Introduction to Enterprise Computing
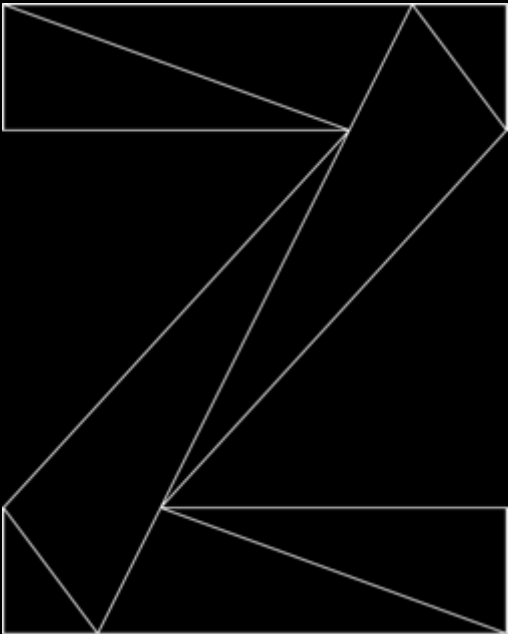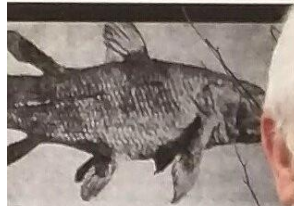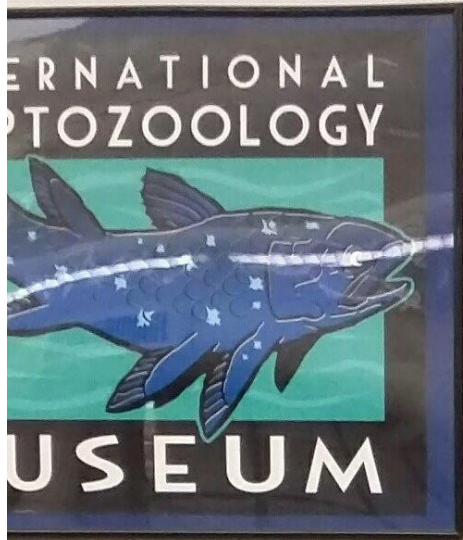
Elizabeth K. Joseph

@pleia2

Confession:

I didn't believe Enterprise Computing was a real thing

What happens in one second?

| 5,787 Tweets | 18,519 swipes | 20,000+ Photos shared | 63,000 searches | 1,157,407 IBM Z transactions |

The backbone of the world's leading businesses

7
of the top 10
global retailers

85
of the top 100
worldwide banks
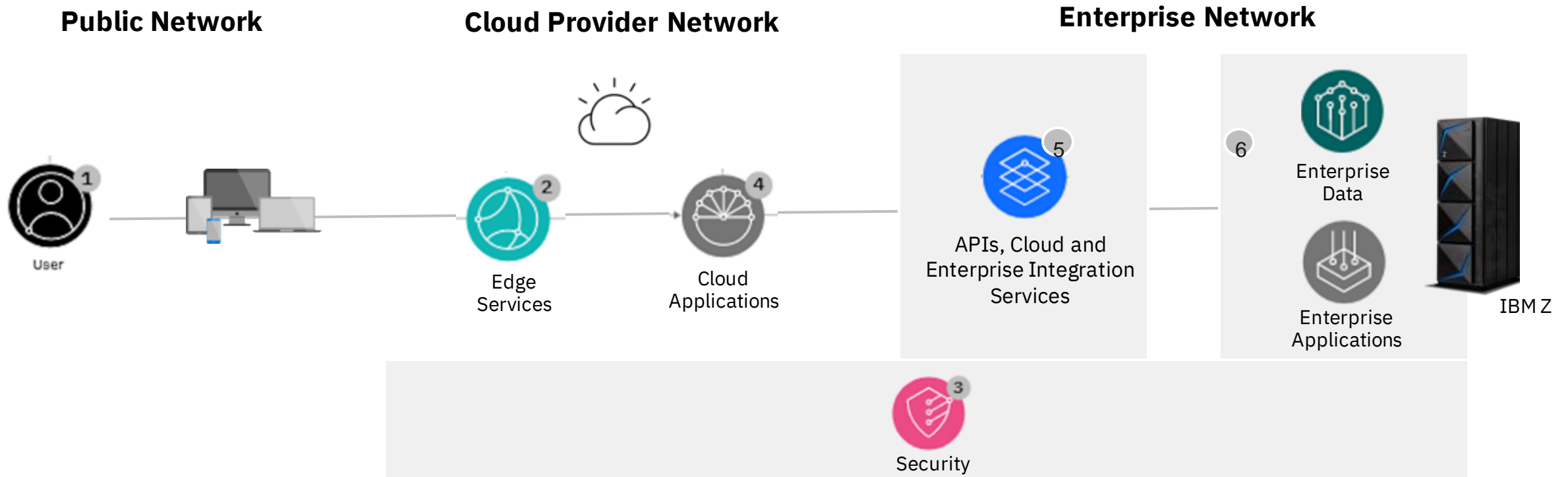
4
out of 5
of the world's
largest airlines

8 out of 10
of the world's
largest insurers

What is Enterprise Computing and IBM Z?

The systems behind the scenes running apps – from networking to infrastructure

68% of the world's
production IT workloads run
on mainframe systems

Public Network

Cloud Provider Network

Enterprise Network

User

1

2 Edge Services

4 Cloud Applications

5 APIs, Cloud and Enterprise Integration Services

6 Enterprise Data

Enterprise Applications

IBM Z

3 Security

IBM Z and LinuxONE
Elevating protection for Confidential Computing

Dedicated cryptography

Delivered massive secure transaction throughput

Pervasive Encryption

100% protection of data within the system

Data Privacy Passports

100% protection of data wherever it resides

**No changes to applications
No impact to service levels
Ultimate risk mitigation for Digital business**

Demand for IBM Z and IBM Z Skills

90%
Platform for Growth and long-term applications

67%
X-Large shops have majority of Data on mainframe

56%
Using DevOps on the mainframe

74%
See ROI in 1 year or less with DevOps adoption

63%
Rate Security and Compliance as #1 top priority

Source: BMC Mainframe Survey 2020

Students pursuing careers in technology are focused on **five primary things** in a potential career.

Enterprise Computing outperforms other IT roles

● Enterprise computing role   ○ Other computing role

Good salary
Average reported starting salary for enterprise computing is **$70,100** versus $62,950 of other mixed IT roles.

Good work-life balance
A good work-life balance *(% rating 8, 9, or 10 out of 10)*

- Enterprise computing role: 70%
- Other computing role: 57%

Ability to make a social impact
Social impact, for example, the ability to contribute to open source, social, or community groups, with your technical skills

- Enterprise computing role: 69%
- Other computing role: 38%

Working on something that aligns with primary interests in technology
Opportunity to work with leading-edge tech

- Enterprise computing role: 70%
- Other computing role: 57%

Job security/role versatility
Nearly **90%** of professionals in enterprise computing careers agree the job market for their skill set is growing, and **75%** believe there is a shortage (i.e., high demand) for their skill.

Enterprise Computing enables you to work in a wide variety of areas….
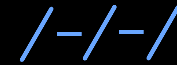
Hybrid Cloud

Within 5 years, more than 50%+ of U.S. P&C insurers will put new core systems in the cloud.

Analytics

Insurers are expected to spend approximately $8.3B, or 8% of their overall spending, with big data and analytics vendors in 2019, growing to $11.5B in 2022

Blockchain

Insurance Blockchain market is expected to grow to $1.4B by 2023, at a CAGR of 85%

Insurtech

VC investments almost doubled in last two years, 1.7B in 2016 to $3B in 2018

Artificial Intelligence

AI spend from spend $1.1B , in 2019 to $2.6B in 2022

Internet of Things

Insurance industry is expected to spend $7.7B on IoT in 2019, growing to $12B in 2022.