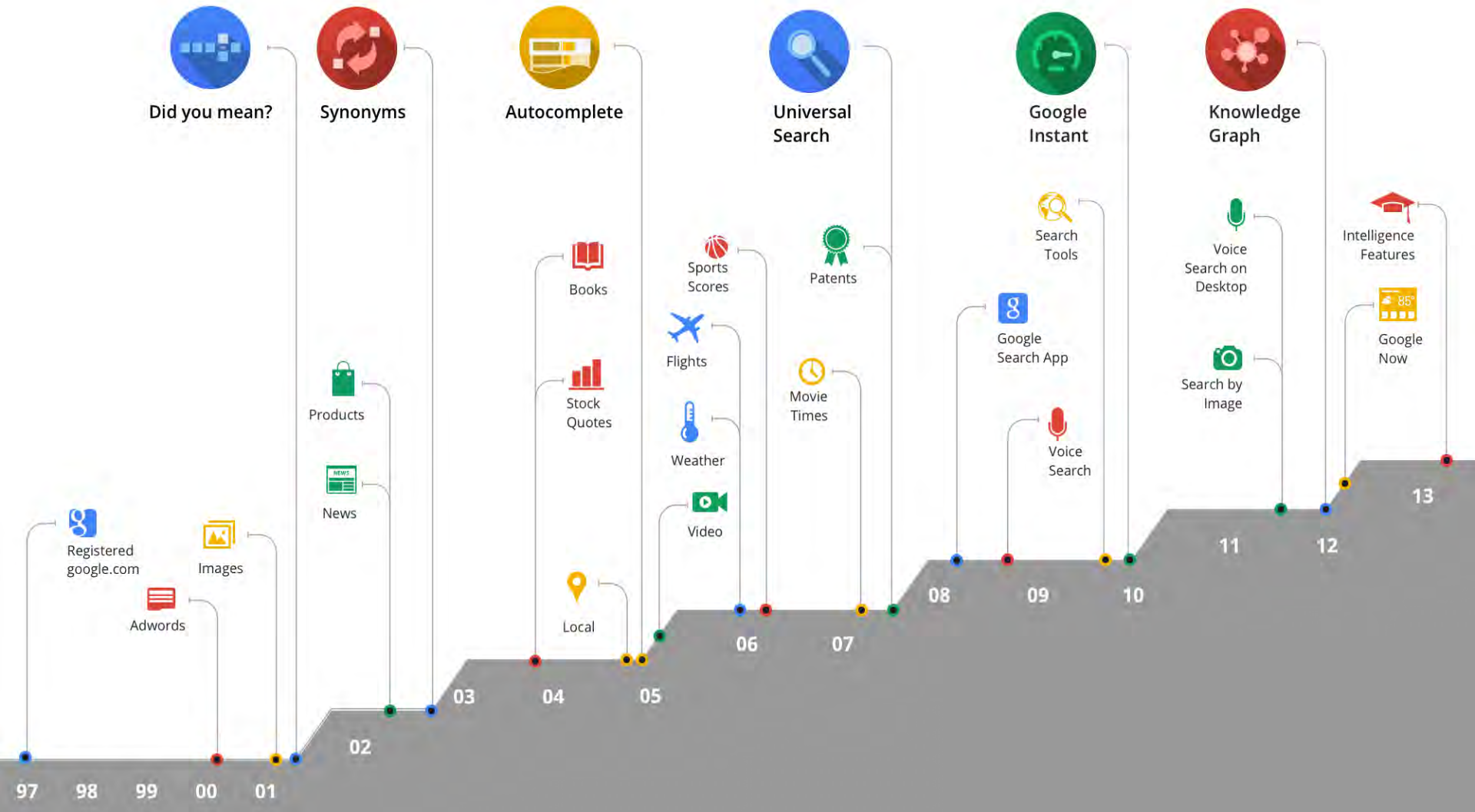
## Aggregation

## Syndication





## Google Search Timeline



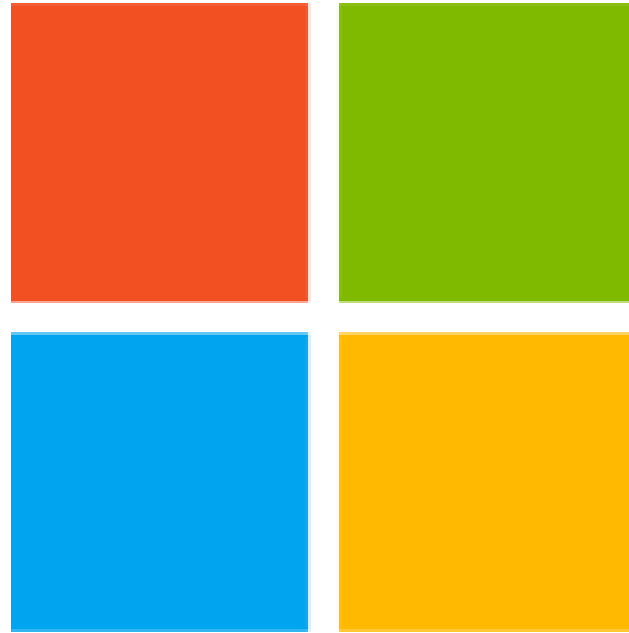
# Back-End (Networks and Servers)

# Peer-to-Peer (P2P)

- **Game Consoles**
- **Torrents**
- **Online Multi-Player Role Games**

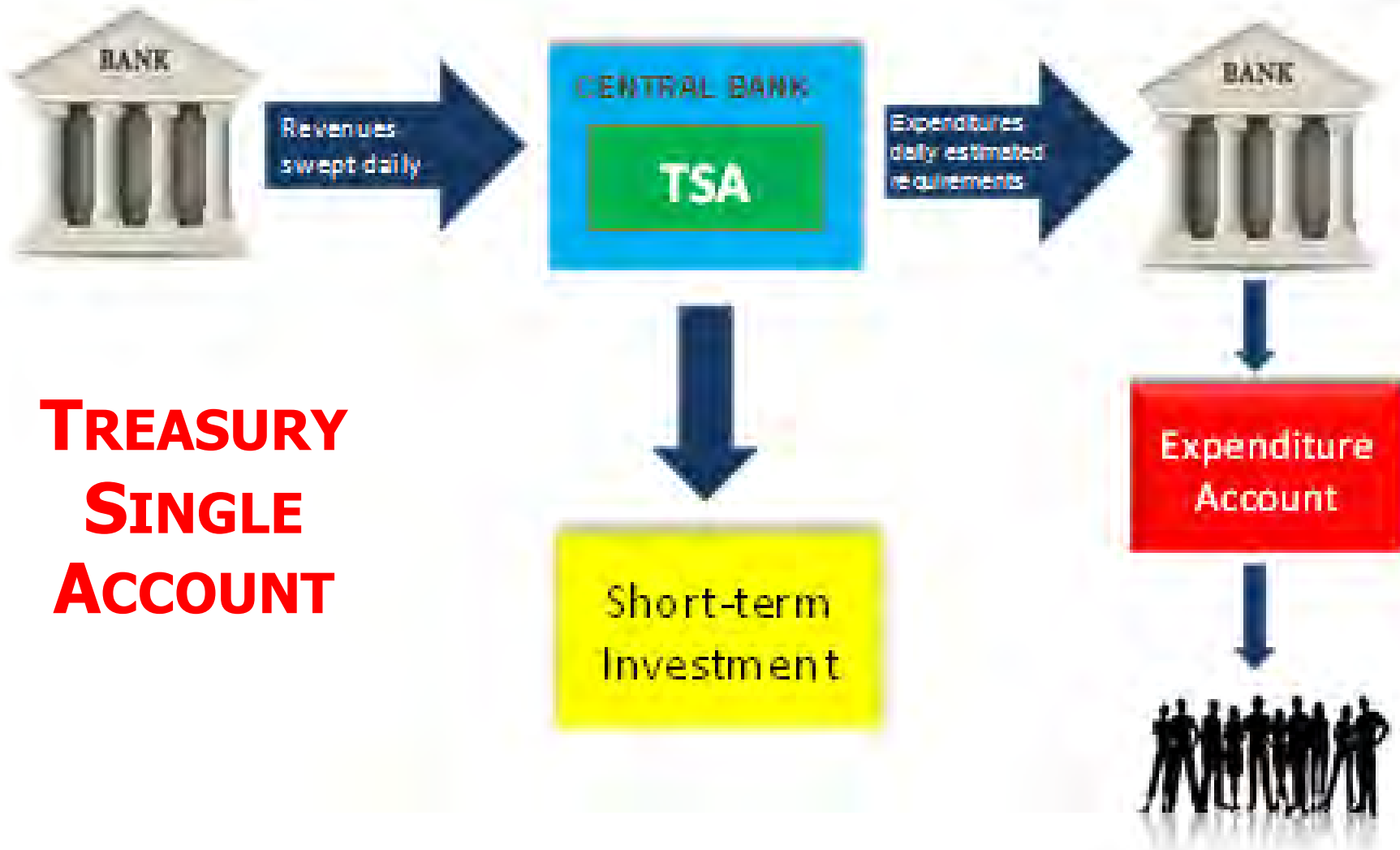
Facebook Server Farm, Prineville, Oregon



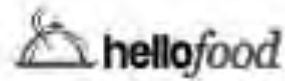


# Microsoft



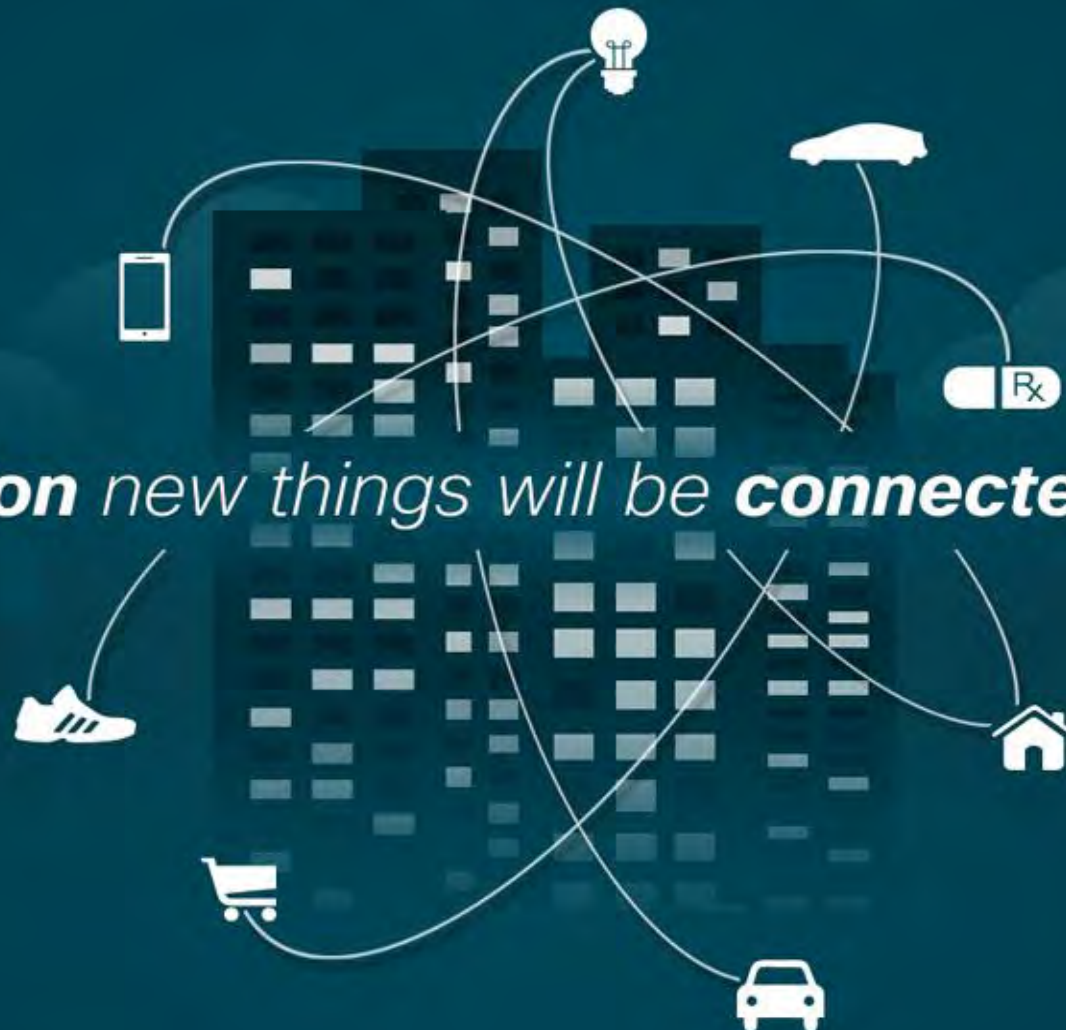


**TREASURY  
SINGLE  
ACCOUNT**

The Jumia logo features the word "JUMIA" in a bold, black, sans-serif font, followed by a shopping cart icon with a gold coin inside.The Kaymu logo consists of a grey diamond-shaped icon with a white dot inside, followed by the word "kaymu" in a lowercase, sans-serif font.The Hello Food logo features a stylized white icon of a plate with a fork and knife, followed by the word "hellofood" in a lowercase, sans-serif font.The OVAGO.com logo includes a grey icon of a suitcase with a handle, followed by the text "OVAGO.com" in a bold, uppercase, sans-serif font.The Easy Taxi logo features the word "EASY" in a bold, uppercase, sans-serif font, followed by a grey icon of a taxi with a signal tower, and the word "TAXI" in a bold, uppercase, sans-serif font.The Zando logo consists of a grey icon of a square with a diagonal line, followed by the word "zando" in a lowercase, sans-serif font.The Lamudi logo features a grey icon of a house with a chimney, followed by the word "Lamudi" in a bold, uppercase, sans-serif font.The Lendico logo includes a grey icon of a diamond shape with a white dot inside, followed by the word "Lendico" in a bold, uppercase, sans-serif font.The Carmudi logo features a grey icon of a car with a signal tower, followed by the word "carmudi" in a bold, lowercase, sans-serif font.The Pagaya logo features the word "pagaya" in a large, lowercase, sans-serif font.

# THE INTERNET **OF EVERYTHING** IS HERE.

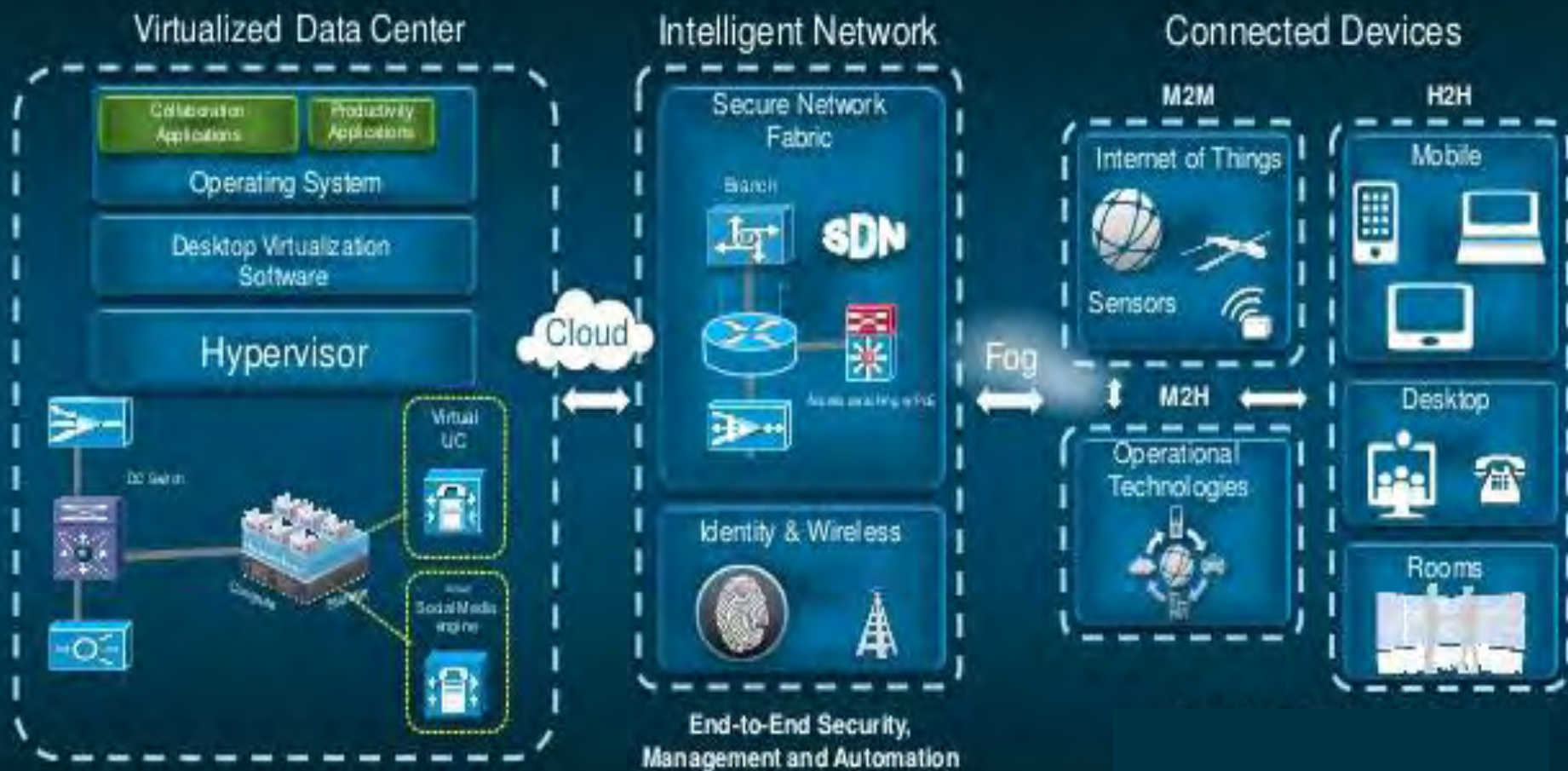
As the Internet evolves, so will we.



**37 billion** new things will be **connected by 2020.**



# Internet of Everything – General Solution Architecture



**Awareness**

**Analytics**

**Connected  
Devices**

**Decision-Making**

**Productivity**

# Addressable Nodes

- IPv4 max out at 4.3 billion
- IPv6 max out at 340 Undecillion  
or  $3.4 \times 10^{36}$

## By 2018:

- 4 billion global Internet users (52% of the world's population), up from 2.5 billion in 2013
- Average fixed broadband connection speed increase 2.6-fold, 16 Mbps in 2013 to 42 Mbps
- IP video will represent 79% of all traffic, up from 66% in 2013
- Annual IP traffic growth x3 from 2013 to 2018: reaching 1.6 Zettabytes (sextillion bytes)

What is the total Value at Stake over the next ten years?

**\$14.4 TRILLION**

**2015 - 2025**

What fuels Internet of Everything Value at Stake?



Asset  
Utilization  
**\$2.5 T**



Employee  
Productivity  
**\$2.5 T**



Supply  
Chain/Logistics  
**\$2.7 T**



Customer  
Experience  
**\$3.7 T**



Innovation  
**\$3.0 T**

The Internet of Everything has the potential to grow **global corporate profits by 21%** in aggregate by 2022.



**Finding a  
competitive advantage**

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**Influence Factors**

**Factors Ranking**

**Offer Proposition**



## INTERIM REPORT OF INVESTIGATIVE COMMITTEE ON ARMS PROCUREMENT

**8**  
YEARS

President Buhari set up a committee to audit the procurement of arms and equipment in the security sector from 2007 -2015. The committee submitted the following interim report.

**N1.08tr** TOTAL EXTRA-BUDGETARY INTERVENTIONS TO THE FOLLOWING FIVE (5) SECURITY AGENCIES

- NSA
- DEFENCE
- AIRFORCE
- NAVY
- ARMY

### HOW MANY PROCUREMENT CONTRACTS WERE AWARDED?

**N3.8trn**

The committee observed that 513 security contracts were awarded at N3.8trn.

**12.5%**  
**53** FAILED CONTRACTS

12.5% of the total contracts worth N478bn, ended up as failed contracts.

**N337bn**  
FICTITIOUS CONTRACTS

Awarded by Lt. Col M.S. Dasuki (rtd) for the purchase of 4 Alpha Jets, 12 Helicopters, Bombs & Amunitions and were not executed, not supplied to the Nigerian Air Force neither are they in its inventory.

**4**  
ALPHA JETS

**12**  
HELICOPTERS

**BOMBS & AMMUNITION**

**N3.85bn**

Payments approved by former NSA to a single company without documented contractual agreements or fulfillment of tax obligations to govt.

**\$1bn** The amount of loan approved by the National Assembly for fight against Boko Haram.

**N28bn**

Amount the former NSA directed Central Bank of Nigeria to transfer to Societe D' Equipement International in West Africa, United Kingdom for un-ascertained purpose, without contract document.

**2** N333bn received by only two companies from all the defense contracts.



**UNKNOWN**

Number of soldiers that have lost their lives in the battle against Boko Haram insurgents.



**7,512**  
DEATHS  
IN 2014

Number of civilian casualties killed in Boko Haram Attacks

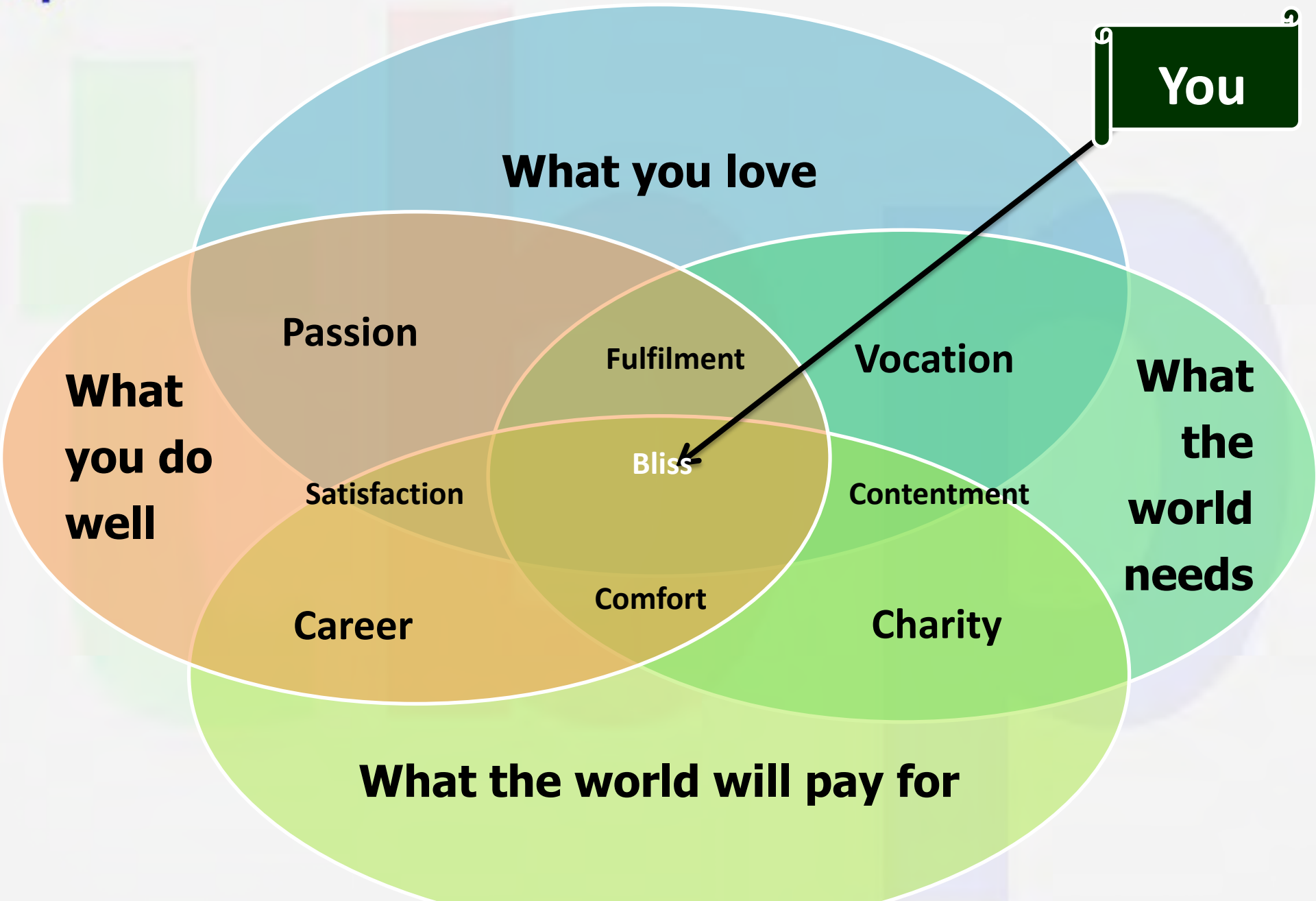
**#AskQuestions:** Will transparency in security procurement help in the fight against Boko Haram?

\*Exchange Rate \$1 to NGN299. €1 to NGN 212. \*\*According to Institute for Economics and Peace

WHAT'S  
YOUR  
STORY?



**You**



# What Drives You?

**Ma Gye Bo**

**Nagode**

**Thank you**

**Daalu**

**Shukran**

**E Se**