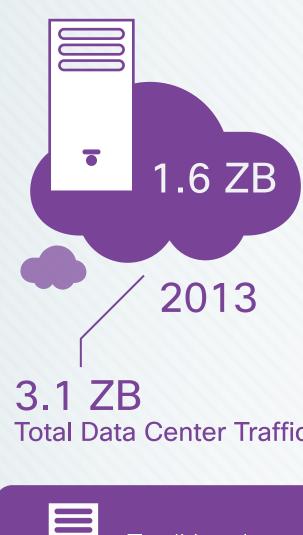
Growth In the

GOUC

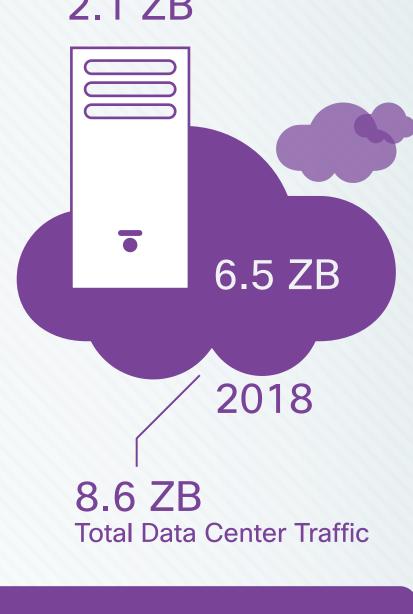
Global data center traffic is projected to nearly triple between 2013 and 2018, with data center traffic specifically in the cloud forecast to quadruple during that period.

By 2018, 76% of global data





Traditional



Cloud Data Center Traffic



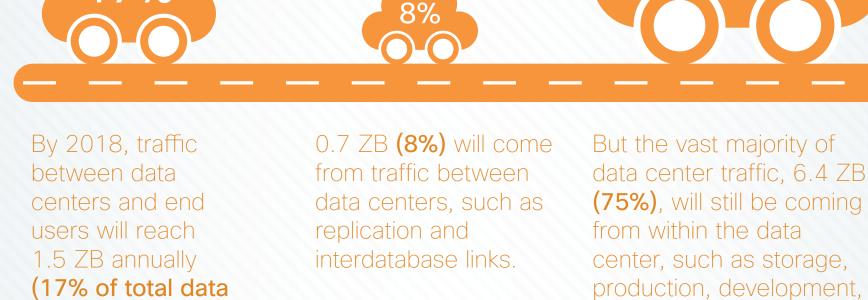
(HD) video streaming. Equal to about 3 hours of daily streamed HD video for every person on earth in 2018 (7.6 billion people).



and end users, some traffic flows between data centers, and some traffic stays within the data center.

Some traffic flows between the data center

How Do These Traffic Types Contribute to the Overall Data Center Traffic?



Cloud Traffic and Workloads Cloud traffic will quadruple between 2013 and 2018.

1.6 ZB

57 million cloud

workloads

varies by region.

Here are the regional

projections for fixed

Internet adoption as

a percentage of the

population by 2018:

Middle East

and Africa

North

America

Western

Europe

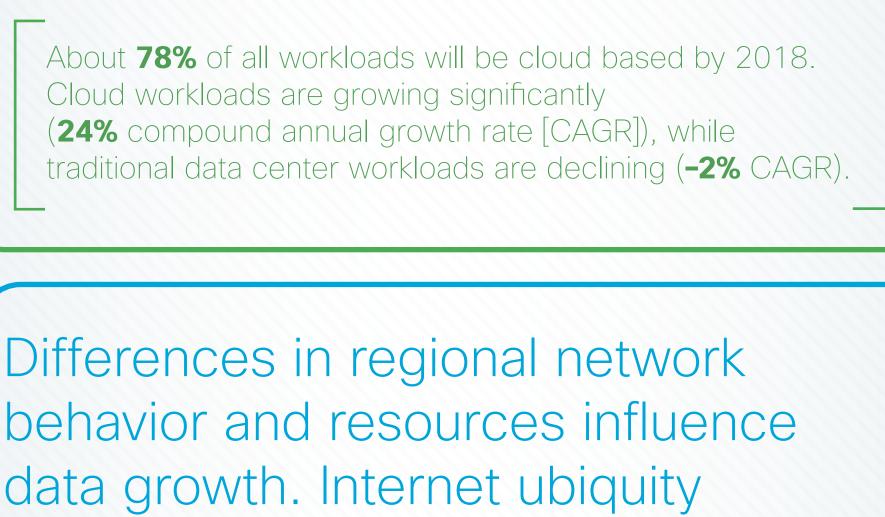
13%

76%

6.5 ZB 166 million cloud workloads

and authentication traffic.

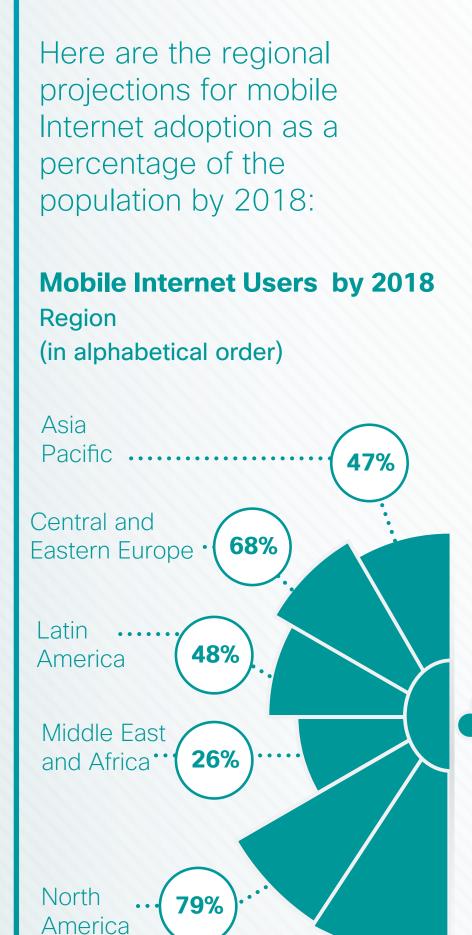




Fixed Compared to Mobile

Fixed Internet Users by 2018 Fixed Internet Users Region (in alphabetical order) Region Increases (or Deltas), 2013 to 2018 Asia Pacific **7.2**% Asia Pacific 30% Central and 13.5% ... Central and 48% Eastern Europe Eastern Europe 7.9% Latin **36%** America

71%



80%

Western

Europe

4.8% Europe Here is the projected regional growth for mobile broadband

4.7%

6.6%

Asia Pacific 22.5% .. Central and 36.3% Eastern Europe

28.2%

15.9%

23.3%



in 2013: Average Devices per Internet User by Region in 2013 (in numerical order; top 3 regions)

North America 6.61 Middle East and Africa

Here are the regions that had

the largest average number of

fixed and mobile devices and

machine-to-machine (M2M)

connections per Internet user

(in numerical order; top 3 regions) North America 10.81

Western Europe 7.97

Source: Cisco Global Cloud Index, 2014

5.95

5.02

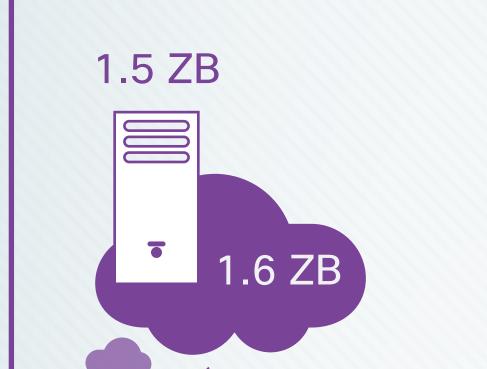
Western Europe

For More Information: www.cisco.com/go/cloudindex

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4.86



Data Center Traffic

1 zettabyte (ZB) is equal to sextillion bytes, or a trillion gigabytes. How Much Data Is 8.6 Zettabytes?

Total Data Center Traffic



Traffic Originate?

(17% of total data center traffic).

Here is the projected

fixed Internet adoption

between 2013 and 2018:

regional growth for

Latin

America

Middle East

and Africa

North

America

Western

Latin

America

Middle East

and Africa

North

America

Western

Europe

adoption between 2013 and 2018: **Mobile Internet Users** Region Increases (or Deltas), 2013 to 2018 (in alphabetical order)

Regional Fixed and Mobile Device Ownership and Connections Influence Cloud Readiness

per Internet user by 2018: Average Devices per Internet User by Region by 2018

Central and Eastern Europe