Microsoft

RISE with SAP from the Microsoft Trenches

Barbara McElnea, MS Federal Architect

Frederic Huet, Core SAP Architect

Today's Speakers

- **Barbara McElnea** has been with Microsoft for 2 years and is the Software Engineering Leader for Microsoft Federal inclusive of the SAP stack. 25+ years SAP experience in the A&D industry delivering Federal compliance solutions.

- **Frederic Huet** has been with Microsoft for 5 years and manages the overall Core SAP Architecture team at Microsoft. 30+ years in-depth SAP experience leveraging and deploying SAP solutions throughout many industries.

What we'll cover

A Brief History of SAP at Microsoft

- A view of our landscape and its evolution up to today

Our approach towards RISE

- Why is Microsoft considering RISE?
- How does it fit within our current eco-system

Our Journey so far

- Our deployment strategy and roadmap
- Challenges and considerations

Q&A

SAP at Microsoft

The Microsoft and SAP partnership

30

Year partnership

Extensive customer overlap, serving most of today's largest enterprises*

SAP runs on Microsoft Azure and Microsoft runs on SAP

Ongoing global investments and an aligned ecosystem

Microsoft Adopted RISE with SAP to Drive Business Innovation**

"The case for digital transformation has never been more urgent. By bringing together the power of Azure and Teams with SAP's solutions, we will help more organizations harness the power of the cloud so they can more quickly adapt and innovate going forward"

Satya Nadella
CEO of Microsoft

"New ways of working, collaborating and interacting completely transform how we operate. By integrating Microsoft Teams across our solution portfolio, we will bring collaboration to the next level, jointly determining the future of work and enabling the frictionless enterprise"

Christian Klein
CEO of SAP SE

Microsoft SAP

*Sources include SAP and Microsoft benchmarking and customer reference points
**Microsoft is the first public cloud provider to adopt RISE with SAP internally to transform some of its large SAP ERP deployments

SAP Landscape

= MS Corp - ECC
= MS Corp – S/4
= MS Federal - S/4
= SAP SaaS Services

ERP — ECC 6.0 EhP8
Live since: 1996

FI: Finance, Controlling, Accounting, Enterprise Controlling, Treasury, Project Systems, FM Services, Real Estate, Corp FI, InHouse Cash, Rev Acc & Reporting

FI | AC | EC | TR | PS | FIN | RE | CFM | IHC

Human Capital Mgnt: Personnel Administration, Benefits, Org Mgnt, Talent Mgnt, Personnel Time Management, Payroll

RAR | PA | BN | OM | TM | PT | PY

Supply Chain Management: Sales and Distribution, Materials Management, Logistics, Logistics Execution
Professional Services: Commercial Project Management

CPM | SD | MM | LO | LE

S/4 2020 FPS02
Live since: 2021

Governance, HR, Business Integrity Screening, Commercial Project Management, Dassian

DASSIAN | MDG | BIS | HR | CPM

S/4 Central Finance

Fin Srvcs: New GL, Accounts Pay/Receivable, Cost Acctng, Margin Analysis, Group Rprts, Cash & Bank Acct Mgmt, InterCompany Match/Recon and more

AR/AP | MA | GR | CM/BAM | ICMR

GRC 12.0
Governance, Risk and Compliance

AC

BI/BPC 8.1
Business Intelligence — BI

Business Planning & Consolidation — BPC

BODS 4.2
Business Objects Data Services

BODS

GTS 10.1
Live since: 2005

Global Trade Services: Compliance Management, Customs Management

CON | CUS

TREX: Sanction Party List Screening

TREX

SMG 7.2
Solution Manager: Custom Development Management Cockpit, Maintenance Optimizer, SAP Support Services

CDM | MAI | SER

OERDSC 9.2
Object Event Repository: Secure Track and Trace, Auto-Infrastruct. ID

STT | AIN

OER EhP2
Object Event Repository: Secure Track and Trace, Auto-Infrastruct. ID

STT | AIN

EMS
Entitlement Management

Ariba
Ariba Business Network
Ariba Direct Sourcing

SCM 7.0 EhP2
Live since: 2000

Supply Chain Management: Planning, Event Management, Supply Network Planning, Global ATP, EWM

DP | EM | SNP | gATP

BRIM CI/RMCA ECC 6.0 EhP8
Live since: 2012

Convergent Invoicing: Receivables Mgmt, Contract Accounting

RM | CA

IS: Telecommunications

IS-T

MDG ECC 6.0 EhP7
Master Data Gov:
Business Partners
Pricing
Materials

BP

IBP
Live since: 2016

Integrated Business Planning

CC 4.0
Live since: 2009

Convergent Charging: Direct Billing, Rating

BL | [illegible]

SuccessFactors
Live since: 2017

Employee Self Service
Learning
Succession Planning

S/4 MDG & BIS
Live since: 2019

Governance
Business Integrity Screening

MDG | BIS

BW/4
Business Data Warehouse

BW

BW/4 BPC
Live since: 2018

Planning & Consolidation

BPC

Concur
Expense Management
[Travel as stand-alone]

Others

SAP PI/XI NW 7.3 Process Integration
DUET Enterprise 2.0
Adobe Document Services
Tidal Enterprise Scheduler
BSI Tax Factory
Vertex Sales Tax
RealTech
SAP CRM
OpenText
Virtual Forge
Greenlight/AVM

RISE on Azure at Microsoft

SAP RISE on Azure – A Microsoft IT Perspective

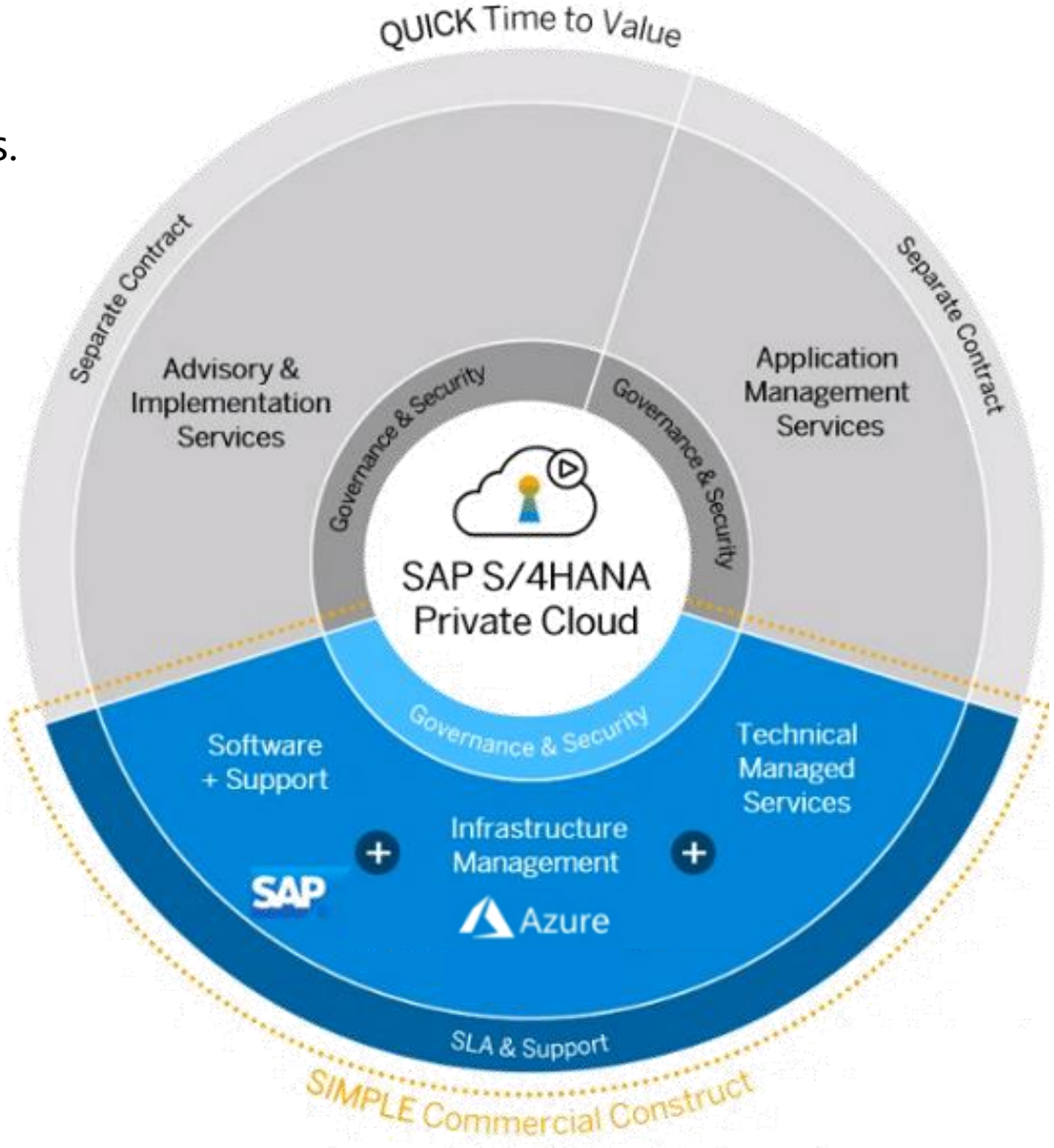
There are many ways to look at RISE, from a transformation model, or subscription pricing, or technical services features. They can sometimes make it confusing.

In its simplest form, SAP RISE on Azure is **an approach to run S/4 as a SaaS ERP**. It is composed of three main components:

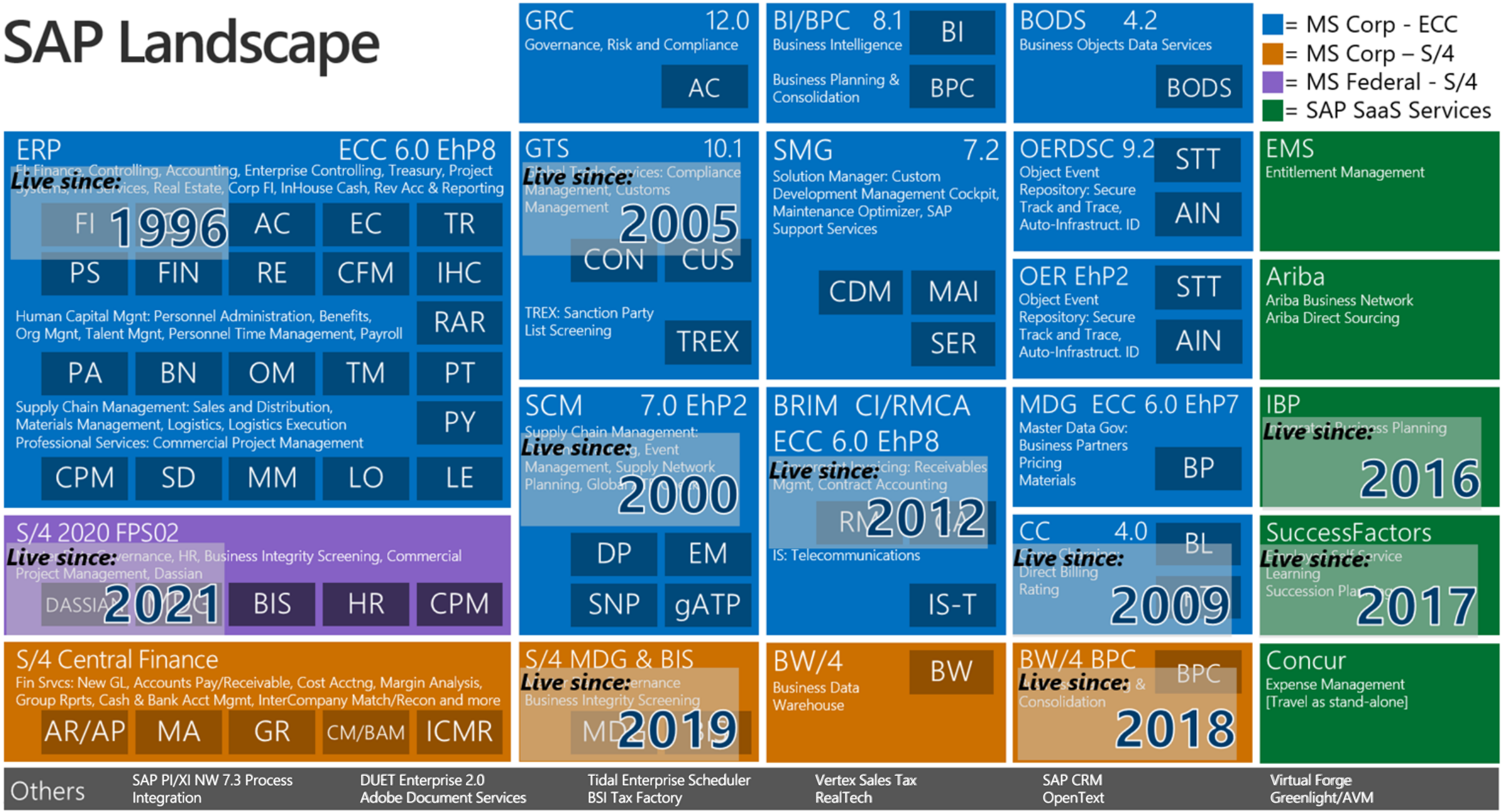
1) A **clean** deployment or migration to SAP S/4.
2) …leveraging Azure infrastructure and services…
3) …with a managed service component for operations.

SAP RISE exists both on Commercial and NS2 (Federal) environments.

While SAP RISE is a generic offering, many additional features and services of Microsoft and SAP can be enabled/interoperated with it.



SAP Landscape



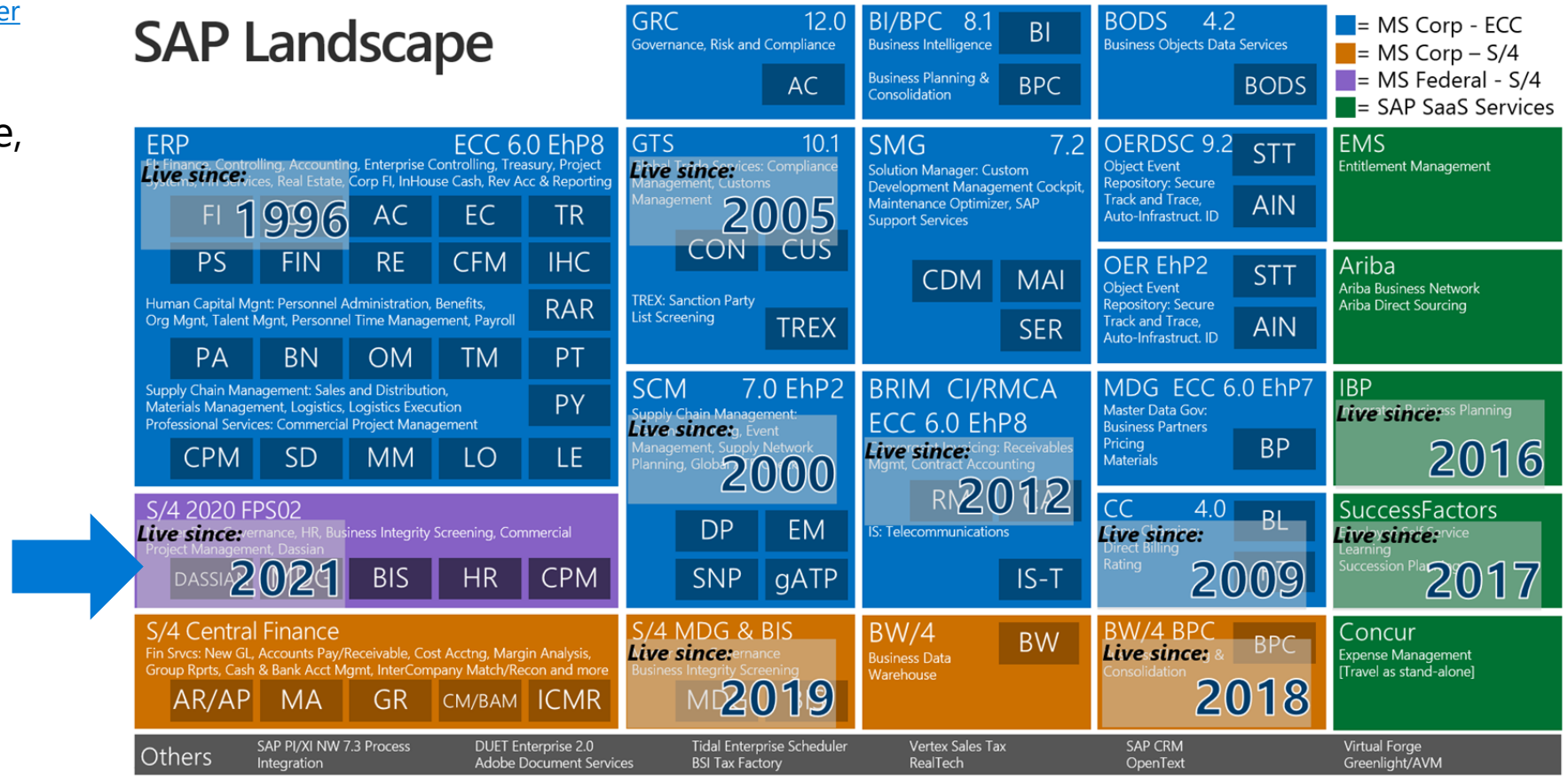
Our Goal:

"**Our goal is to simplify and accelerate our own journey to SAP S/4HANA Cloud**," said *Charlotte Yarkoni, President, Commerce + Ecosystems, Microsoft*. "Modernizing **highly complex, legacy SAP systems is directly relevant to us at Microsoft and to many of our customers**. Leveraging the power of the RISE with SAP solution on Azure will give us the flexibility and agility needed to scale quickly, meet the needs of our own business and share that experience with our customers."

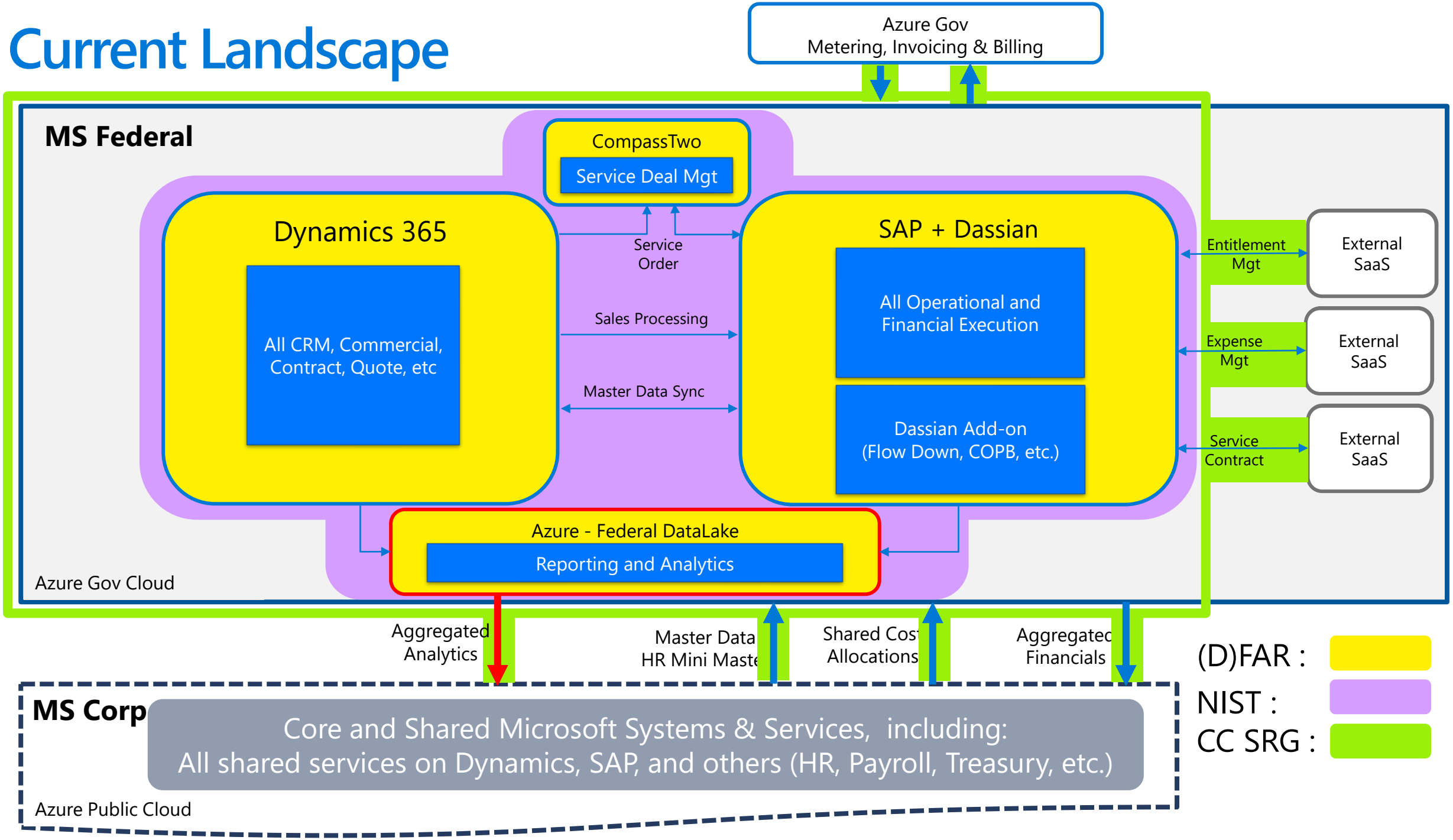
Source: Microsoft RISE Press Release
[Microsoft Selects RISE with SAP | SAP News Center]

For the majority of our landscape, we first need to transform our SAP footprint to achieve an S/4 HANA Clean Core.

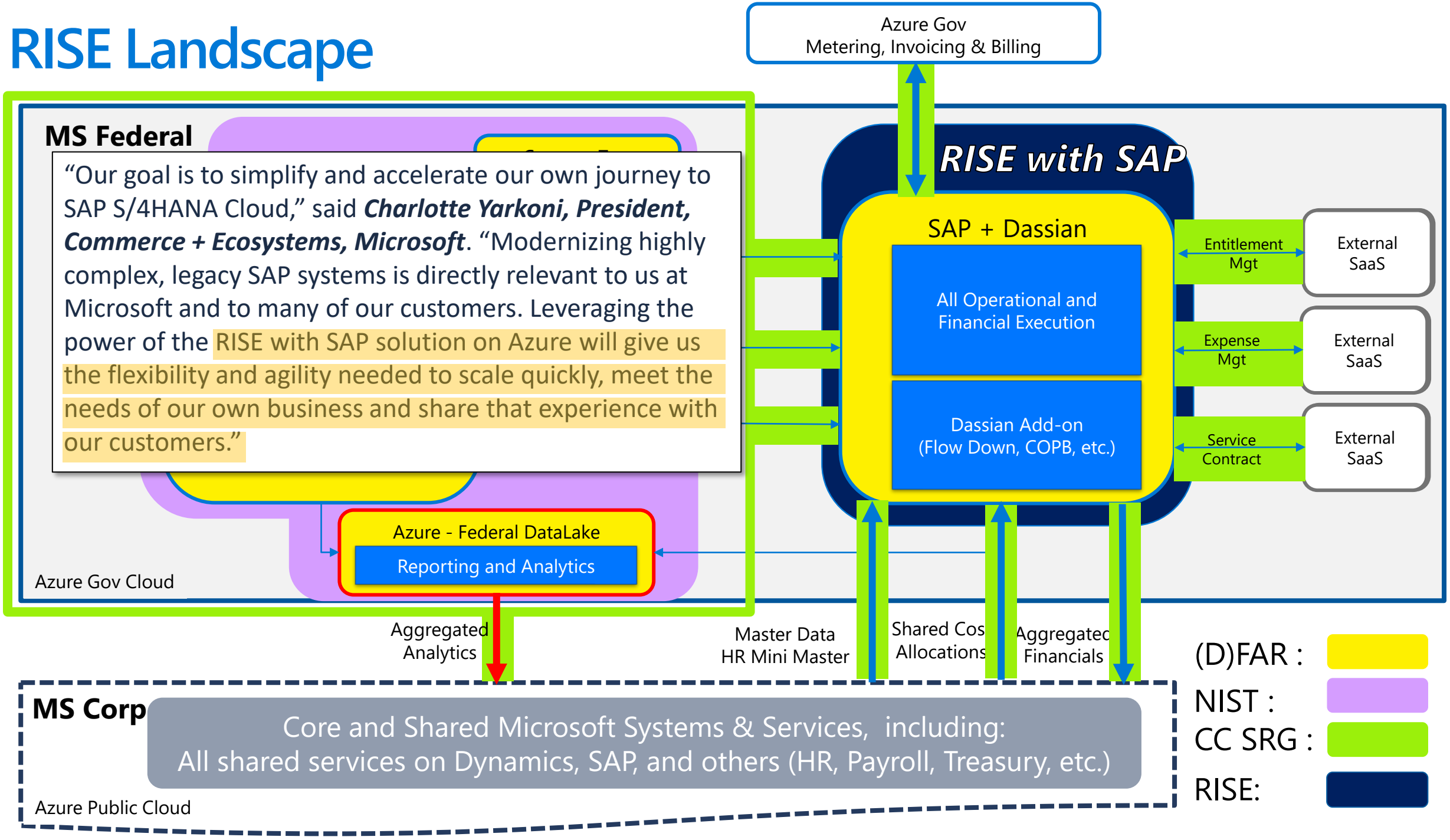
However, our recently built Federal environment is both running S/4 and mostly clean: we will start RISE there.



Current Landscape



RISE Landscape



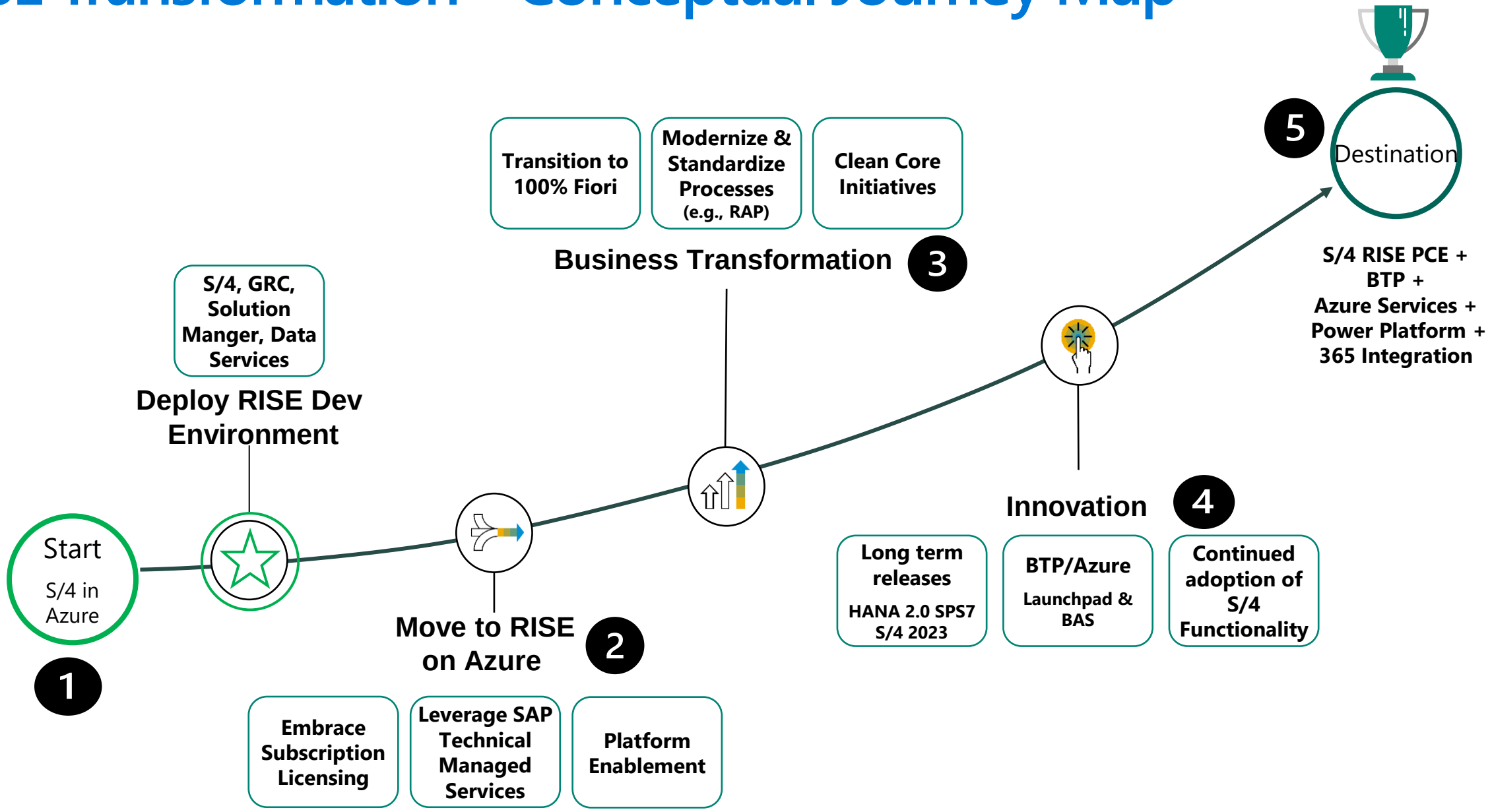
Our Journey: Strategy, Status, Challenges

Objectives and Strategy

- Objectives:
  - Lift and Shift a clean SAP S/4 landscape from MS Azure tenant to an SAP hosted RISE private tenant.
  - Adapt surround integration and Azure services for continued high QoS.
  - Ensure security, compliance and SaaS like experience in the new solution.

- Core Principles:
  - Keep the business operation whole.
  - Eliminate or re-platform existing enhancements which cannot be moved into standard RISE.
  - Deliver an architecture that is available for all SAP customers moving to RISE on Azure.

RISE Transformation – Conceptual Journey Map

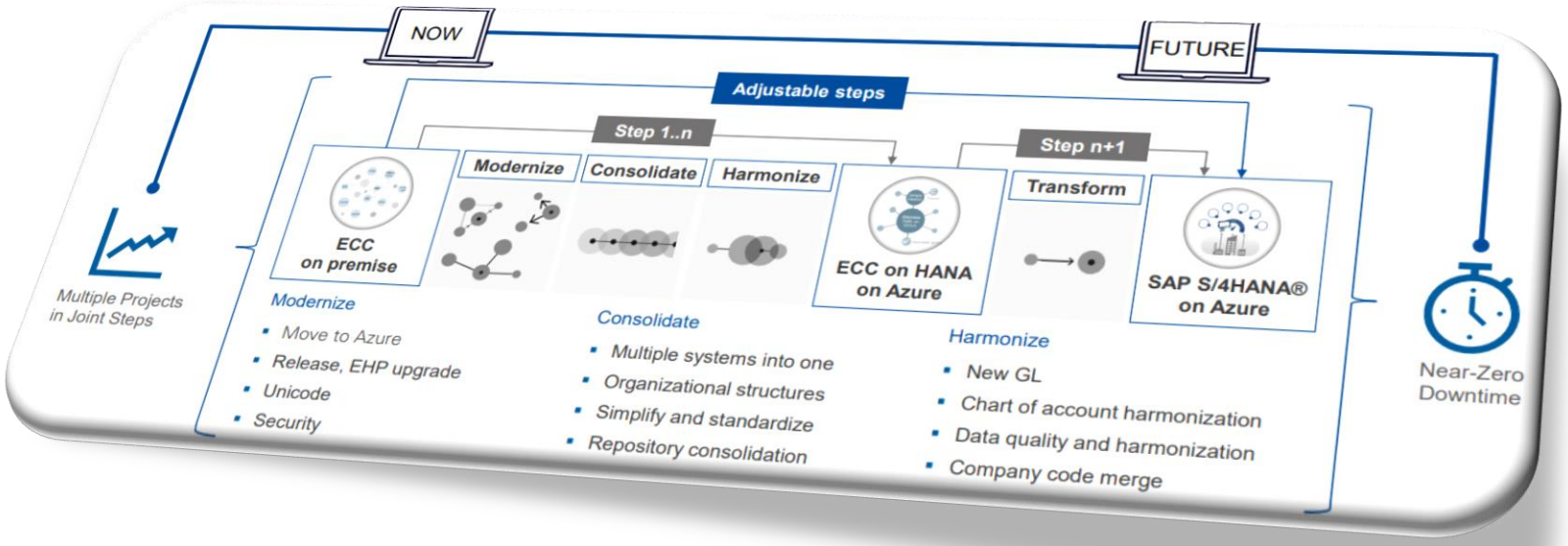


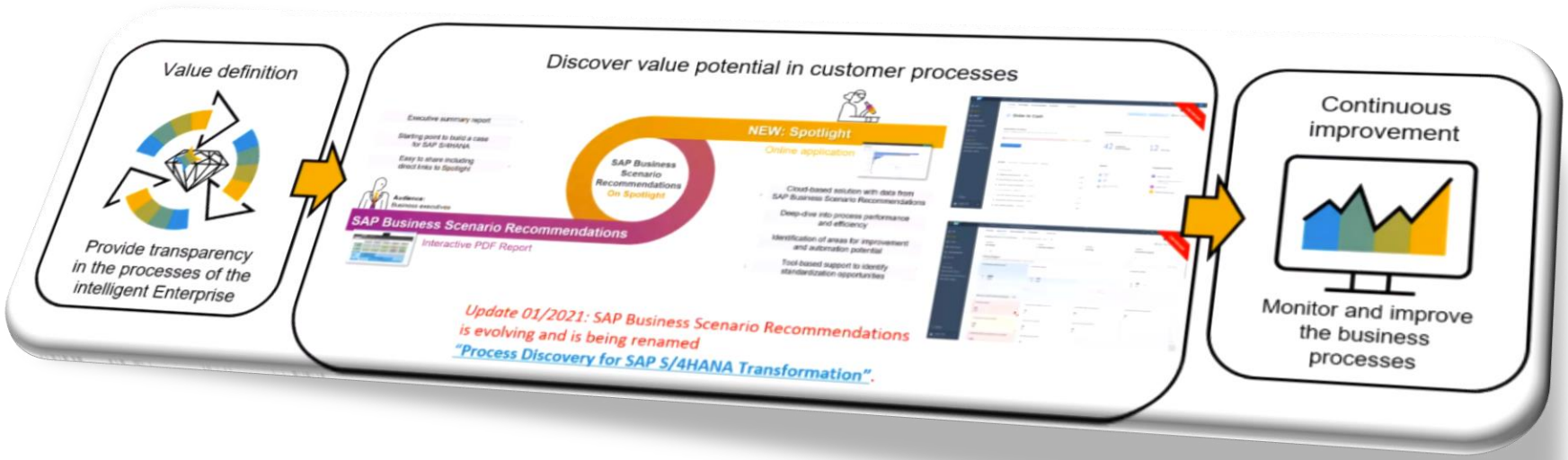
Can we automate “Digital Transformation”?

It depends ! ☺

If we have a ***relatively clean install*** with limited transformation to apply, tools might work.

Example: ***SNP*** “Bluefield”

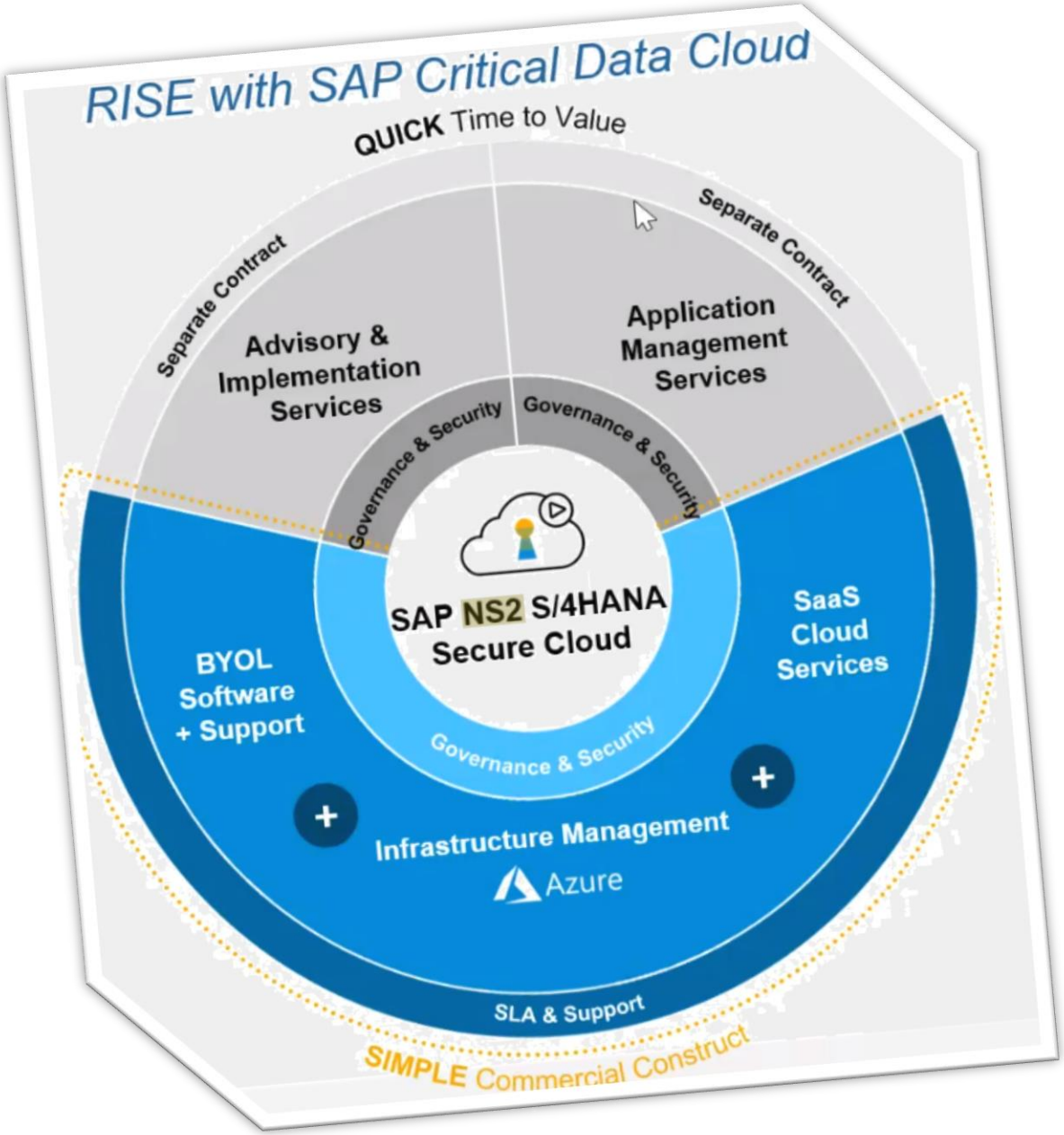




But for highly custom, complex, legacy environment, there is no magic bullet.

While the value of tools like BPI/Signavio cannot be underestimated, Transformation requires true thinking and rework.

About SAP RISE with NS2 on Azure Gov



Due to the unique constraints and Government Compliance requirements of our MS Federal deployment, our current SAP landscape runs in Azure Gov cloud and needs to move into “SAP RISE with NS2 on Azure Gov”.

This creates a significant layer of additional complexity with:

- Unique requirements of our SAP Gov instance (extensions such as Dassian)
- Specific components of the Azure stack that ensure our security and compliance (such as Sentinel)
- Contractual compliance requirements between Microsoft and it’s Government partners around system SLA, DR, authentication and more.

MS and SAP are actively working to create a joint solution for many of these items.

RISE Challenges and Considerations

Capability	Consideration
Design / Architecture methodology	Customer Cloud vs on-prem networked to RISE Do not underestimate network impact and changes
Add-on SAP components	Consider supportability of any add-on components like Dassian
Disaster Recovery RTO/RPO (Return to Operations/Recovery Point Objective)	Consider needed RTO/RPO and short vs long range DR needs
System Availability & Reliability, HA	Identify target SLA and how this compares to the RISE standard offering
Monthly Scheduled Downtime	What is the needed target monthly downtime window
Elasticity, Snoozing, Scale-Up/Scale-Down on VMs	Elasticity required during peak workloads etc.
Architecture Considerations	OS level programs and scripts Full Database access
Authentication and Security	Various authentication technologies might need to be reimagined
Interface Refactoring	Don't underestimate the size scope or importance of this effort
System Time Zone	Will moving system to UTC time zone have impacts?

Q&A

Thank you!