

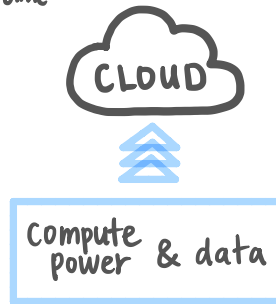
Introduction to Digital Transformation with Google Cloud

Cloud computing refers to the technology and processes needed to store, manage, and access data that is transferred over the “cloud”, rather than the data remains on user’s computer hard drive

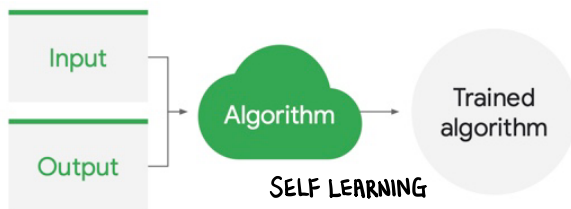
Burning Platform effect : Abandoning old technology for a new one

Delivers high-performance analytics & enable businesses to reduce equipment downtime

Process Automation, Creating open and real-time Collaboration opportunity



In the context of cloud, computing is the ability to process information, to store, retrieve, compare, and analyze it, and automate tasks most often done by a computer program



It is possible to provide both input/output data side by side and generating a trained algorithm

~ PAY FOR WHAT THEY USED WHEN THEY USED IT ~

Introduction to Digital Transformation with Google Cloud

Digital Transformation With Google Cloud

Adopting new ways of working

Innovation

How organizations need to
change the way to thrive

- (1) Relies on people being able to try things and failing without judgement
- (2) Depends on employees having access to information they need to develop fresh, realistic ideas

Traditional vs. Modern IT infrastructures

INFRASTRUCTURE

Process of replacing legacy HW and systems and Consolidating them into Clouds

i.e. new governance policies, ensuring security systems are in place, etc

Benefit :Advantage of high performance computing in a cost-effective, scalable way

Modern approach to application development

BUSINESS PLATFORMS

Enabling integration between systems and granting users the correct access privileges in an organization and beyond

Modernization Focus Areas

Importance of data in Digital Transformation

APPLICATIONS → include DevOps

Refer to programs and software that enable people to perform various digital tasks

DevOps is a set of practices that aim to increase software delivery velocity, improve service reliability, and build shared ownership among software stakeholders

Security considerations for cloud application

Shared Responsibility Security Model

In this model, Cloud Provider is responsible for the physical infrastructure like undersea cables, data centers, the personnel to manage the hw & sw, and businesses are responsible for controlling data and resource access



This means that businesses need to think carefully about appropriate governance and policies for granting and restricting access to information and applications.

+ Compliance with regional regulations is also part of security and governance.

Google Cloud Solution

1. infrastructure modernization

Once companies have modernized their infrastructure with Google Cloud, they can then leverage the innovation built into Google Cloud's technology to create new business value.

2. Business applications platform portfolio

With Google Cloud's business application platforms portfolio, businesses can securely unlock their data with APIs, automating processes and creating applications across clouds and on-premises without coding.

3. Application modernization

Businesses can better serve their users through application modernization. The tools within this pillar help businesses develop and run applications anywhere.

4. Database and storage solutions

Google Cloud's database and storage solutions include tools that help businesses migrate and manage enterprise data with security, reliability, high availability, and fully managed data services

5. Smart analytics

The smart analytics portfolio helps businesses generate instant insights from data at any scale with a serverless, fully managed analytics platform.

6. Artificial Intelligence

Google Cloud's artificial intelligence tools are built to enhance innovation and improve productivity, by integrating seamlessly into a company's existing workflow and products

7. Security

Google Cloud's comprehensive security solutions cover all aspects of protecting your business in this digital era. businesses are able to detect, investigate, and protect themselves against online threats before attacks result in damage or loss

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Six focus areas for transforming culture

Talent

covers the entire life cycle from attracting, to hiring, to nurturing, to retaining, to celebrating, and growing the talent

Environment

means more than just a workspace; Every program, every perk or service should be designed to enable a culture of innovation and efficiency and ultimately lead to job satisfaction and overall well-being

Structure

how a business organizes itself
i.e. how an organization establishes its hierarchy and management levels, and forms teams, and how people access information

Strategy

how you align people to your organization's purpose or mission
i.e. the direction you set, how you measure progress, and how you adapt to new information to achieve your vision

Empowerment

means enabling employees by giving them access to relevant information and encouraging them to use it to take initiative to solve problems and improve the business

Innovation

central to embracing new technology
doing something in a surprising new way or discovering something entirely new that adds value

Three rules to scale an innovation mindset

Rule 1 : Focus on User

Employees are also user & User Expectation

Access

users expect faster and easier services with always on capabilities that can be accessed anywhere

Engagement

users are looking for sources of valued content and expect up-to-date reliable content from multiple fields of expertise

Customization

users expect that a product or service seamlessly adapts to their individual needs and preferences

Communication

users expect to be able to communicate with service providers through a two-way feedback channel

Rule 2 : Think 10X

Generating Big Ideas

Transformation over improvement and Using technology to achieve that transformation

Leads to solutions that are Simple, empowering and deeply transformative

Rule 3 : launch and iterate

Continuous Learning

Both mindset & practice where, instead of starting off with a perfect solution, you figure out through experimentations

Shared belief held by members of a team is safe for interpersonal risk taking

strong correlation between Innovative team and high psychological safety rate



How to adopt an innovative mindset

What is your WHY?

How are you meeting user expectations?

How can you use technology to serve users 10x better?

How can you launch and iterate ideas more often?