TRACE3

Microsoft Gold Partner

All possibilities live in technology

Cloud Adoption Framework (CAF)

Cloud Strategy Methodology and Approach
Powered by Microsoft

Center of Excellence
Powered

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Cloud Adoption Framework

Cloud Strategy Methodology and Approach

Why Cloud

Who is Trace3

Why Trace3 and Microsoft CAF for Azure

How We Can Help

Where to Start

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Cloud Adoption Framework

Cloud Strategy Methodology and Approach

Cloud has become a critical component of organizational IT strategy, due to its scalability, potential to decrease cost and risk, increase agility, and the increasing digitization of technology.

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Strengthen Position

Optimize your organization and infrastructure through an elastic IT resource model for future application scalability, service-focused model and cost efficiency realization.

Increased Agility

Enable flexibility (financial, operational and technological) through the increasing suite of cloud-native services and resources while increasing transparency through data, tools, and analytics designed to empower management and inform leadership

Long-term Endurance

Alignment with technology and innovation expansion in the cloud (digital services, SaaS solutions…) requires building core capabilities and strategic planning.

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The significant growth and expansion of cloud computing is set to continue in the short-to-medium term (3-5 years). Utilizing cloud across your entire environment opens both a world of potential and marked competitive advantage for your IT growth model.

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Cloud Computing Models

IaaS – IT infrastructure rental model (servers, VMs, storage..) from on a pay-as-you-go basis

PaaS – on-demand environment for software applications without operational ownership of underlying infrastructure

Serverless –highly scalable virtual and event-driven architectures, able to consume resources on occurrence

SaaS – delivering software applications over the Internet, on demand and typically on a subscription basis

Cloud Services

- Op Intl. & Mgmt. Tools
- DevOps Pipelines
- Integration (API, ETL, etc.)
- Container Frameworks/Registry
- Developer/Engineering Toolkits
- Security and Compliance
- Network Administration
- Analytics/ML/AI
- …

Cloud Implementation Models

Private Cloud –single organization architecture may exist on or off premises (often on)

Public Cloud – open use by the general public and exists on the premises of Microsoft Azure

Multi-Cloud – two or more distinct clouds (private or public) architected for extensibility through enabling technology to allow data and application portability

Hybrid-Cloud – combination of on-premises, private and public cloud with orchestration between these platforms.

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Companies that successfully migrate to the cloud initially take the time to understand if they are equipped to handle the complexity involved in a cloud first or hybrid environment. This is where the utilization of an adoption framework can add structure for the overwhelmed.

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Minimum Cloud Foundation

A cloud environment setup with enough security and governance to host at least one application.

Key Factors:

- Initial step to define foundation for future maturity
- Great for companies with the ability to organically develop cloud capabilities
- Engages all required stakeholders

Cloud Adjacent

Applications' compute and/or data are run in the cloud that reside adjacent to cloud or software providers to promote ease of resource sharing

Key Factors:

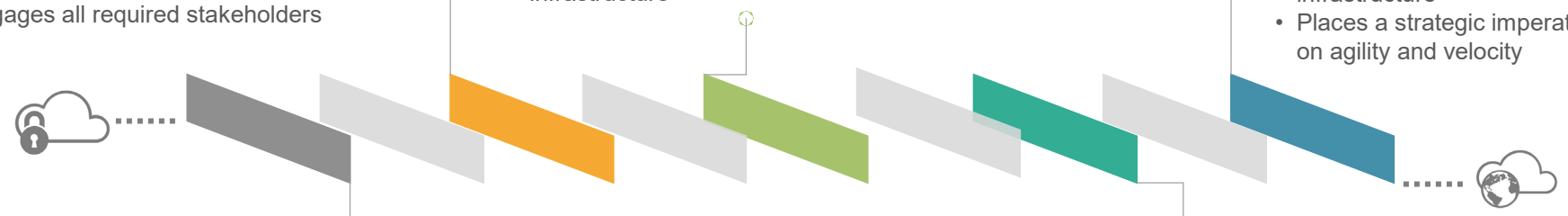
- Large existing capital expenditures on infrastructure
- Less need for agility and velocity
- More cost efficient to run most applications on owned infrastructure

Cloud Native

All IT capabilities are designed, built, optimized and operated specifically for the cloud

Key Factors:

- "Born in the cloud"
- Little to no capital expenditures on infrastructure
- Places a strategic imperative on agility and velocity



Cloud Based Disaster Recovery

Data is backed up to the cloud

Key Factors:

- Existing capital expenditures on infrastructure
- Adds additional availability and resiliency to applications hosted on-premises
- Geo-replication

Cloud First

Prioritization and preference is to leverage cloud resources, services or ascension

Key Factors:

- Places a strategic imperative on agility and velocity
- Specific need to host some applications on-premises
- Already existing capital expenditure on infrastructure

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CAF Defined

Guidance designed to help create and implement the business and technology strategies necessary to succeed in the cloud.

CAF Goal

Enable your organization through the development of an actionable plan toward unobstructed cloud adoption.

60,000 Foot View

CAF Objectives

Provide an overview of CAF areas and facilitate conversation, discussion, and Q&A.

Microsoft Cloud Adoption Framework – 60,000 Foot View

CAF Methodology

- Discovery
- Strategy Design
- Roadmap

CAF Key Deliverables

- Traceability
- Target State Vision
- Path Forward

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A Proven Model

The **Microsoft Cloud Adoption Framework for Azure** provides a set of tools, guidance, and narratives that help shape technology, business, and people strategies for driving desired business outcomes during your cloud adoption effort

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Strategy: Define business justification and expected outcomes of adoption.

Plan: Align actionable ad option plans to business outcomes.

Ready: Prepare the cloud environment for the planned changes.

Migrate: Migrate and modernize existing workloads.

Innovate: Develop new cloud-native or hybrid solutions.

Govern: Govern the environment and workloads.

Manage: Operations management for cloud and hybrid solutions.

Organize: Align the teams and roles supporting your organization's cloud adoption efforts.

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The CAF contains nine pillars across both business and technical domains. Understanding the complexities involved and applying the information revealed are where Trace3 can help.

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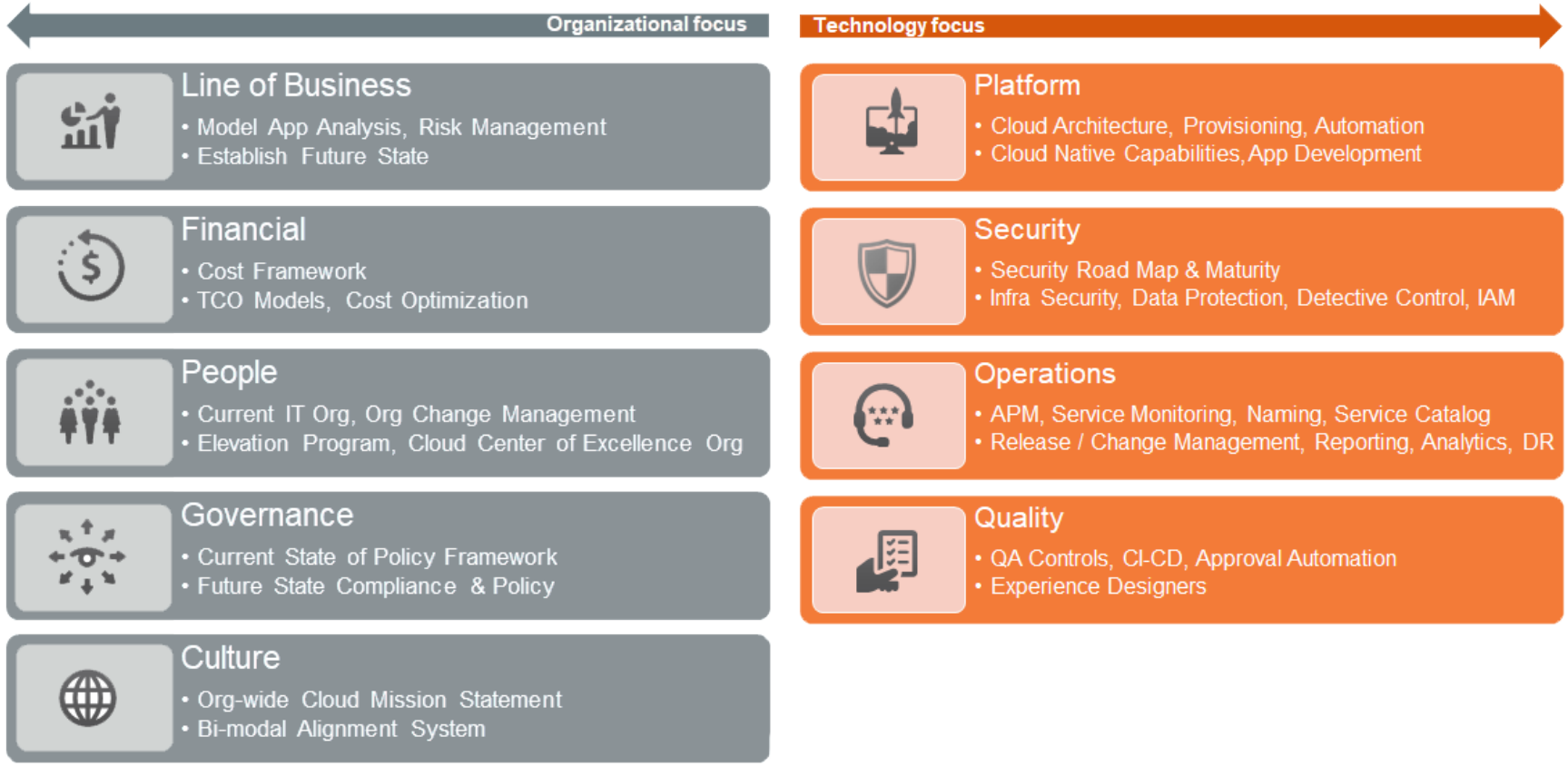
Nine Pillars of CAF



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54 locations
Throughout the US

WHO IS TRACE3?

WE ARE

Elite Engineering

Over 8,000
Clients Served

Strategic Partnerships → Microsoft Gold Partner

Over 900 (400+ engineers)
Employees

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We Are…

Transformational Readiness
Venture Relations
Research and Innovation
Executive Services

Advanced Consulting
Cloud
Security
Infrastructure
Intelligent Operations

E3 Methodology
Envision
Engage
Evolve

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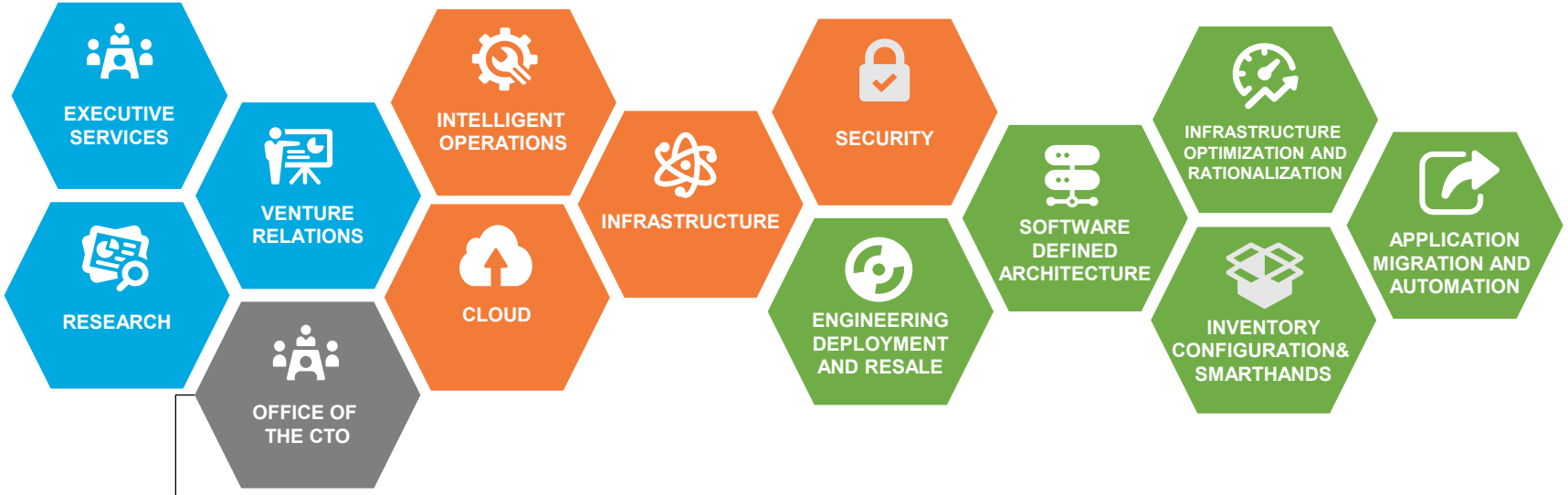
- $1.5B Revenue
- HQ Irvine, CA
- 900+ Employees
- 50 Top Tier VC Partners



- Data Intelligence
- Management Consulting
- Artificial Intelligence

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Cloud Solutions Group

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Practice Areas

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While partnering with external entities can be essential to your adoption of cloud, not all partners are created equal. Too often sales groups will steer your organization toward their own native solution rather than weighing all the benefits the market has to offer.

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Alignment: Facilitate conversations between key stakeholders of your organization (Business, Technical and Operational)

Exploration: Gather, assess and analyze across nine (9) pillars of cloud ascension

Definition: Synthesize your goals, technology and organizational maturity into an actionable strategic roadmap, informed through gap analysis for each pillar

Momentum: Collaborative process to articulate a clear vision and an approved roadmap to achieve success

Trace3 is committed to fully understanding your business objectives, culture, and technology philosophy through conversation, discussion, and Q&A between Trace3 SMEs and key organization stakeholders.

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Trace3 + Microsoft CAF Methodology

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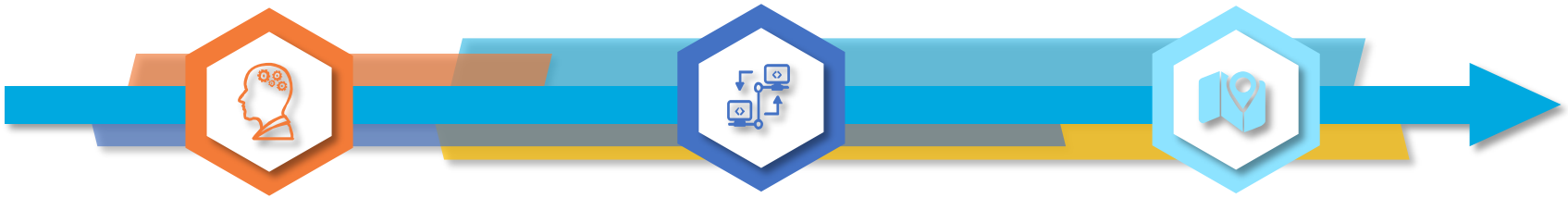

Discovery

Set of workshops to jointly align vision and outcomes, preparedness to address common obstacles, and proactively avoid pitfalls found during the stages of cloud adoption.

- Strategic Context
- Financial Framework
- Nine Pillars of Cloud Ascension
- Technology Baseline
- Capability Assessment

Strategy & Design

Synthesis and refinement of gathered information, target design, and execution considerations into a coherent technical and operational cloud vision

- Gap Analysis
- High-Level Architecture
- Design Reviews
- Cloud Operating Model
- Ascension Approach

Roadmap

Iterative development, sequencing and review to define an actionable roadmap to presents a clear path forward

- Prioritization / Milestones
- Program Delivery Model
- Dependencies
- Resourcing
- Financial Elements
- Timeline Projections

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Once implemented, your Trace-guided cloud solution will optimize your organization and infrastructure through an elastic IT resource model for future application scalability, cost efficiency realization, increased agility, and long-term endurance.

To further learn how this solution can benefit your organization, please contact your **Trace3 Cloud Representative** today.

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Q&A

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