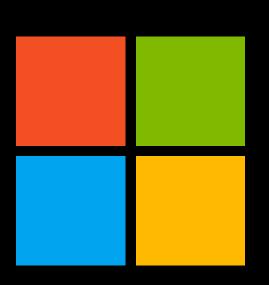


Open Source Summit 2020

Mandar Kulkarni,
Director – Cloud Solution Architect Team (OCP)
Microsoft India





Our mission

Empower every person and every organization on the planet to achieve more

Tech intensity = $(Tech adoption x Tech capability)^{Trust}$

Tech intensity



Gaming



Modern life



Modern workplace



Business applications



Applications & infrastructure



Data & Al

Tech intensity

GitHub

Azure

Power Platform

Dynamics 365

Mixed reality

Microsoft 365

Complete toolchain for developers



Visual Studio



Visual Studio Code



Azure PlayFab

50B

connected devices by 2030

90%

of data created in the last two years

Azure

The world's computer



56Azure regions worldwide

>90
Compliance certifications

What is Azure?



Edge Devices

Azure Stack Azure Data Box Azure Sphere Azure Kinect HoloLens



Serverless

Web Databases

Mobile Analytics

Mixed Reality Al + Machine Learning

Containers Internet of Things

Events + Integration Media



Tools

Visual Studio GitHub

PowerApps

Power BI

Infrastructure

Compute Networking Storage Security Identity

Azure provides best in class performance



Compute performance

960 CPUs

Largest in public cloud



Memory

24
TB RAM

Largest in public cloud



Remote Storage (single disk)

160K

Fastest in public cloud



Local storage

3.7M

Fastest in public cloud



File storage

100K

Fastest in public cloud



VM-VM Networking

30 Gbps Ethernet 100 Gbps InfiniBand

Fastest in public cloud



Hybrid Networking

100 Gbps Connectivity

Fastest in public cloud



Open

Contribute

Microsoft contributes code and thought leadership to open source communities, engaging developers as developers

Innovate

Microsoft releases key innovations as open source for others to use and build upon



Enable

Azure enables every developer and organization to more easily adopt open source in the cloud, without having to be an expert

GitHub contributions

2018 Visual Studio Code 2017 ranked #1 developer tool (Stack Overflow, 2018 developer survey) Microsoft **Azure Kubernetes** Service Fabric Service launched 2016 **Open Sourced** Draft, Brigade, Kashti .NET Core 1.0 Azure Sphere with projects submitted to Linux kernel Kubernetes community PowerShell Core 2015 GitHub acquisition SQL on Linux announced Microsoft joins Cloud Native Computing & Windows Subsystem for ~5,000 Microsoft Visual Studio Code Cloud Foundry Linux in Windows 10 employees committing released **Foundations** 2014 to open source projects Microsoft joins on ĠitHub HDInsight (Hadoop/ Azure Database Linux foundation Satya "Microsoft Ubuntu) announced for Postgres & loves Linux" Azure trending MySQL announced to 50% Linux Microsoft jointly forms .NET Foundation created Node.js foundation Azure Databricks (Apache Spark) announced 314,546 601,886 314,970 95,539 778,871 2018 2014 2015 2016 2017

Azure is an open cloud

DevOps





















Management





















Applications



















App Frameworks & Tools















Databases & Middleware





























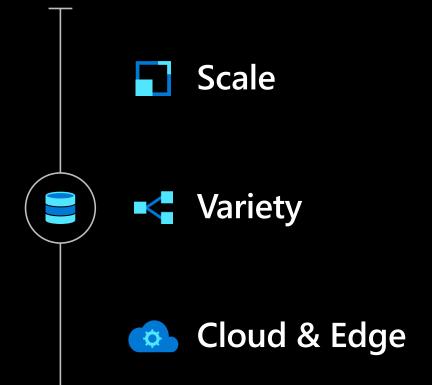






Azure databases & Azure analytics

Limitless data estate



Azure operational database services











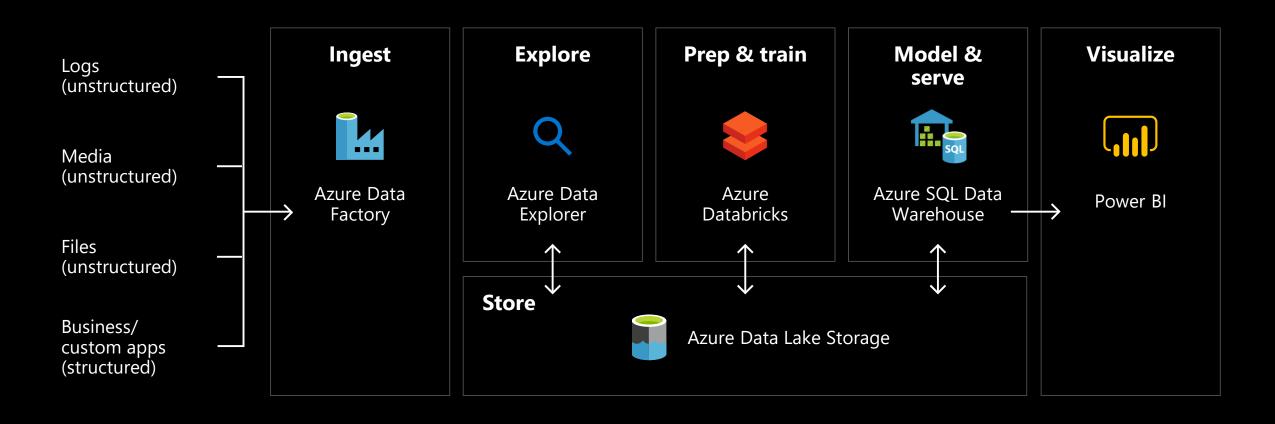
Azure SQL Database Azure Database for PostgreSQL

Azure Database for MySQL

Azure Database for MariaDB

Azure Cosmos DB

Azure enables analytics at cloud scale



Object recognition 2016 **Human parity** Speech recognition 2017 **Human parity** Azure Al Machine reading comprehension 2018 **Human parity Democratizing Al** Machine translation **Human parity** Speech synthesis Near-human parity **Conversational QnA** 2019 **Human parity**

New Azure services and updates



Be future ready

Build on your terms

Operate hybrid seamlessly

Trust your cloud