

Why Change is Hard

Regulated Industry

Regulations create individual responses, and lead to inertia

Technical Debt

Enhance access to high quality data and enrich data quality through artificial intelligence

Culture

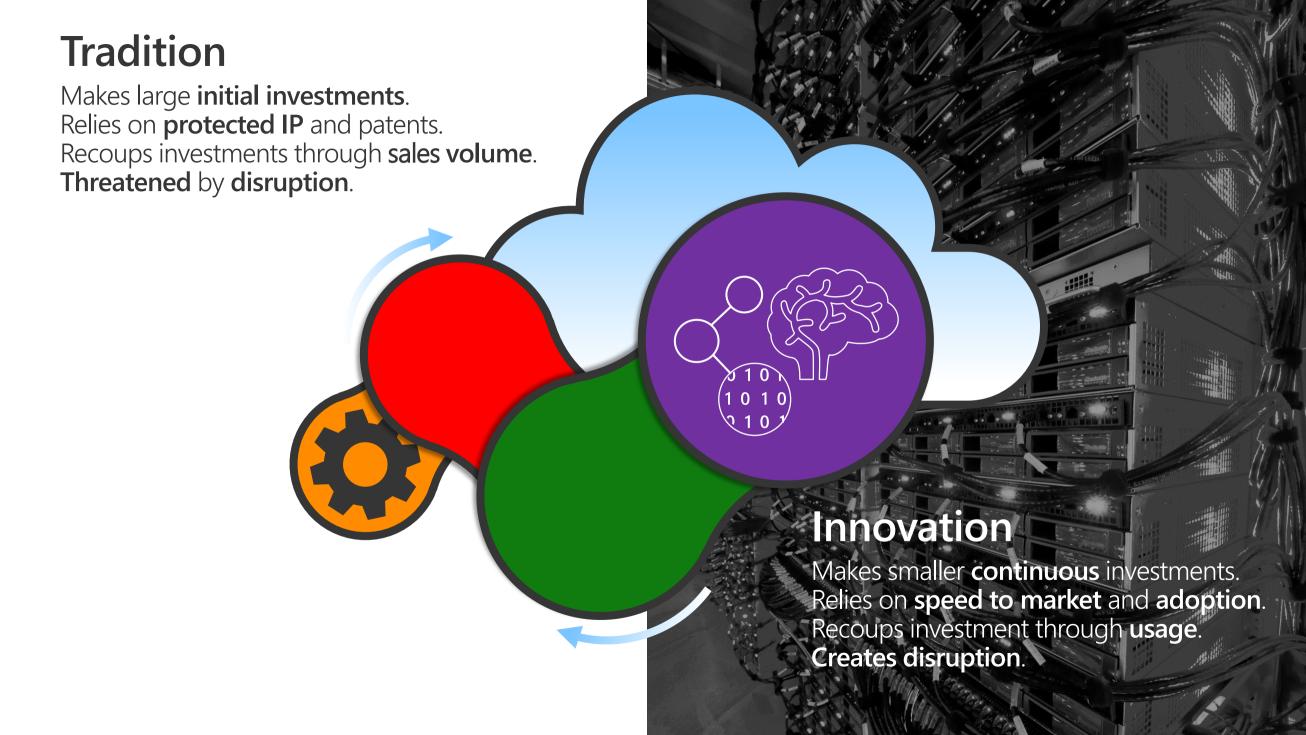
Biopharma Companies are not software companies





EVERY business will become a software business.

SATYA NADELLA [CEO, MICROSOFT]



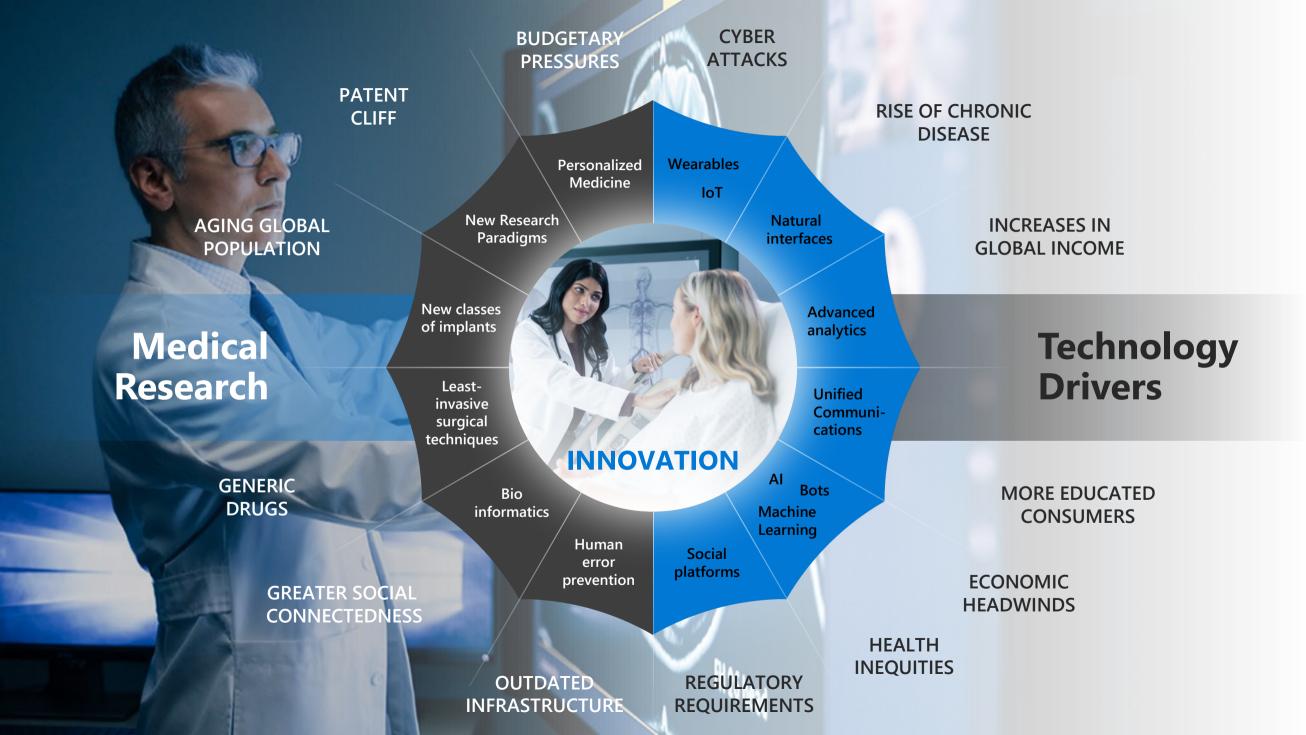
Nightscout uses Microsoft cloud technologies to help Type 1 diabetics achieve better glycemic control

Nightscout makes my life easier because instead of my mom testing me all the time or asking me what my number is all the time, she just looks at her watch."

Logan, age 8Nightscout user







Technology Example - Blockchain

The Challenge	Blockchain Can Provide
Fragmented Medical Records	A decentralized heath record with the patient at the center
Lack of confidence in the supply chain	Assurance of trust in a 100% digital supply chain
Issues with data integrity as documents move between systems	Assurance of the integrity and provenance of documents
Counterfeit Drugs	Smart Labelling, assured by blockchain
Lack of assurance in genomics data	Assurance that genomics data has not been tampered with
Few incentives for healthy patient behavior	System that tracks healthy behaviors and rewards patients in tokens





Facebook Offers Tools for Those Who Fear a Friend May Be Suicidal



Uber Sets Sights on Leveraged Loans for Even More Money



Twitter Invests \$70 Million in SoundCloud Music Service

PAID POST: OPPENHEIMERFUNDS Learn the Biology Behind How We Make Decisions

Microsoft Finds Cancer Clues in Search Queries

By JOHN MARKOFF JUNE 7, 2016



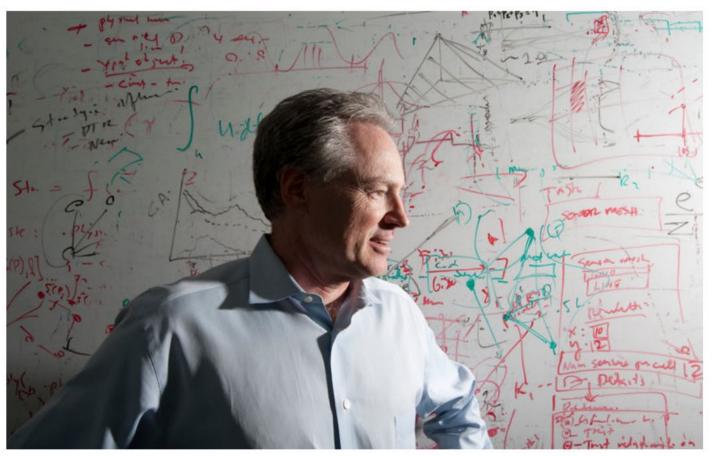








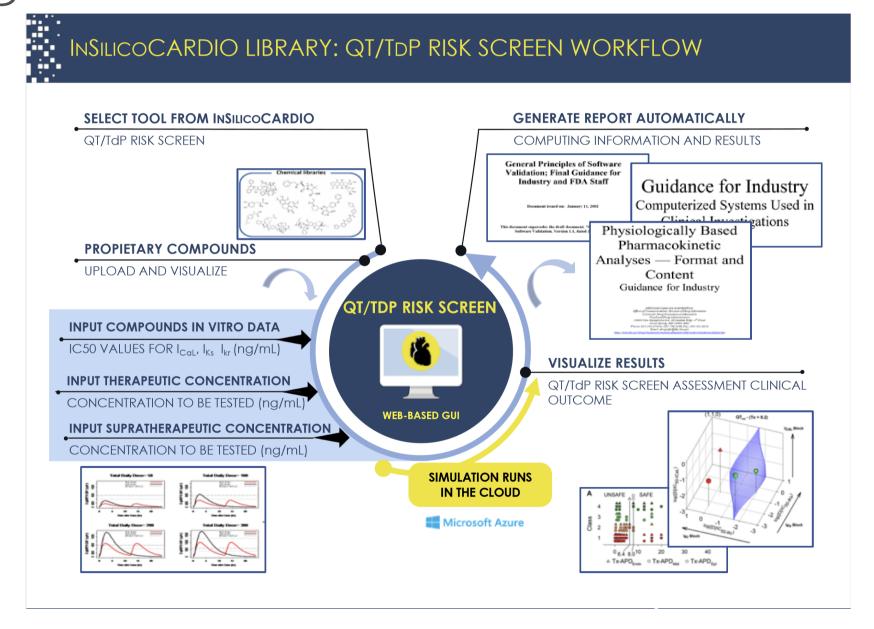




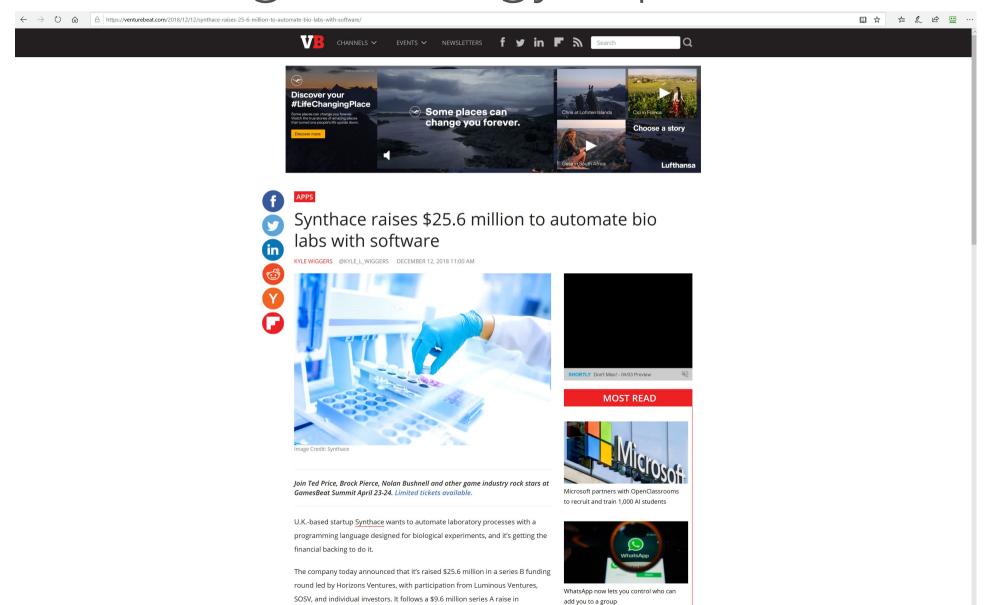
Dr. Eric Horvitz is one of the Microsoft researchers who conducted the study. Kevin P. Casey for The New York Times



Modelling and Simulation for R&D



Digital Encoding of Biology Experiments



September 2017, bringing Synthace's total venture capital haul to \$35.2 million.

Questions?

