



SAP S/4HANA Transformation Journey: **The Value of SAP HANA Enterprise Cloud**

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PUBLIC

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OUT-OF-THE-BOX
INTEGRATION



OPEN
INTEGRATION



HOLISTIC
INTEGRATION



AI-DRIVEN
INTEGRATION



Integration Solution Advisory Methodology (ISA-M)

Process Orchestration

APIs & Pre-Packaged Content

Master Data Management

Integration Styles & Technologies

Process

B2B

Data

UX

IoT

Analytics

API Management | Event Brokering | Stream Analytics | RPA

Setup & Operations

Monitoring

Automation

Extensibility

Security

Flexible Deployment Models

On-Premise

Multi Cloud

Private Cloud

Embedded

Agenda

The Core

The Destination

SAP S/HANA Consumption

The Value of HEC

Your Path: HEC

Move

- **Hyperscalers**

Optimize

- **Services**

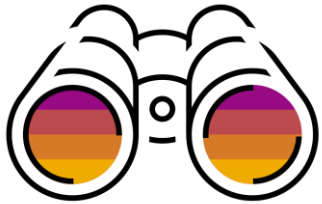
Innovate

Recap

Appendix



The Core: **SAP S/4HANA**



Establish a solid
foundation



Achieve unprecedented
visibility, TCO, and agility



Innovate and scale
to infinity

The Destination: **The Intelligent Enterprise**

Three Essential Components:



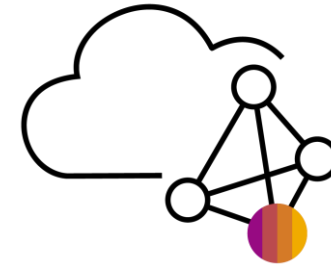
Intelligent Suite

Customer experience, supply chain and manufacturing, digital core, people engagement, network and spend management



Digital Platform

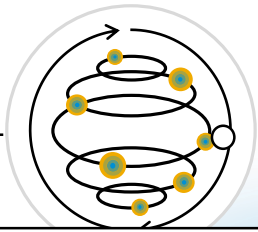
Tap into new sources of data within your business and across value chains



Intelligent Technologies

AI, IoT, and advanced analytics, to detect patterns in the data, recommend the best course of action, and optimize workflow

SAP S/4HANA offers flexibility of consumption

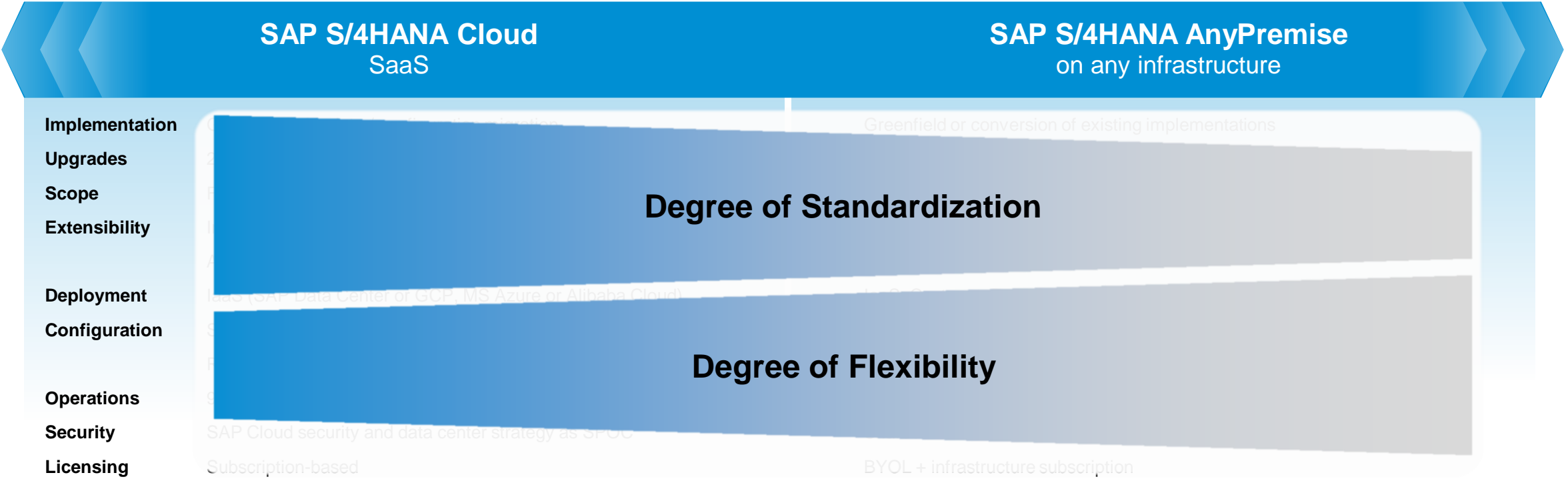


As a Service

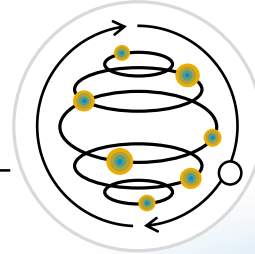
SAP S/4HANA®

As a Product

ONE Codeline
ONE Data Model -- ONE Semantic -- ONE UserExperience



SAP S/4HANA offers flexibility of consumption



As a Service

SAP S/4HANA®

As a Product

ONE Codeline

ONE Data Model -- ONE Semantic -- ONE UserExperience

SAP S/4HANA Cloud SaaS

SAP S/4HANA AnyPremise on any infrastructure

Implementation	Greenfield with data / configuration migration
Upgrades	2-4 x year, managed by SAP
Scope	Full S/4HANA scope of core ERP & extended LoB content
Extensibility	In-App & Side by side via SCP / Extensibility Framework API Hub with >300 APIs
Deployment	IaaS (SAP Data Center or GCP, MS Azure or Alibaba Cloud)
Configuration	Standardized, Best Practice / Model Company based Restricted IMG access
Operations	99.9% Availability and High-Availability
Security	SAP Cloud security and data center strategy as SPOC
Licensing	Subscription-based

Greenfield or conversion of existing implementations
Customer driven and managed
Unlimited variety of SAP and Partner Add-ons
Unlimited customer specific customization, modification and extensibility
IaaS, Customer Data Center, Hosting Providers
Model Company as starting point (recommended)
Open IMG access
Customer and provider defined
Shared customer / IaaS obligation
BYOL + infrastructure subscription



SAP HEC Value

End-to-End SLA

with up to 99.99% SLA offered for the FULL solution stack risk is owned by SAP to the logon

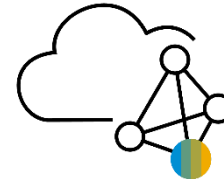


Scalable Workload

by extending infrastructure scalability to database and applications

Reference Architecture

SAP Reference architecture pre-built in S/4HANA Cloud deployment



Innovation Platform

by keeping the software stack up-to-date

Security, Transparency & Compliance

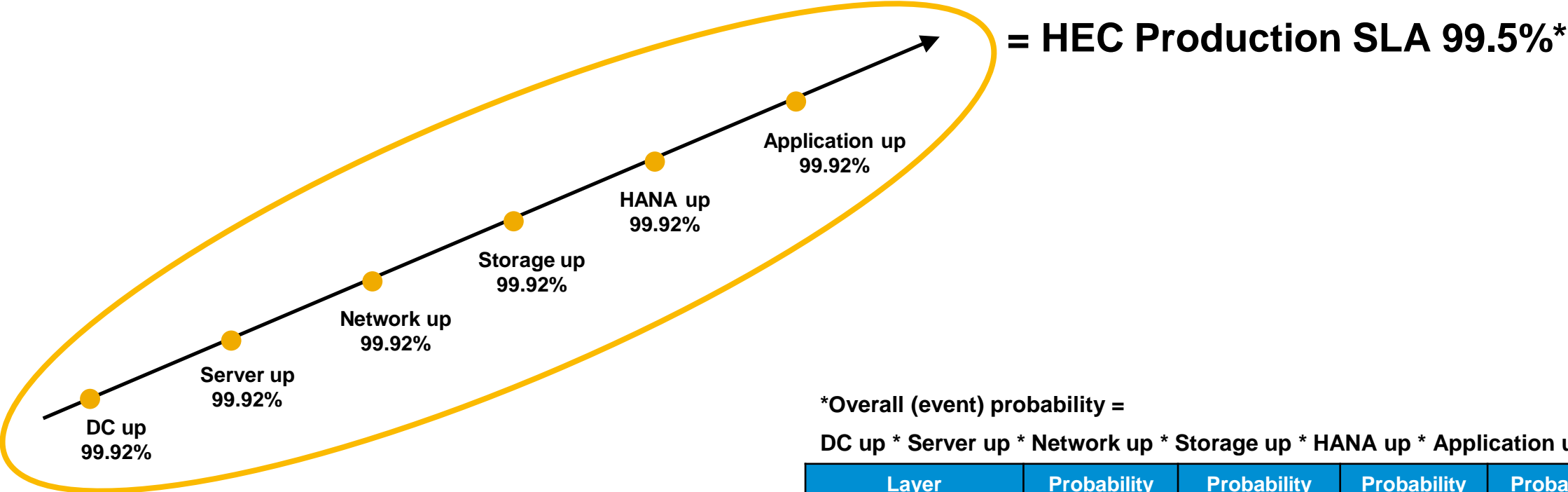
for the full solution stack leveraging Hyperscaler's shared responsibility model



Predictable Cloud Based Cost Model

one cloud subscription from SAP

HANA Enterprise Cloud End-to-End Availability



*Overall (event) probability =
DC up * Server up * Network up * Storage up * HANA up * Application up

Layer	Probability	Probability	Probability	Probability
Application up	99.92%	Not Included	Not Included	Not Included
HANA up	99.92%	99.92%	Not Included	Not Included
Storage up	99.92%	99.92%	99.92%	Not Included
Network up	99.92%	99.92%	99.92%	99.92%
Server up	99.92%	99.92%	99.92%	99.92%
Data Center up	99.92%	99.92%	99.92%	99.92%
Overall Probability	99.52%	99.60%	99.68%	99.76%

NOTE: Even with same probability of failure at each layer, the overall SLA can be increased by simply including fewer layers in the calculation.

Numbers are for example purpose only

Reference Architecture: 100% best practice



Developed in conjunction with SAP product development, Engineering and operations. **Nobody has more experience.**



Designed and built to SAP product roadmap standards. **Futureproof as standard.**



No compromises architecture principles. Engineered to ensure **maximum uptime** from hardware to application.



Globally consistent architecture standards enforced and validated into **every HEC deal in every delivery model.**

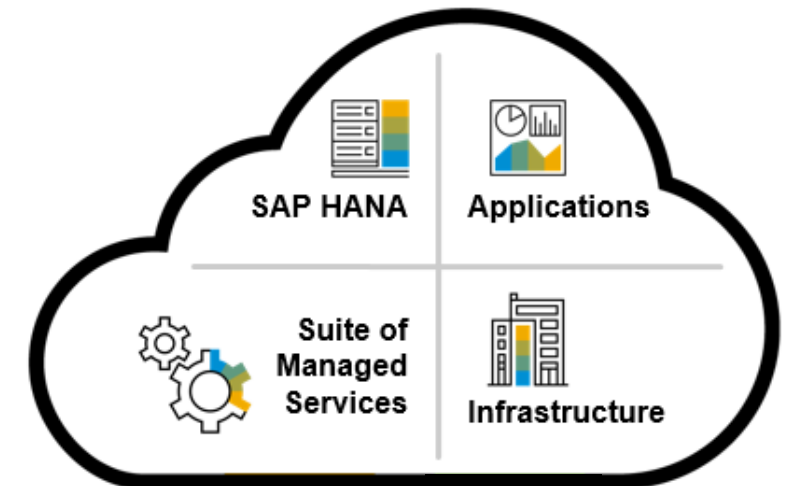


New technology release engineered for you: Safely adopt & run **new SAP software innovation** that has been tested & production ready.



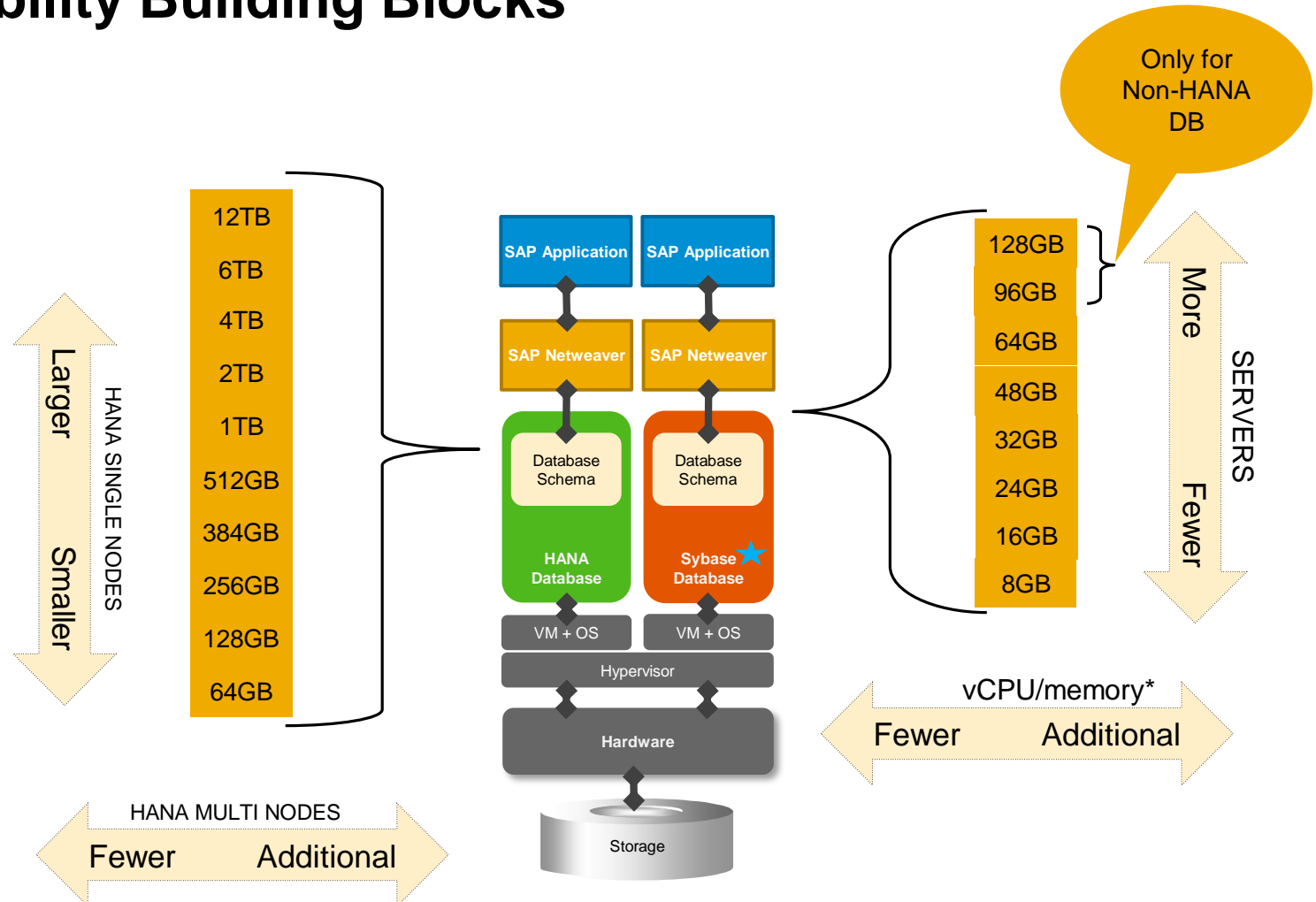
Agile platform – Reference Architecture adopts application best practice across the **Multi-Cloud Infrastructure ecosystem**

SAP HANA
Enterprise Cloud



HANA Enterprise Cloud Scalability Building Blocks

- The HANA Cloud Cell is a standardized physical rack structure consisting of compute, network, and storage that ensures predictable/optimized performance and management for single node and multi node HANA deployments.
- General rule to separate DB and AS layer (for HANA this is mandatory)
- Several scaling options possible
- Changes are fully documented through SAP's change request process
- Predefined services to support scaling
- Fast provisioning

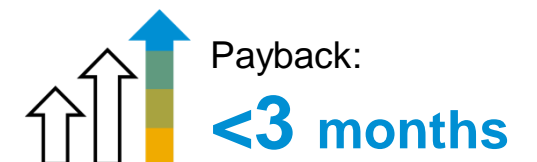
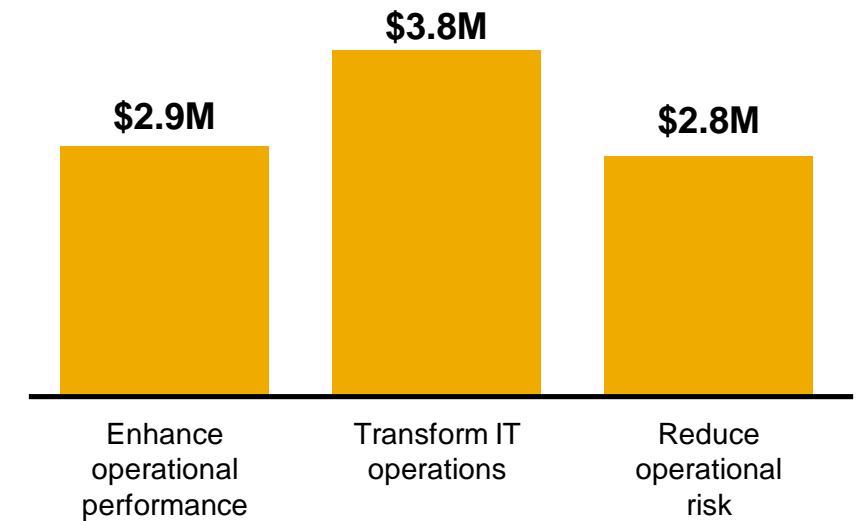


- ★ Minimum size for any ASE database is 32GB.

Forrester: The Total Economic Impact™ of SAP HANA Enterprise Cloud

SAP HANA Enterprise Cloud (HEC) Improves IT System Reliability and Scalability

- ***SAP commissioned Forrester Consulting to conduct a TEI study and examine potential return on investment***
- ***Over three years, SAP HEC improves business system reliability, reduces risk, and enables IT operational transformations***



Your Fastest Path: SAP HANA Enterprise Cloud



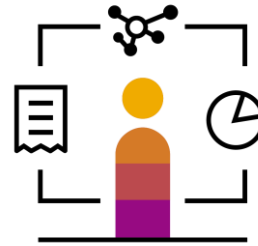
Move



Migration to a cloud-based subscription environment



Flexibility/choice



Choose your infrastructure:

- Hyperscalers (Azure, AWS, Google Cloud)
- SAP run data center



Redeploy and reinvest in your business

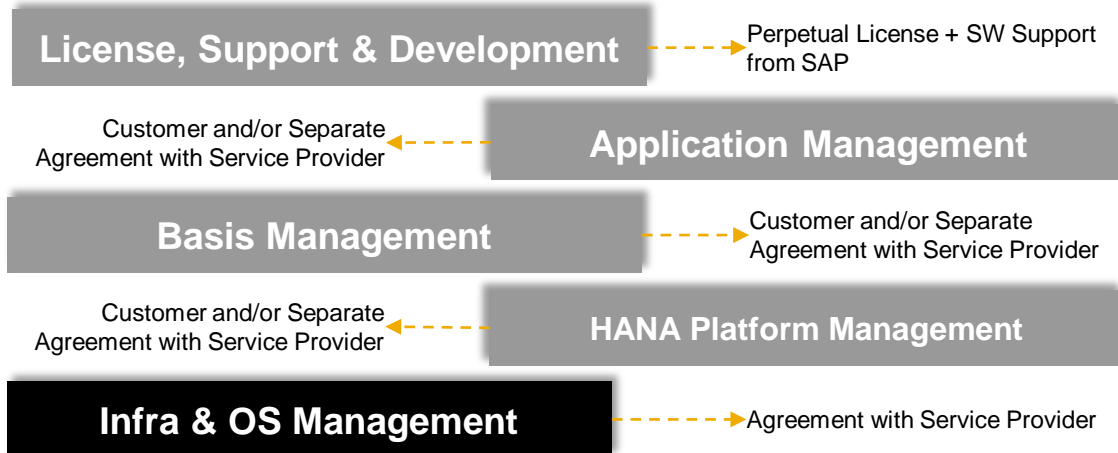


A proven reference architecture with stability and resilience

Hosting (SI + Hyperscaler) vs SAP Cloud ERP

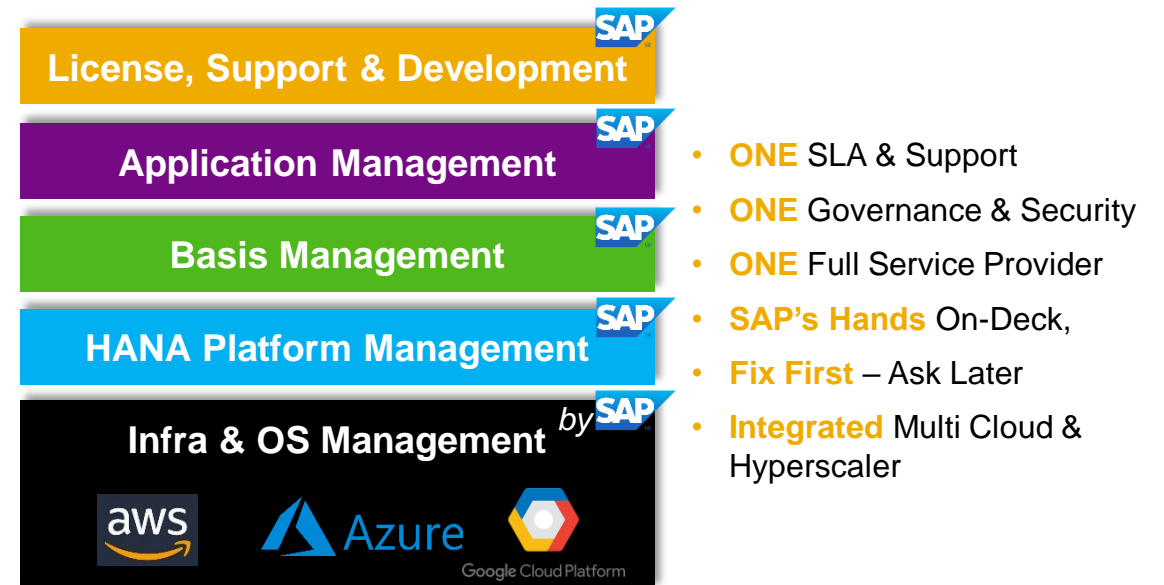
Siloed Support, SLAs, Governance & Security

SI + Hyperscaler **Disjointed** Outcomes



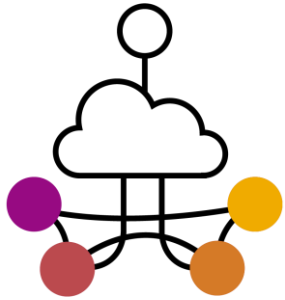
ONE Full Service Provider

SAP Cloud ERP **ONE** Outcome



ONE Governance, Security & SLA

Optimize



Customize your
unique environment



Bring your
SAP software
landscape closer
to standard code

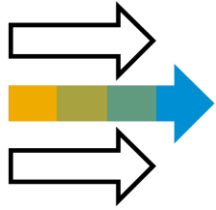


Define your road
map and approach
with minimal
disruption



Save time,
resources,
and money

Running SAP S/4HANA on HEC with SAP Cloud Application Services



What does it deliver?

- **End-to-end operations** from business improvements to technology and innovation adoption to functional support and operations of S/4HANA and its integration
- **Guaranteed SLA** with ownership and accountability for the customer's S/4HANA environment
- Taking over **cloud application** lifecycle management reducing
- Frequent application administrative activities
- **Dedicated Service Delivery Manager** to ensure continuously update pro-active service planning

Solution-as-a-Service

End-to-End Managed Services



Customer Benefits

- Provide **robust and resilient** operations ensuring business continuity
- **Accelerate innovation** adoption considering SAP roadmaps
- Provides expert resources
- Free up customer own resources that can focus on **strategic initiatives**
- Most efficient governance for a **one-stop-shop** with SAP
- Drive efficiency of IT operations
- **Lower TCO** greater financial predictability

Cloud Application Services (CAS) Key Benefits

Innovation and Continuous Improvement

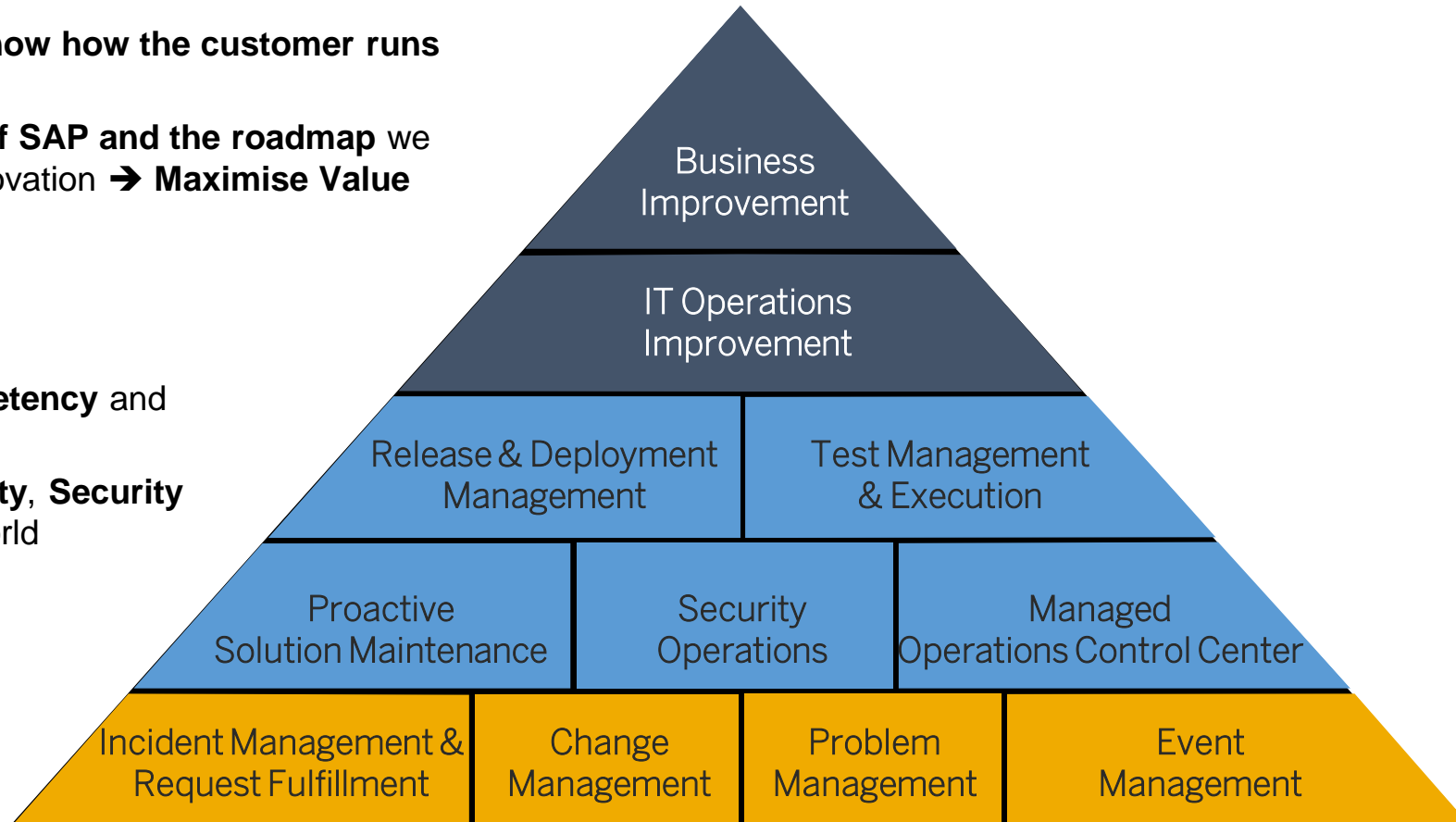
- ✓ With insights gained from the layers below **we know how the customer runs his Business**
- ✓ With that knowledge and our **deep knowledge of SAP and the roadmap** we can advise the customer on IT and Business innovation → **Maximise Value from SAP**

Extended Pro-Active Services

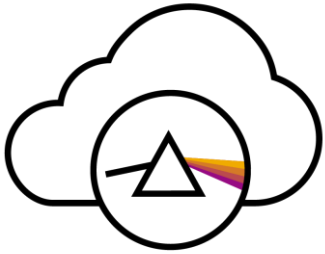
- ✓ Here **deep solution insight, knowledge, competency** and **trust** is needed to deliver successfully
- ✓ Executes the Business Demand for **Speed, Agility, Security** and **Business Continuity** in a **24/7 real-time** world

Core Operational Services

- ✓ SLA based Application Operation and Support



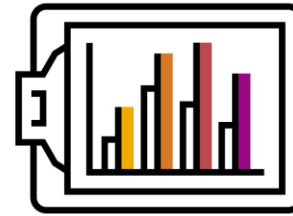
Innovate



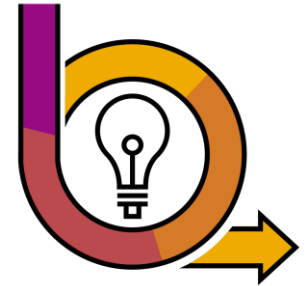
Empowered to
embrace possibilities



Customer services,
competitive
differentiation, and
global management
of resources

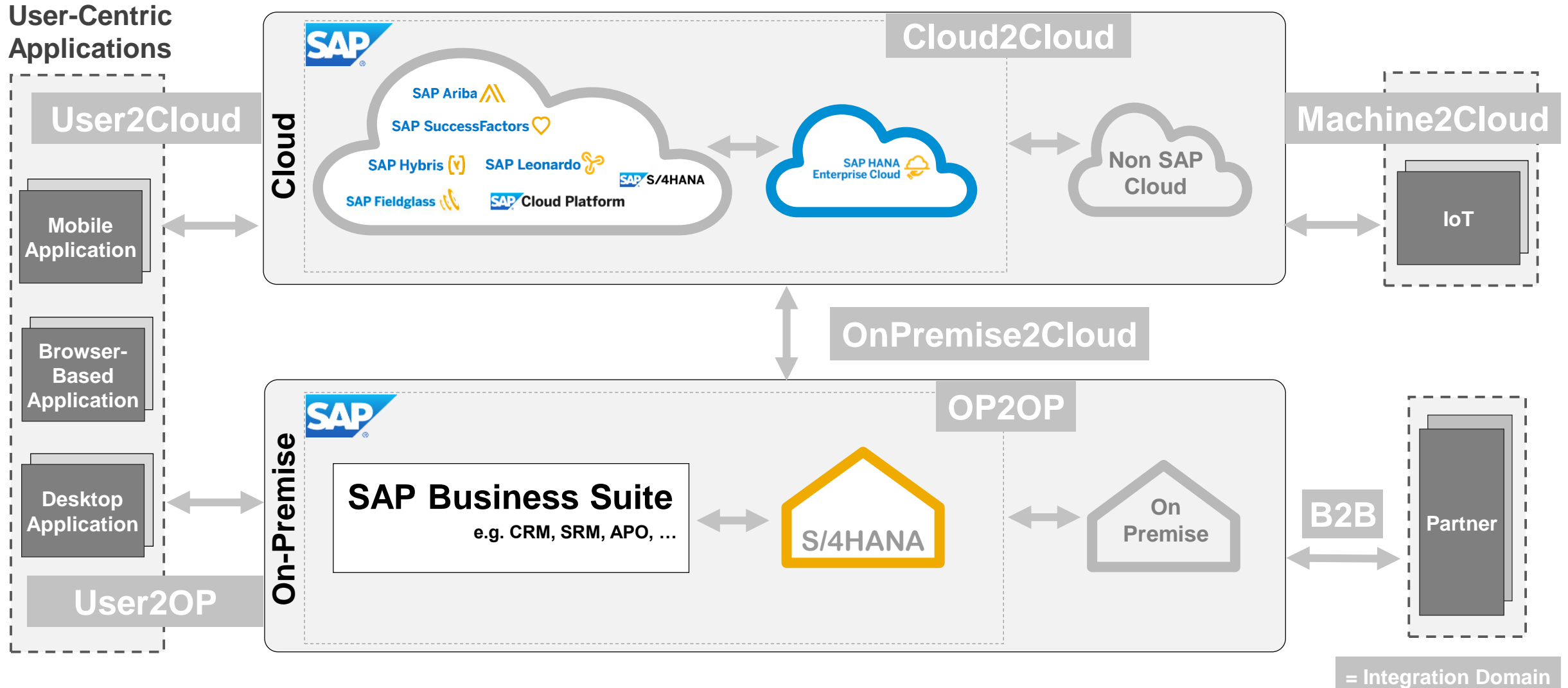


Improved analytics,
database and data
management with
SAP Leonardo

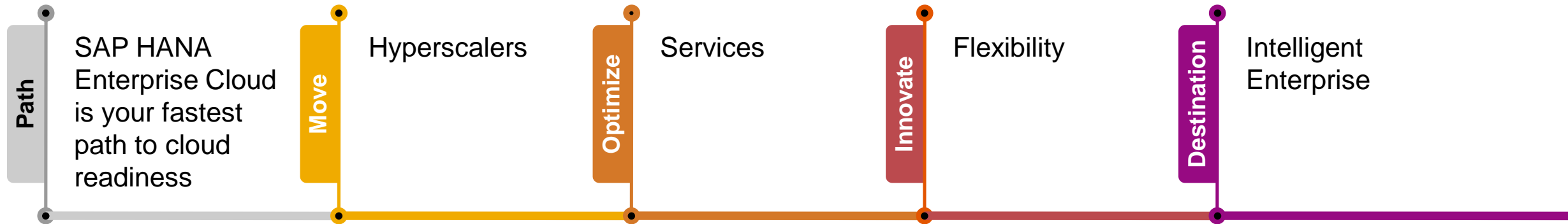


Integration between
SAP and non-SAP
cloud solutions for
a hybrid cloud
environment

Hybrid Cloud Approaches - Integration



Recap: Your Fastest Path - SAP HANA Enterprise Cloud



Thank you.

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