Migrating Multiple ECC Environments to a Single SAP S/4 HANA Solution – Opportunities and Challenges

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SAPinsider

In This Session

Our presenters will explore the distinctive opportunities and challenges of the SAP S/4HANA upgrade, concentrating on strategic considerations, core focus areas, planning priorities, and the vision for your future state operating model.

What We'll Cover

Path to a Single Instance

- Upgrade strategy Options
- Key Considerations
- Upgrade Planning Priorities
- Future State Target Operating Model
- Wrap-Up

Path to a Single Instance

Upgrade strategy Options

Path to a Single Instance | Upgrade strategy Options

Path to a Single Instance | Upgrade strategy Options

Greenfield

The Greenfield approach to SAP S/4HANA upgrades involves starting afresh with a clean system, allowing organizations to reimagine, streamline, and optimize their business processes from the ground up. It provides an opportunity to capitalize on the advanced features of S/4HANA without the constraints of legacy system data and configurations.

Path to a Single Instance | Upgrade strategy Options

Brownfield

The Brownfield approach to SAP S/4HANA migration involves upgrading an existing SAP ECC system(s) to the new platform, preserving the core business processes and historical data. This transition path minimizes disruption by building upon the established system structure and provides a more straightforward, incremental path to adopting SAP S/4HANA's new capabilities.

Path to a Single Instance | Upgrade strategy Options

Hybrid

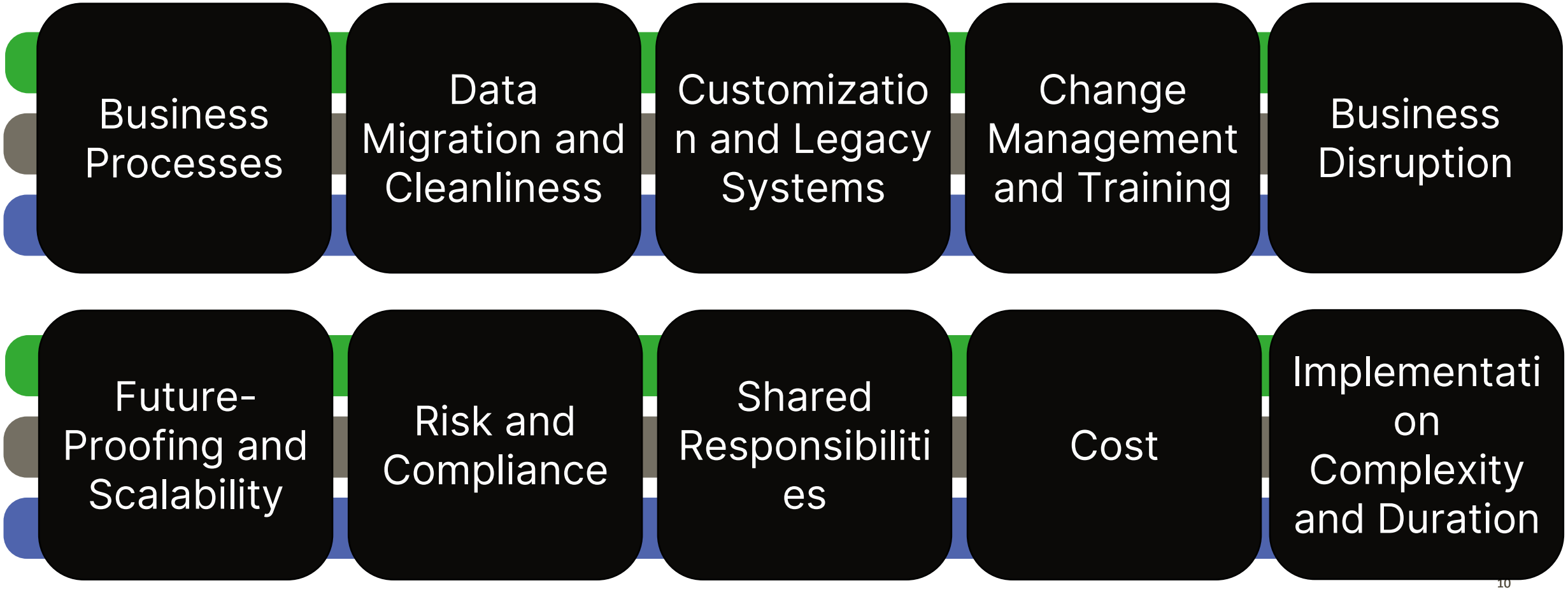
The Hybrid approach to SAP S/4HANA migration, also known as the Selective Data Transition, combines elements of both Greenfield and Brownfield strategies, offering flexibility to redesign some business processes while retaining valuable historical data. This method allows organizations to selectively migrate and transform parts of their existing systems, providing a tailored balance between innovation and continuity.

Path to a Single Instance

Key Considerations

Path to a Single Instance | Key Considerations

When deciding between Greenfield, Brownfield, and Hybrid approaches for migrating to SAP S/4HANA, several key considerations come into play



Path to a Single Instance | Key Considerations

	Business Processes	Data Migration and Cleanliness
Greenfield	Offers the chance to completely reengineer and optimize business processes.	Opportunity to start with a clean slate, selecting only essential data to migrate.
Brownfield	Business processes largely remain as is, with minimal reengineering.	All historical data is migrated, potentially including outdated or unnecessary information.
Hybrid	Provides the flexibility to reengineer some processes while retaining others.	Allows selective data migration, combining clean data approach with historical data continuity.

Path to a Single Instance | Key Considerations

	Customization and Legacy Systems	Change Management and Training
Greenfield	Eliminates outdated customizations and legacy systems.	Requires significant change management and training for new processes and system features.
Brownfield	Retains existing customizations, which might not fully leverage new S/4HANA capabilities.	Easier transition for users with minimal changes in system operation.
Hybrid	Offers the choice to keep or redesign specific customizations.	Variable, depending on the extent of the new processes and systems introduced.

Path to a Single Instance | Key Considerations

	Business Disruption	Future-Proofing and Scalability
Greenfield	Potentially higher initial business disruption due to the introduction of new processes.	Offers a future-proofed, scalable solution optimized for S/4HANA.
Brownfield	Lower disruption, as existing processes and systems, are largely maintained.	May have limitations in scalability and future-proofing due to existing legacy systems.
Hybrid	Controlled disruption, as changes can be implemented in phases.	Balances future-proofing with the retention of some existing systems.

Path to a Single Instance | Key Considerations

	Risk and Compliance	Shared Responsibilities
Greenfield	Offers a chance to redefine and align processes with the latest compliance standards but carries higher implementation risks.	The Shared Responsibility Model for SAP cloud services is a foundational framework that delineates the division of application management responsibilities among SAP, the hyperscaler (such as AWS, Azure, or Google Cloud), and the customer. Key areas of focus include basis, risk, data privacy, compliance, cyber, operational considerations, alignment with SAP's SOC reports, adherence to SLAs, and the enforcement of data privacy agreements to create a more secure and compliant migration and operational posture.
Brownfield	Potentially lower implementation risk but might not fully leverage the new system's risk and compliance capabilities.	
Hybrid	Provides a balance, allowing for selective updates and compliance alignment but introduces complexity in managing roles and controls that are potentially not aligned with new solutions.	

Path to a Single Instance | Key Considerations

	Cost	Implementation Complexity and Duration
Greenfield	Potentially higher due to the need for new system design and implementation.	Typically, the most complex and time-consuming, due to complete system reimplementation.
Brownfield	Lower immediate costs due to utilizing the existing system framework.	Generally faster and less complex, as it's more of an upgrade than a new implementation.
Hybrid	Costs can be moderate, balancing new implementations with existing structures.	Complexity and duration can vary, depending on the extent of process redesign and data migration.

Path to a Single Instance

Upgrade Planning Priorities

Path to a Single Instance | Upgrade Planning Priorities

1. Business Case and Objectives
2. Assessment of Current Landscape
3. Technical Readiness and Requirements
4. Budgeting and Cost Analysis
5. Project Planning and Methodology
6. Change Management and Training
7. Data Management and Migration
8. Testing and Quality Assurance
9. Integrated Security and Controls
10. Post-Implementation Support and Optimization

Path to a Single Instance | Upgrade Planning Priorities

1

Business Case and Objectives: Define clear objectives and assess the alignment of the upgrade with your overall business strategy and digital transformation goals.

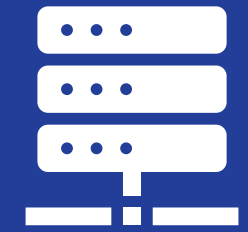
2

Assessment of Current Landscape: Conduct a thorough analysis of your existing SAP ECC environment to identify customizations, data, integrations, and key customizations(WRICEF).

Path to a Single Instance | Upgrade Planning Priorities

3

Technical Readiness and Requirements: Ensure your IT infrastructure is ready for the SAP S/4HANA integration effort, including hardware and software prerequisites and potential infrastructure changes.



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Budgeting and Cost Analysis: Allocate a comprehensive budget, considering all direct and indirect costs associated with the upgrade.

Path to a Single Instance | Upgrade Planning Priorities

5

Project Planning and Methodology: Develop a comprehensive project plan that includes detailed timelines and milestones, decide on the most suitable implementation approach whether it be greenfield, brownfield, or hybrid, and if necessary, plan for a phased approach, effectively breaking down the upgrade into manageable stages for smoother execution.

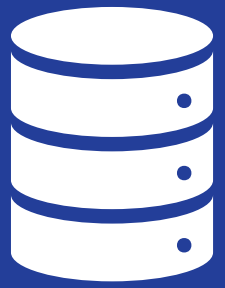
6

Change Management and Training: Implement a robust change management strategy and plan extensive training for users and IT staff.

Path to a Single Instance | Upgrade Planning Priorities

7

Data Management and Migration: Plan for data cleansing, archiving, and migration strategies, focusing on data quality and historical data management.



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Testing and Quality Assurance: Create a comprehensive testing plan covering functional, performance, and integration aspects.

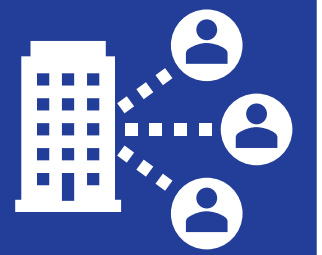
Path to a Single Instance | Upgrade Planning Priorities

9

Integrated Security and Controls: Prioritize developing an integrated security architecture and control framework for SAP S/4HANA, focusing on comprehensive security measures and real-time risk monitoring to enhance resilience and compliance (Trusted SAP).

10

Post-Implementation Support and Optimization: Plan for ongoing support and enhancement management for continuous improvement post-implementation.

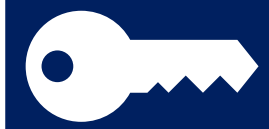


Path to a Single Instance | Key Areas of Focus

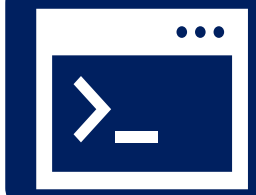
Trusted for SAP

The KPMG Trusted for SAP solution framework aims to seamlessly integrate risk and compliance management with targeted enterprise business processes, empowering organizations to navigate the evolving risk and compliance demands with greater assurance.

Authentication



Authorizations



Controls

SAP Cyber & GRC Products

Platform Security

Path to a Single Instance

Future State TOM

Path to a Single Instance | Future State Target Operating Model

As you transition to the SAP S/4HANA environment, it is advisable to consider the SAP Shared Responsibility Model while envisioning your future state Target Operating Model(TOM).

Your Organization	SAP	Hyperscaler

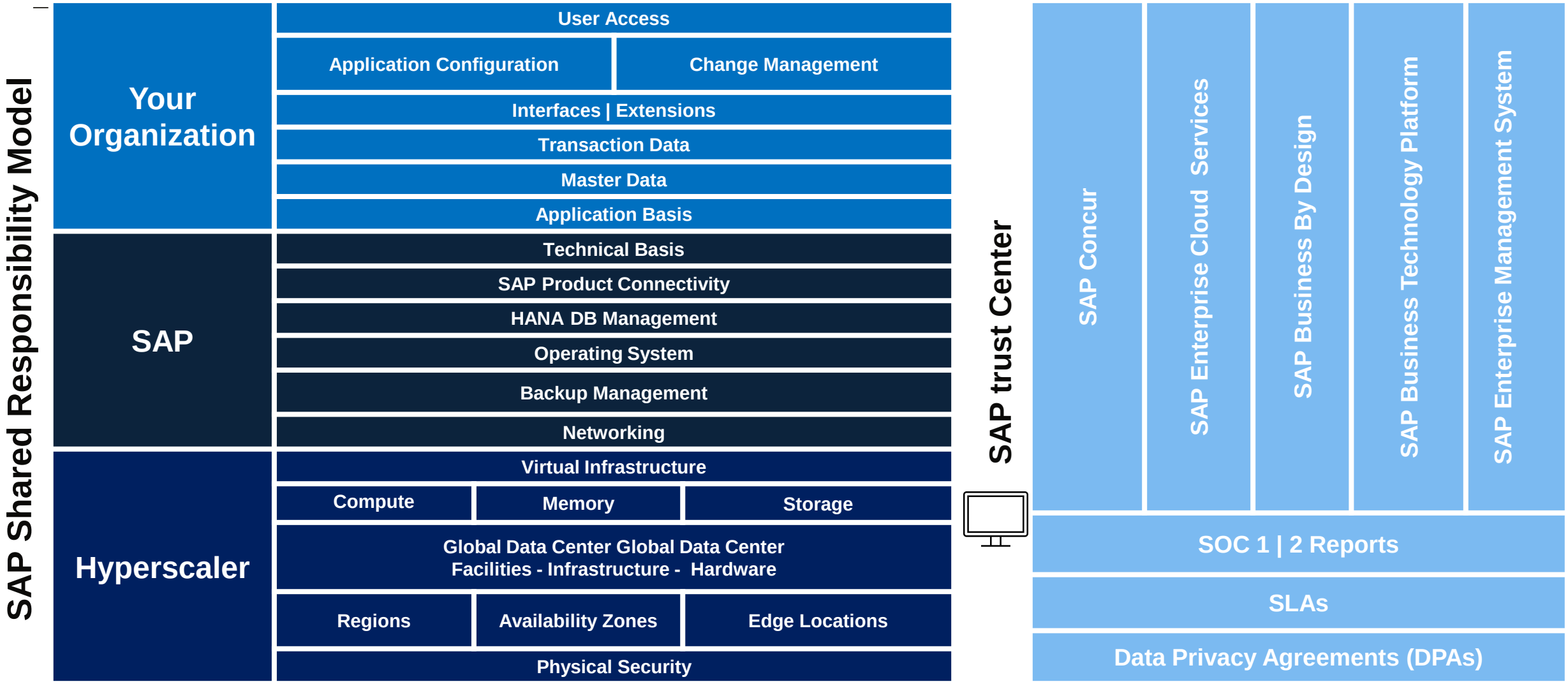
Path to a Single Instance | Future State Target Operating Model

Emphasize creating an integrated, agile, and efficient operational framework that aligns with the shared responsibilities between your organization and SAP/Hyperscaler. Utilize SAP S/4HANA's advanced capabilities(GRC, Signavio, LeanIX, MDG,…) for real-time management and data analytics to enhance decision-making, and foster a collaborative, innovation-centric culture.

Path to a Single Instance | Future State Target Operating Model

This strategic approach, incorporating the principles of shared responsibility for operations, security and compliance, aims to increase operational efficiency, reduce costs, and significantly elevate the strategic value of the SAP system within your organization.

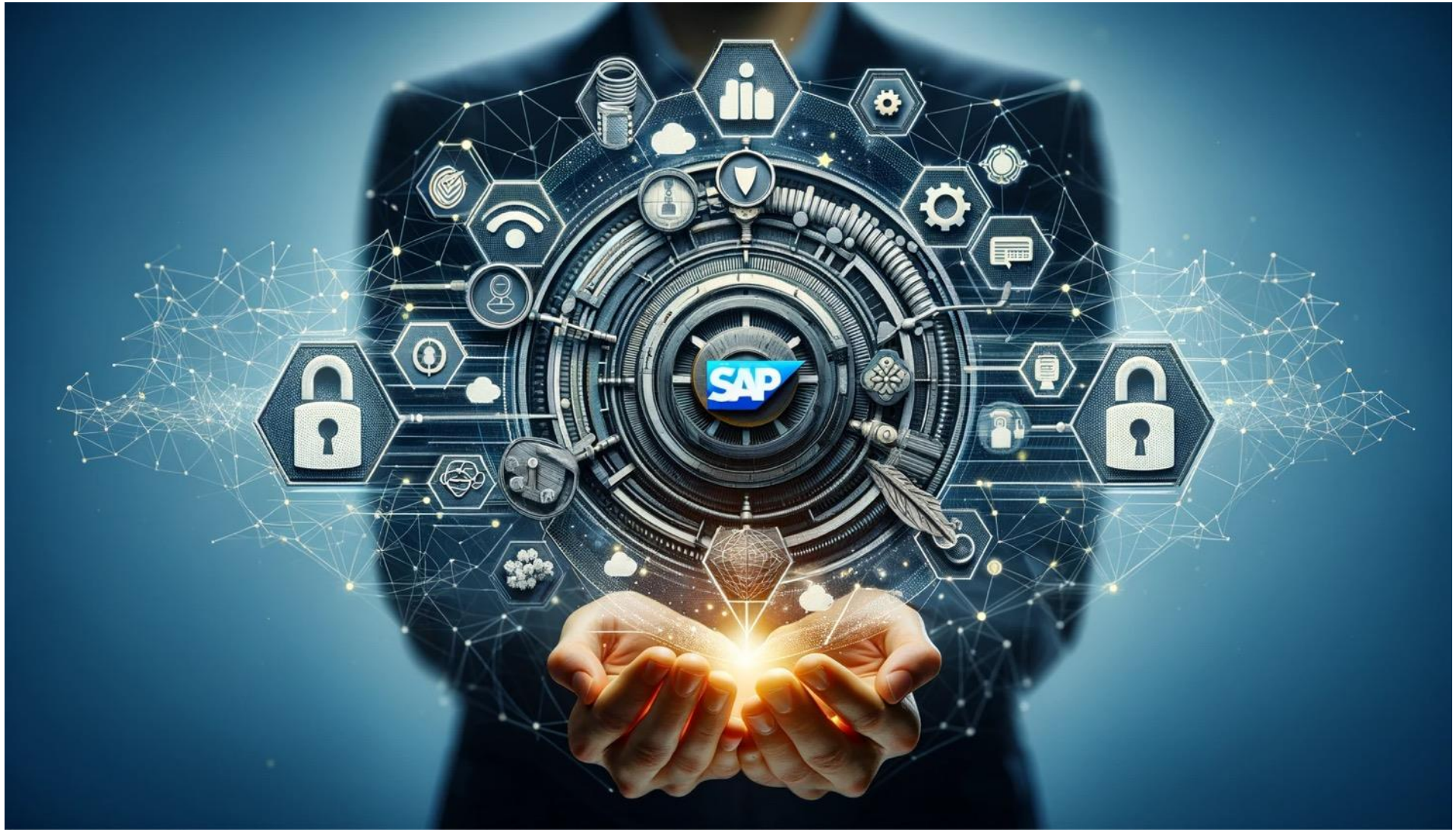
Path to a Single Instance | Future State Target Operating Model



Path to a Single Instance

Wrap Up

Q&A



Thank You

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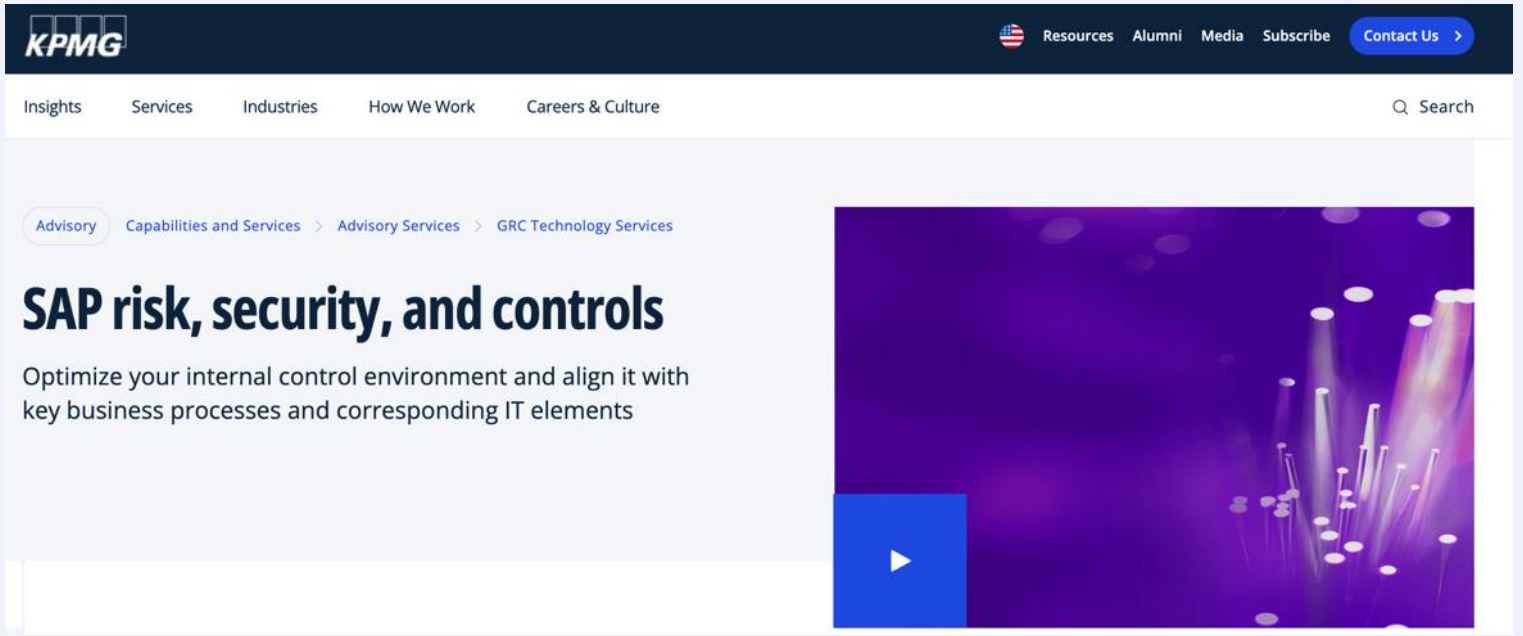

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