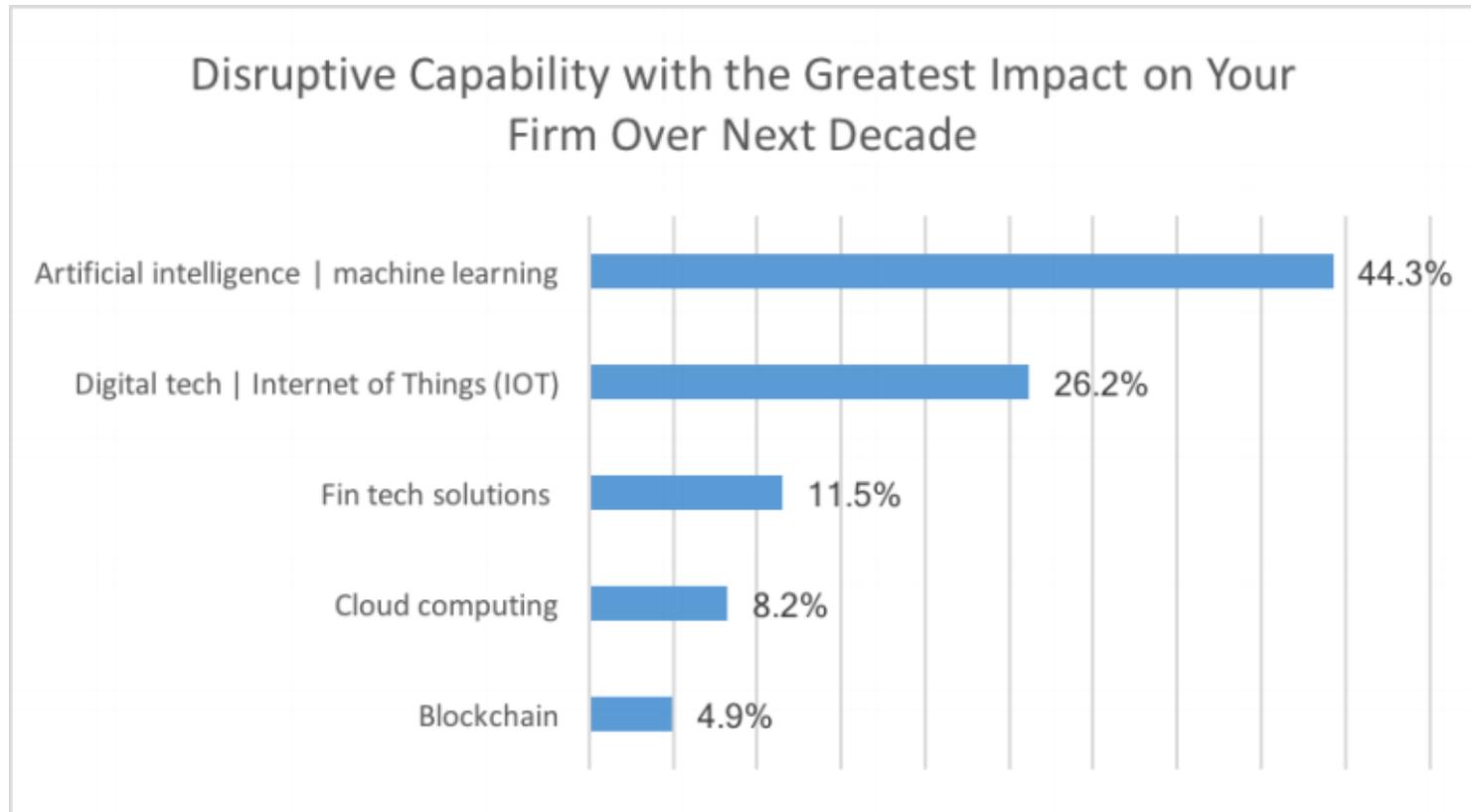




# Cloud: Disruptive vs Enabling Technology?

- Big Data Executive Survey of Fortune 1000 Businesses, 2017



- A report from Citrix (2018) argues that, by 2025, the term 'cloud' will have gone the way of 'internet' et al, its ubiquity forcing a semantic sea-change.

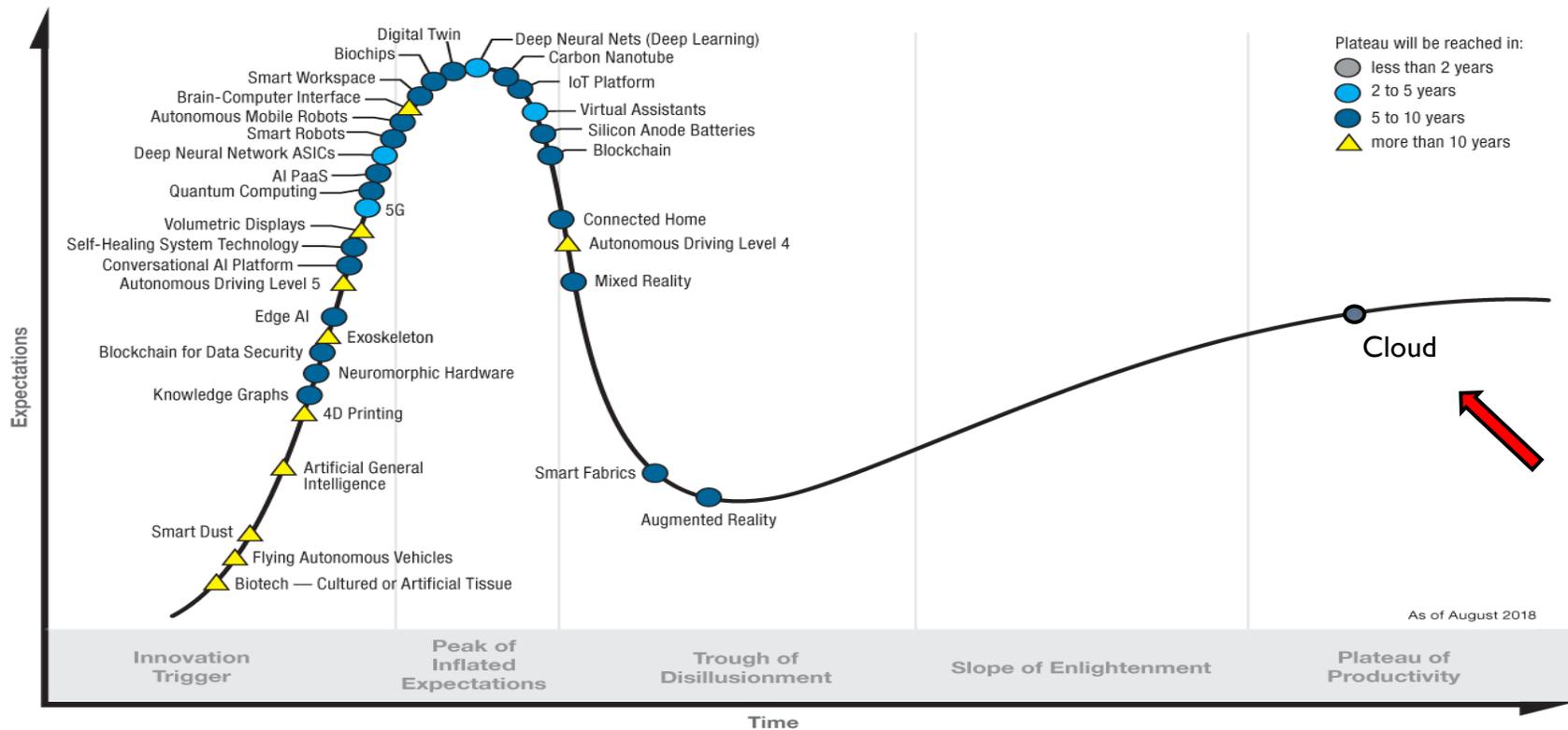
# Future of the Cloud

- More than half (56%) of IT decision makers see cloud technology as being so embedded in the enterprise that it will no longer be seen as a separate term.
- Cloud is the generator for the next wave of disruptive technologies, the enabler for (almost) all the exciting applications.
- The future cloud will be a platform for the implementation of innovative technologies and services.



# Reaching Plateau of Productivity

## Hype Cycle for Emerging Technologies, 2018



[gartner.com/SmarterWithGartner](https://gartner.com/SmarterWithGartner)

Source: Gartner (August 2018)  
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**Gartner**

# Future Research Enabled by Cloud

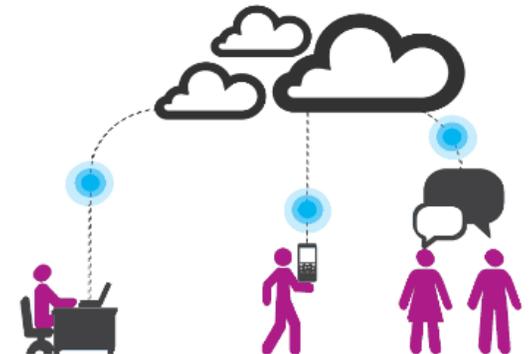
Future applications will combine **Cloud + AI + IoT** (providing performance, intelligence, and close proximity to the user)

- Smart Health
- Smart Cities
- Virtual Assistants
- Self Driving Vehicles
- Augmented Reality
- Industry 4.0
- ...

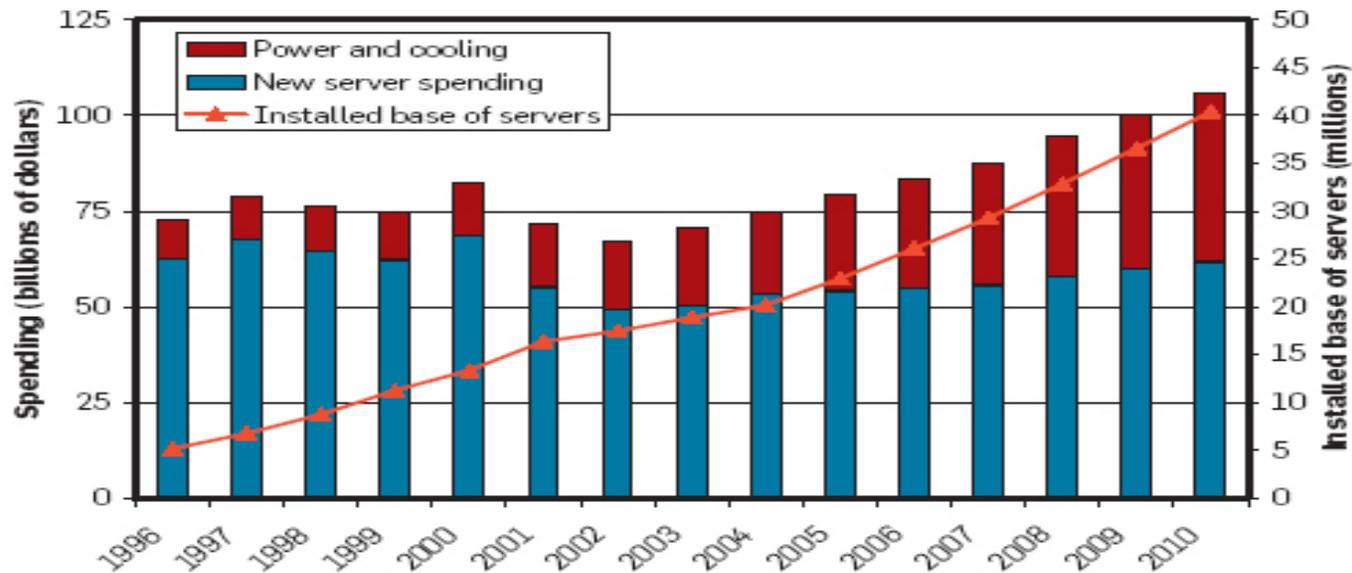


# Future Cloud Research

- **Federated / Multi- Clouds** (By 2024, more than 90% of the enterprises will have intensively multi-cloud environments)
- **Cloud-to-Edge** (1 in 3 companies use edge computing for a majority of their cloud operations)
- **Interoperability** (63% of companies rely on open source solutions)
- **Data Anywhere Anytime** (global data expected to reach 175 zettabytes)
- **Reducing the Energy Cost** (measured in billions of dollars today)



# Need for Green Clouds



What is the greatest facility problem with your primary data center?

