

**2018** ATEA  
**BOOT**  
**CAMP**

# Välkommen

**Microsoft**

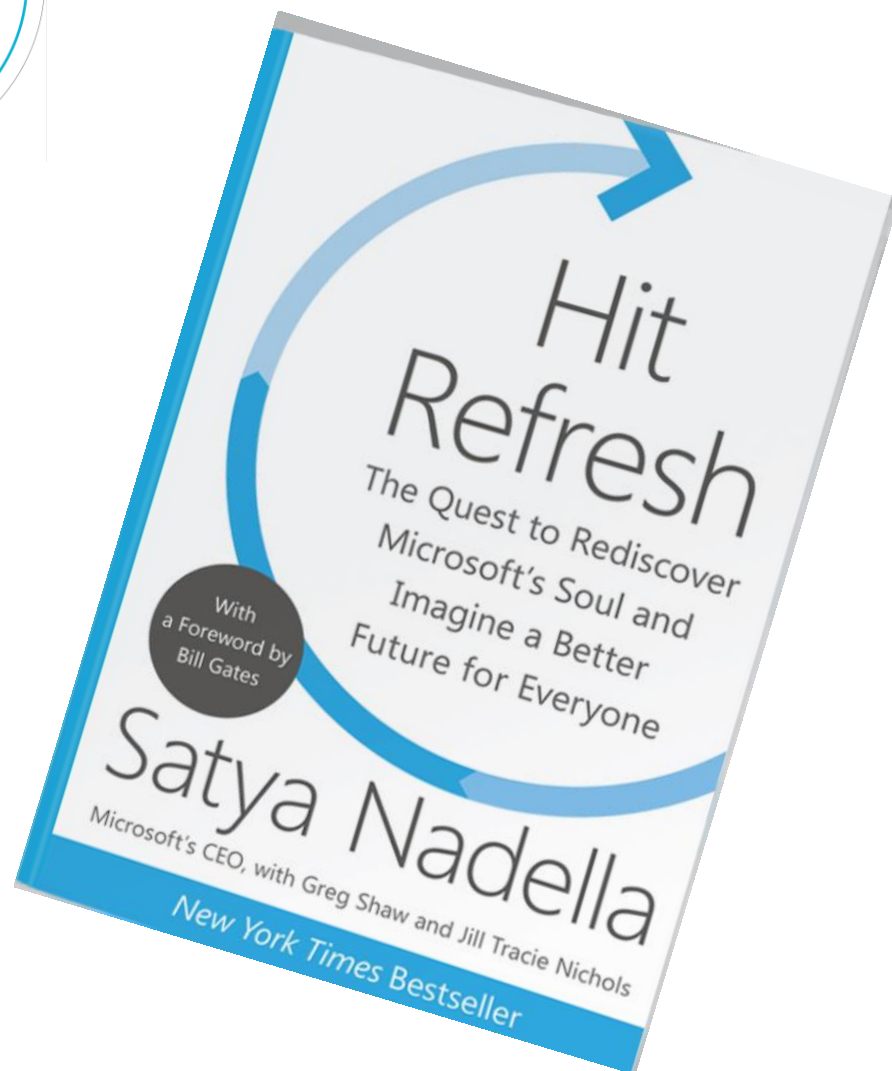
Vill du lyckas med AI? Steg 1 - Dataplattformen

Föreläsare:

Jonas Dahlberg, Microsoft

#HitRefresh

## Vill du lyckas med AI? Steg ett: Förändra er dataplattform!

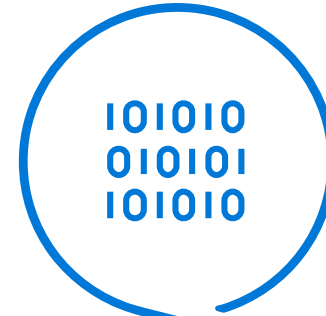


Saqib Shaikh : Microsoft Developer Can 'See' Using Artificial Intelligence Headset





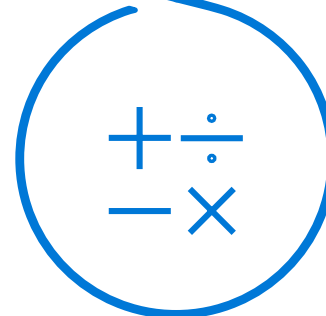
# Why AI, Now?



Massive  
Data

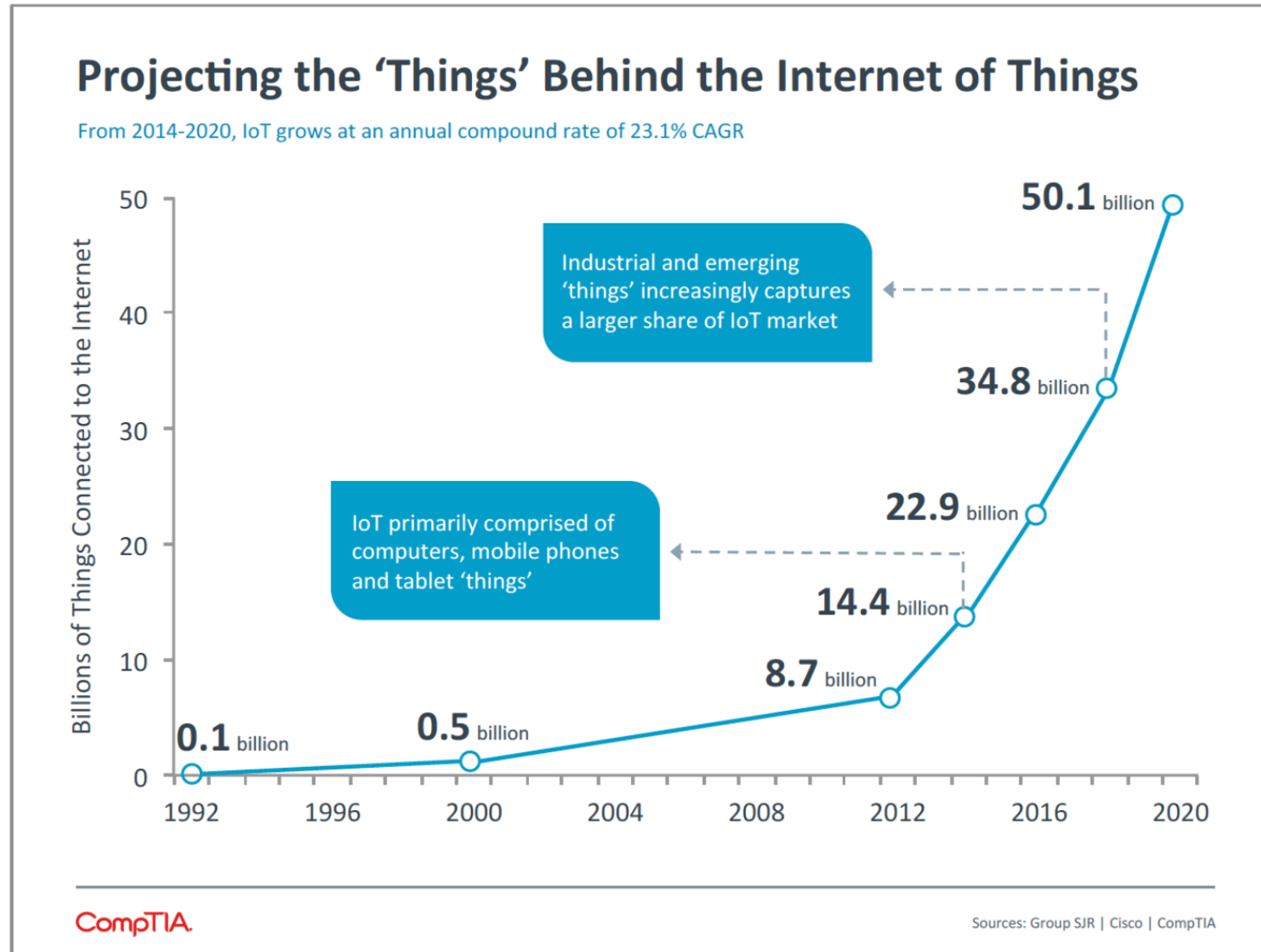


Big Computing  
in the Cloud



Powerful  
Algorithms

# Things connected to the Internet = New data!



# AI DEMO



# Microsoft AI Platform

## Azure AI Services



### PRE-BUILT AI

Cognitive Services

### CONVERSATIONAL AI

Bot Service

### CUSTOM AI

Azure Machine Learning

## Azure Infrastructure



### AI ON DATA

Cosmos DB

SQL DB

SQL DW

Data Lake

Spark

DSVM

Batch AI

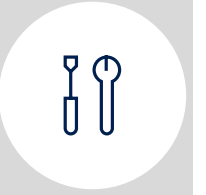
ACS

IoT Edge

### AI COMPUTE

CPU, FPGA, GPU

## Tools



### CODING & MANAGEMENT TOOLS

VS Tools for AI

Azure ML Studio

Azure ML Workbench

Others (PyCharm, Jupyter Notebooks...)

### DEEP LEARNING FRAMEWORKS

3rd Party

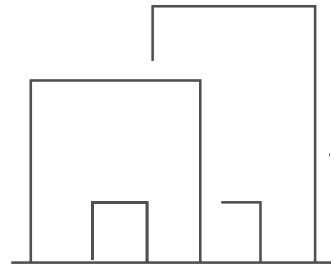
Cognitive Toolkit

TensorFlow

Caffe

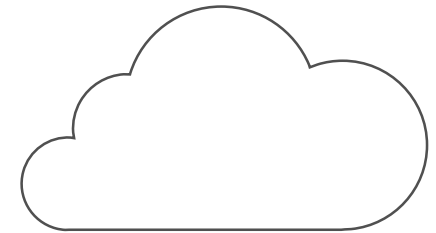
Others (Scikit-learn, MXNet, Keras, Chainer, Gluon...)

# THE MODERN DATA ESTATE



On-premises

← HYBRID →



Cloud

- Operational databases
- Data warehouses
- Data lakes

- Operational databases
- Data warehouses
- Data lakes



Reason over any data, anywhere

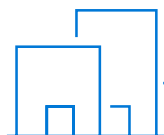
Flexibility of choice

Security and privacy



# THE MODERN DATA ESTATE

Microsoft's on-premises solution



## SQL Server

Industry leading on-prem database

Operational databases >



Industry leader 4 years in a row

Data warehouses >



#1 TPC-H performance

Data lakes >



T-SQL query over any data

Reason over any data, anywhere



Only commercial DB with AI built-in



Flexibility of choice



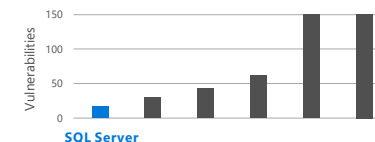
Any language, any platform, anywhere



Security and privacy



Most secure over last 7 years



# THE MODERN DATA ESTATE

Microsoft's cloud solution



## Azure data services

Operational databases



**70% faster than competition**  
Azure SQL Database



**Industry leading SLAs**  
Azure Cosmos DB

Data warehouses



**2x the global reach**  
Azure SQL Data Warehouse

Data lakes



**99.9% SLA**  
Azure Data Lake, HDInsight

Reason over any data, anywhere



**AI built-in**



Flexibility of choice



**Any language, any platform, anywhere**



Security and privacy



**More certifications than any other cloud**



# Recept för en god soppa



- Lokala råvaror
- Exotisk råvara
- Avsmaka ofta

**2018** ATEA  
**BOOT  
CAMP**

# Tack för mig!

Jonas Dahlberg, Microsoft

Vill du veta mer, registrera dig vid utgången.

Betygsätt gärna passet i appen.

REJTA  
MITT PASS  
I APPEN