



# The Future of SAP Basis Administrator

## SAP's Journey and Career Foundation

- SAP reached 50th milestone in 2022
- Global leader continues pushing innovation boundaries
- Career demands dedication and adaptability
- Knowledge forms foundation, flexibility ensures success

*Speaker Notes:* This slide establishes SAP's established position and introduces the core requirements for building a successful career in the SAP ecosystem.

# Your Role as Basis Administrator

Ensure SAP environment aligns with business needs

Adapt to evolving organizational requirements

Bridge technology and business operations

Navigate critical trends shaping SAP professionals

- *Speaker Notes:* This slide defines the basis administrator's primary responsibility of maintaining alignment between technical systems and business objectives.

# Understanding ERP Software

- Integrated solution managing complete operations
- Automates finance, sales, HR, manufacturing processes
- Covers supply chain, services, and procurement
- Requires 24/7 availability with consistent performance

The screenshot shows the homepage of the Gobap website. At the top right, there is a navigation bar with links for 'Features', 'Pricing', 'Resources', and a blue 'Contact' button. The main title 'Orchestrate Your Business' is displayed prominently in large, bold, dark font. Below the title is a 'Request Demo' button. To the right of the title, there is a decorative graphic of four interlocking gears in blue, purple, grey, and yellow, surrounded by small green and purple stars. The central area features seven cards representing different business modules: Finance (blue card), Sales (white card), Operations (light blue card), Customer Experience (purple card), Marketing (light blue card), HR (white card), and Finance (yellow card). Each card contains a small icon and some descriptive text. The 'Customer Experience' card includes a 'Request Demo' button and a phone number '202.555.1234'. The overall design is clean and modern.

□ *Speaker Notes:* This slide explains ERP as a comprehensive business management solution that integrates all organizational processes.

# Adaptable ERP Solutions



Dedicated Teams

Every organization needs dedicated teams



Expert Support

Internal or external consultants and developers



Key Personnel

Key users and basic administrators required



Continuous Adaptation

Teams maintain operations while adapting to changes

- *Speaker Notes:* This slide emphasizes the human element required to keep ERP systems operational and responsive to business needs.

# Key Team Roles in SAP

Customizing consultants

Modify systems for requirements

Key users

Bridge business and IT departments

Developers

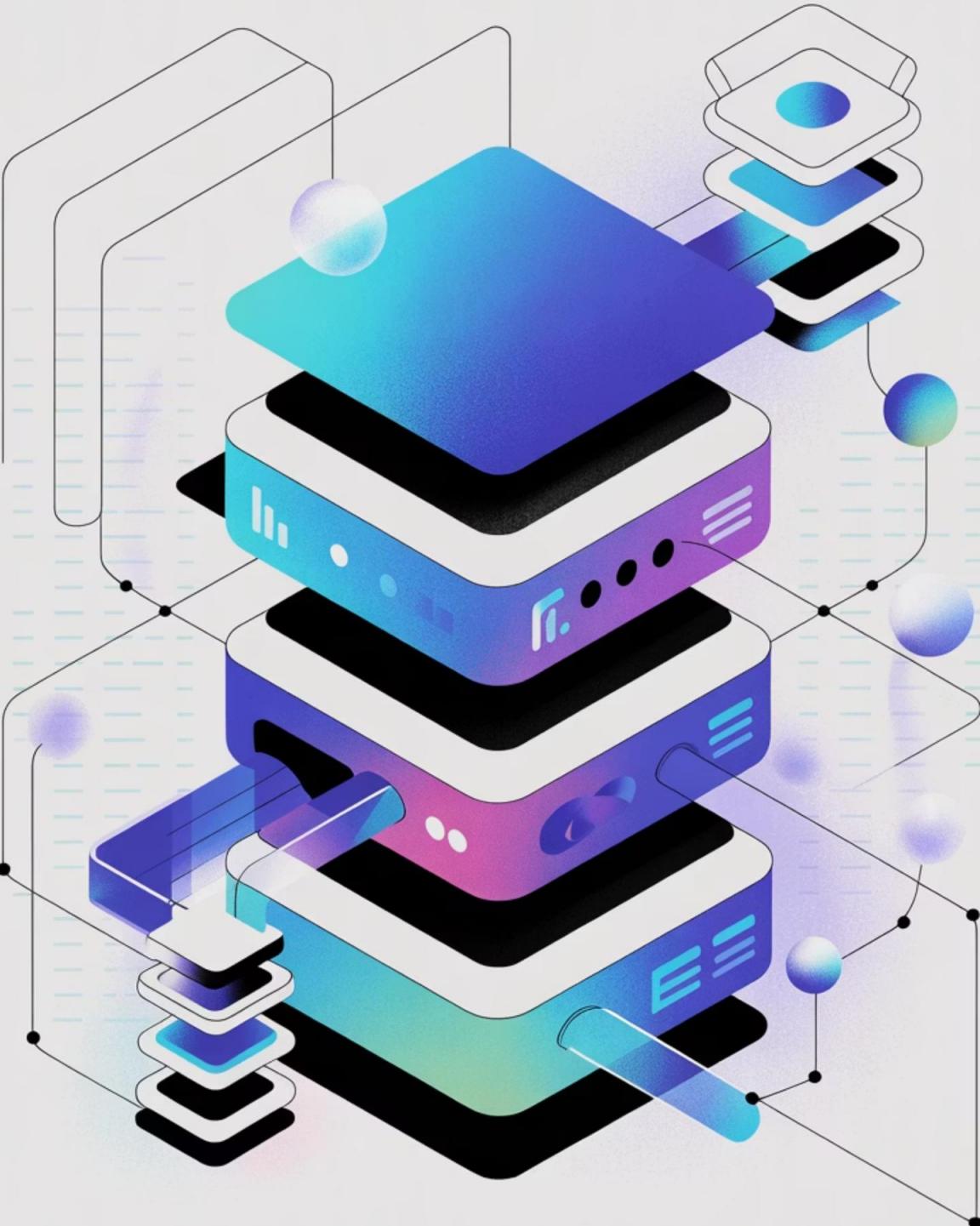
Extend functionality through programming

Basis administrators

Manage technical foundations

*Speaker Notes:* This slide outlines the specialized roles that collaborate to ensure SAP systems meet organizational needs effectively.

## SAP System Architecture



# Understanding SAP Basis

## What Basis Really Means

- Technical foundation supporting business applications
- Covers database, networking, security management
- Includes code management and technical domains
- Requires significant expertise, not entry-level skills

*Speaker Notes:* This slide defines basis as the technical infrastructure layer that enables SAP business applications to function properly.

# Basis Administrator Responsibilities



Oversee complete SAP landscapes



Configure, monitor, optimize technical environments



Handle transport system configuration and execution



Collaborate with developers on transport issues

- *Speaker Notes:* This slide outlines the day-to-day operational responsibilities that basis administrators manage across SAP environments.

# Key Oversight Areas

Maintain architectural oversight and installations

Configure high-availability and disaster recovery

Track SAP release cycles and upgrades

Plan support package installations

- *Speaker Notes:* This slide covers the strategic and planning aspects of basis administration that ensure system reliability and currency.

# Interface Management



- Evaluate and design external system connections
- Manage application platform and database
- Handle OS, network, virtualization (smaller orgs)
- Coordinate with specialized teams (larger orgs)

# SAP S/4HANA: On-Premise and Cloud

## Critical Migration Deadlines



*Speaker Notes:* This slide presents the urgent timeline driving organizations to migrate from legacy SAP ERP to S/4HANA.

# SAP HANA Technology



Column-oriented, in-memory database system



Compresses and stores all data in memory



Eliminates I/O bottlenecks for exceptional performance



Requires certified hardware for performance guarantees

- *Speaker Notes:* This slide explains the technical architecture that enables HANA's superior performance compared to traditional databases.

# Hardware Selection Challenges

-  Balance sufficient performance against costs
-  Complex sizing calculations with multiple variables
-  Growth projections difficult to estimate accurately
-  Miscalculations carry serious consequences

 *Speaker Notes:* This slide highlights the complexity and risks involved in properly sizing SAP HANA hardware infrastructure.

# Capacity Planning Consequences

## Risks

**Underestimating:** Systems cannot meet expectations

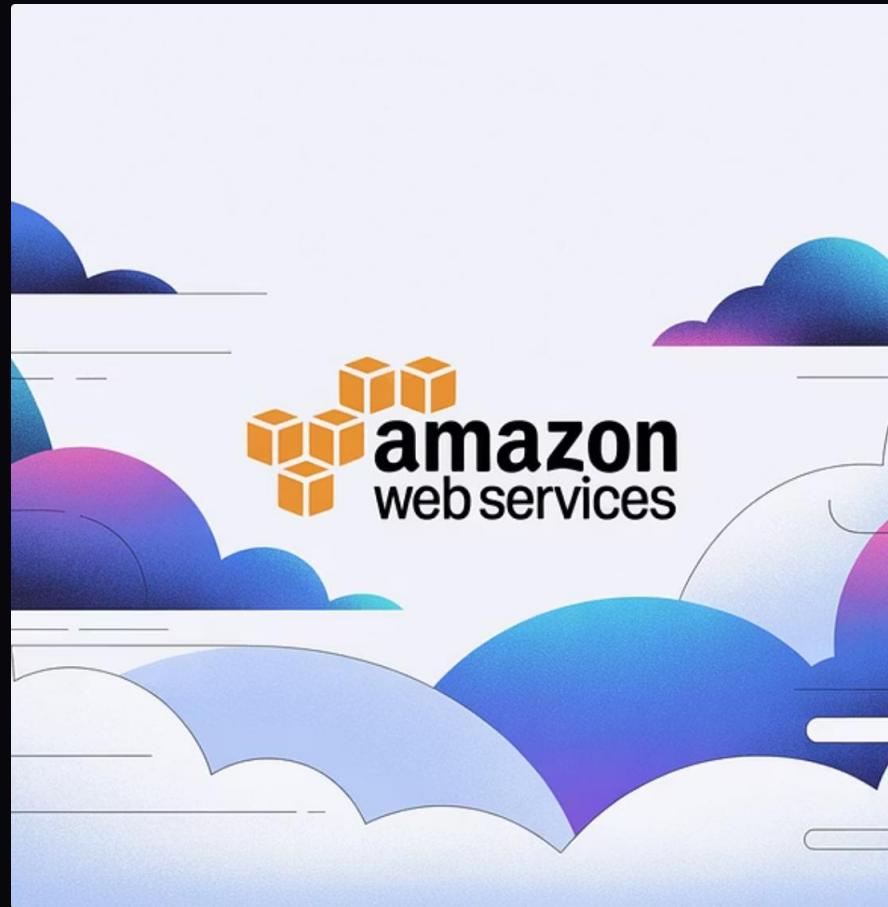
**Overestimating:** Expensive, underutilized resources

**Result:** Inflated total cost of ownership

## Solution



# Infrastructure as a Service Rise



Amazon

S/4HANA drives increased IaaS adoption

Service providers manage datacenter and hardware

Customers retain VM, storage, HA responsibility



Microsoft Azure



Google

# Cloudflow



## Rise with SAP Software Industry Shift

- Movement toward cloud-based SaaS solutions
- Subscription models becoming standard
- SAP follows cloud-first approach
- S/4HANA Cloud Public Edition as centerpiece

*Speaker Notes:* This slide contextualizes SAP's cloud strategy within the broader software industry transformation.

# Rise with SAP Introduction

“

Business-transformation-as-a-service (BTaaS)  
solution

“

Combines products and services

“

Supports path to intelligent enterprises

“

Alternative for non-public-cloud-ready  
customers

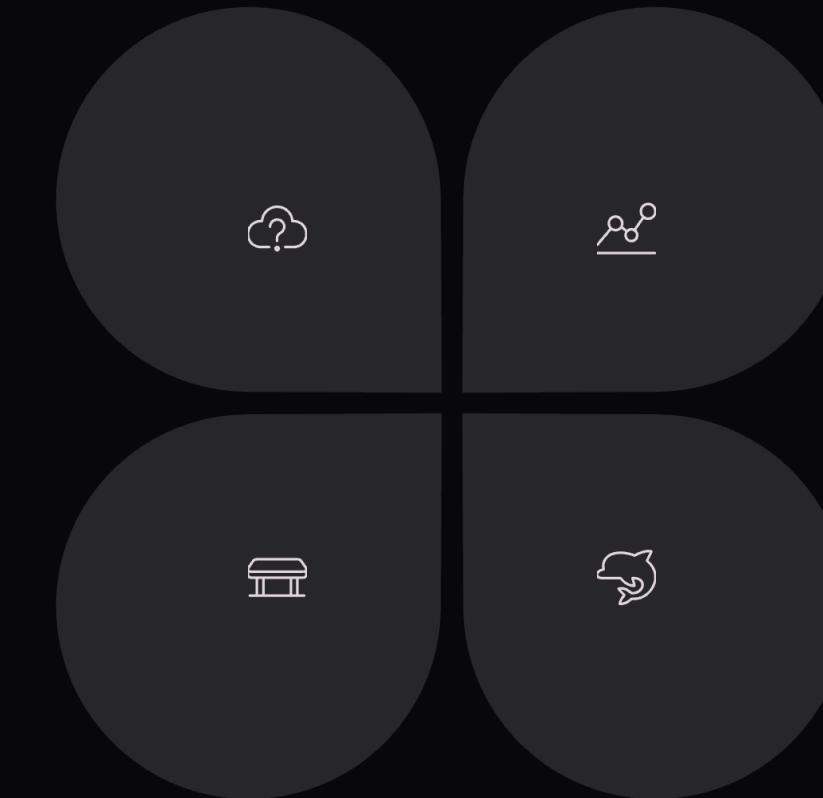
“

“

- *Speaker Notes:* This slide introduces Rise with SAP as a comprehensive transformation package for organizations not ready for public cloud.

# Rise with SAP Components

S/4HANA Cloud Private Edition  
SAP Business Technology Platform  
(BTP)



SAP Business Network and  
Process Insights  
SAP Process Intelligence

- *Speaker Notes:* This slide lists the core technical components included in the Rise with SAP offering.

# Private vs Public Edition

1 Private Edition

Customized, flexible transformation timeline

2 Public Edition

Industry standards, best practices

3 Private Advantage

Maintains on-premise alignment

4 Public Advantage

Continuous improvements, standardized processes

- Speaker Notes:* This slide compares the two main deployment options and their respective advantages for different organizational needs.

# The Intelligent Enterprise

## Complete Business Visibility

SAP records all operational data

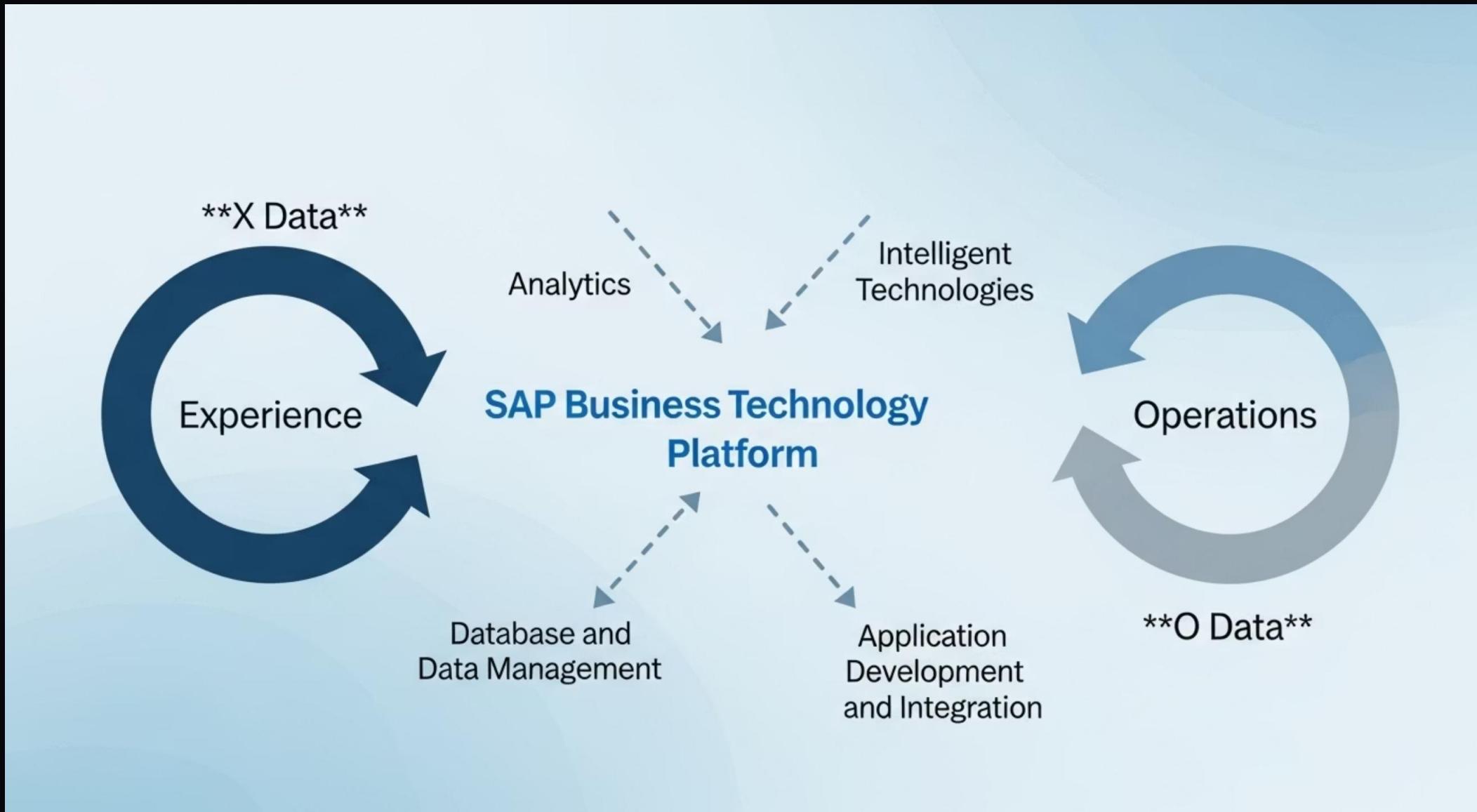
Customer transactions, manufacturing, logistics

Finance activities and workforce tracking

Operations data (O-data) provides foundation

*Speaker Notes:* This slide explains how SAP systems capture comprehensive business data across all organizational functions.

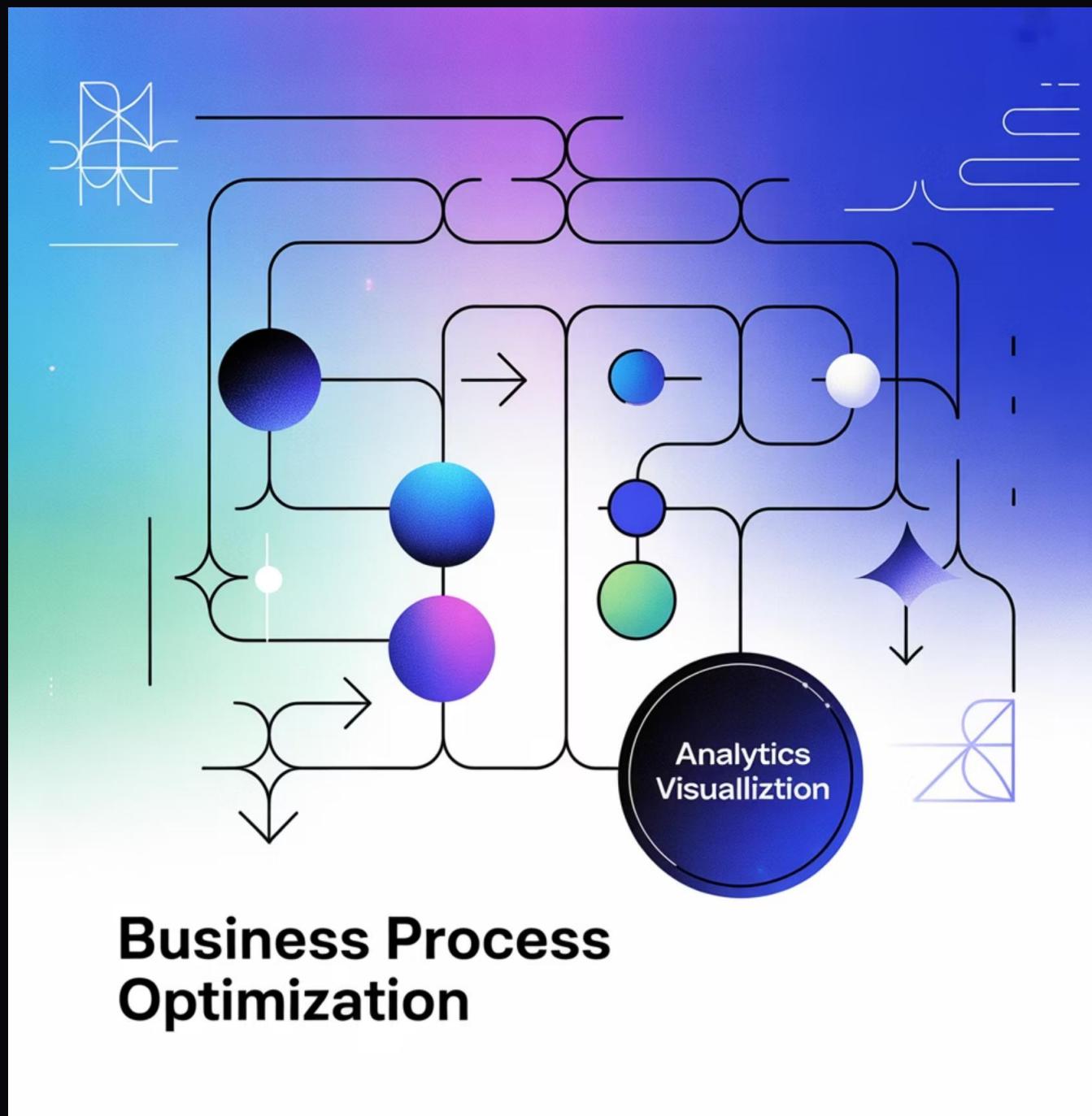
# Experience Data Integration



- Leverages data to forecast future events
- Experience data (X-data) captures emotions, opinions
- Answers why specific events occur
- Enables data-driven business innovation

*Speaker Notes:* This slide distinguishes between operational data and experience data, showing how both contribute to intelligent decision-making.

# Rise with SAP Enablement



- Incorporates BTP components and Business Network
- Accelerates intelligent enterprise transformation
- Connects operations and experience data
- Addresses analytics, integration, automation

# Subscription Components



S/4HANA Cloud Private Edition



Hyperscaler infrastructure and management



BTP consumption tickets



Business Network starter pack

- *Speaker Notes:* This slide outlines the technical and service components included in a Rise with SAP subscription.

# Key Component Details



S/4HANA

Current ERP with real-time analytics

Business Network

Supply chain collaboration



BTP

PaaS for development and integration

Process Insights

Analytics for improvement opportunities

*Speaker Notes:* This slide provides specific details about the major technical components and their business purposes.

# Application Management Services

## Rise with SAP Service Scope

### Included

- Software, tools, and transition services
- Maintenance, support, infrastructure
- SAP manages hypervisor through basis layer

### Excluded

- Advisory services
- Implementation services

 *Speaker Notes:* This slide clarifies what is and isn't included in Rise with SAP managed services.

# Basis Administrator Relevance

Many daily activities covered by offering

In-house or partner resources remain essential

Advisory services and implementation excluded

Role evolves toward advisory functions

- *Speaker Notes:* This slide addresses concerns about basis administrator obsolescence while highlighting continuing relevance.

# Private Cloud Architecture

- Runs on AWS, Azure, GCP platforms
- Other applications hosted separately
- Integration with S/4HANA required
- Platform selection affects performance

*Speaker Notes:* This slide explains the technical architecture of Rise with SAP and integration considerations.



# Ongoing Responsibilities



Application and database management



Operating system and virtual environment



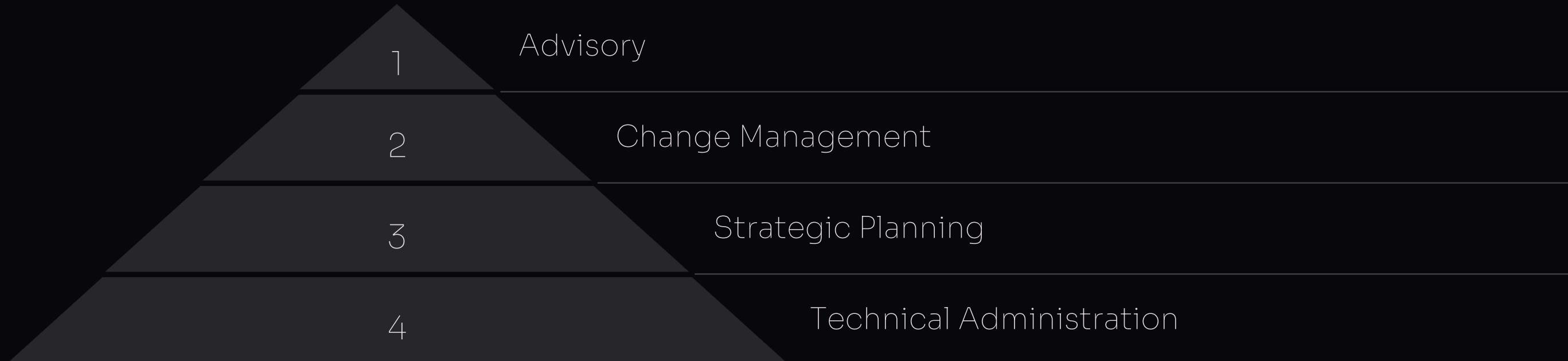
Integration between SAP and non-SAP systems



Support only in client 000

- *Speaker Notes:* This slide outlines the responsibilities that remain with customers even when using Rise with SAP.

# Role Evolution



Shift from routine administration to advisory

Understanding why, what, when over how

Cloud transition creates new opportunities

*Speaker Notes:* This slide describes how the basis administrator role is transforming rather than disappearing.

# Future Landscape

On-premise support continues  
for years



More applications moving to  
cloud

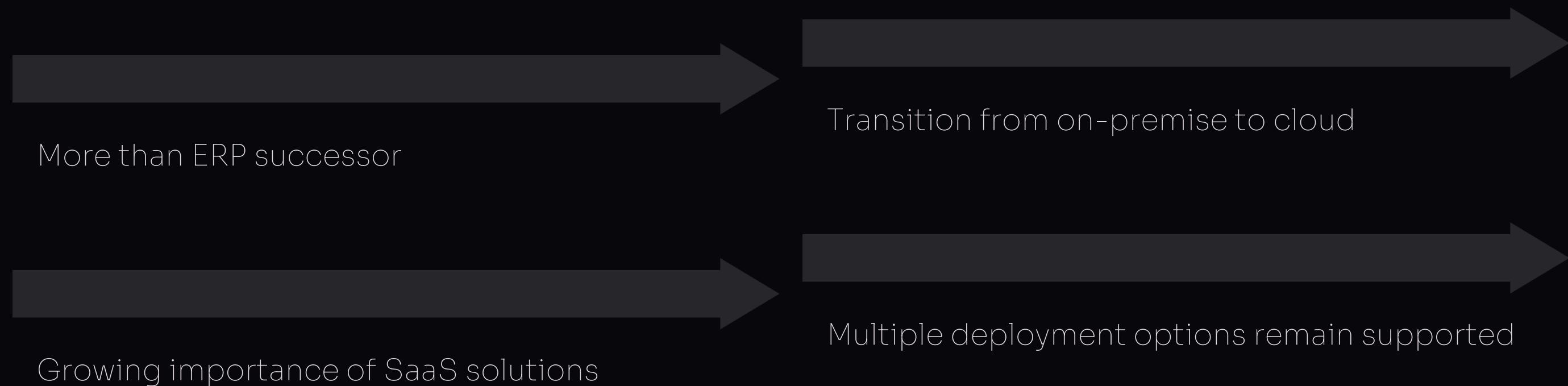
Authentication and  
provisioning responsibilities

BTP connects applications  
through integration

- ❑ *Speaker Notes:* This slide provides a balanced view of the future, acknowledging both cloud trends and continuing on-premise needs.

# Summary

## SAP S/4HANA Transformation



*Speaker Notes:* This slide summarizes the broader transformation that S/4HANA represents beyond just technical upgrade.



## Bright Future for Basis Professionals

- No threat to system administrators  
Expertise remains indispensable
- Evolution, not revolution  
Adaptation determines success

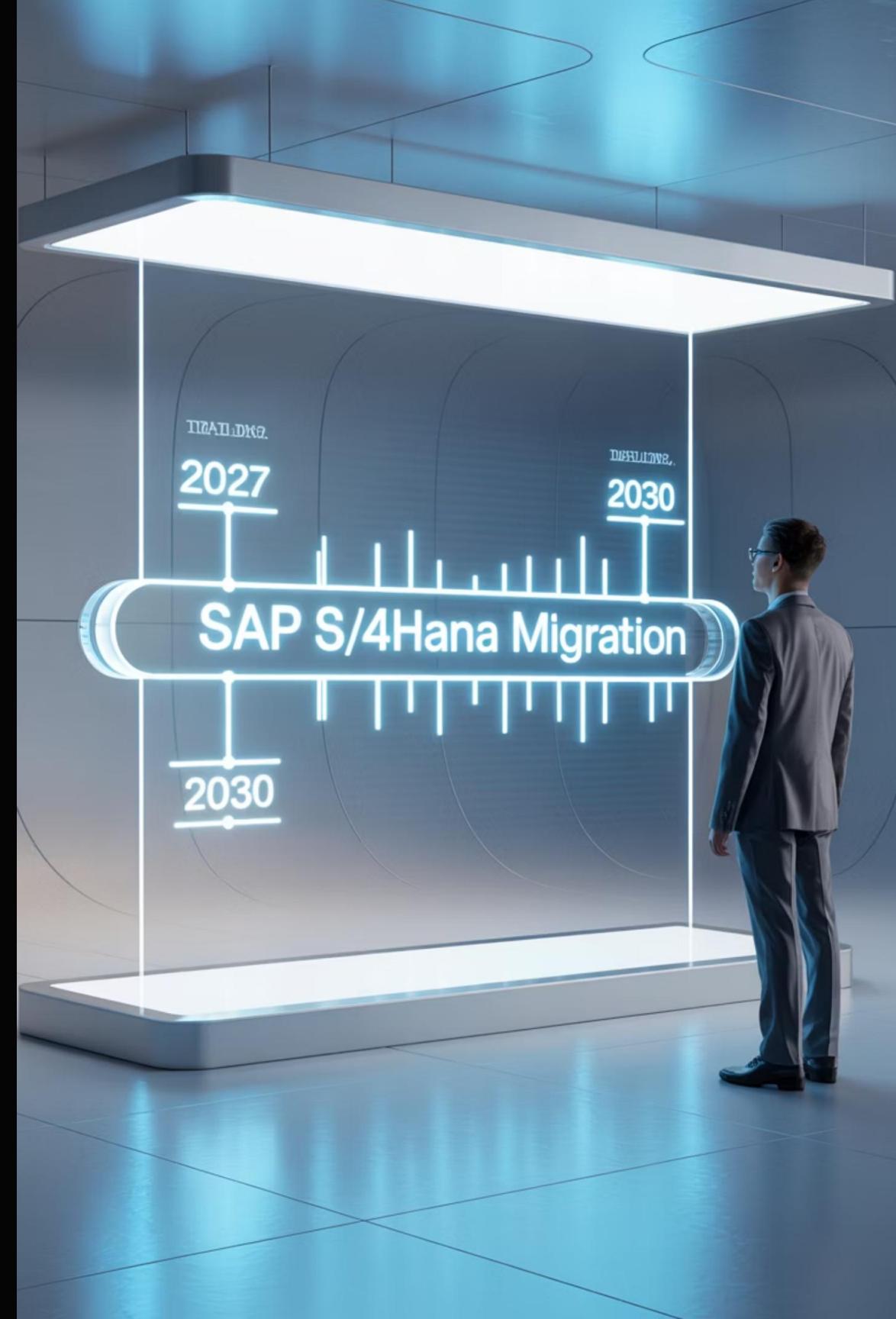
*Speaker Notes:* This slide reassures basis professionals about their continuing relevance while emphasizing the need for adaptation.

# SAP S/4HANA: On-Premise and Cloud

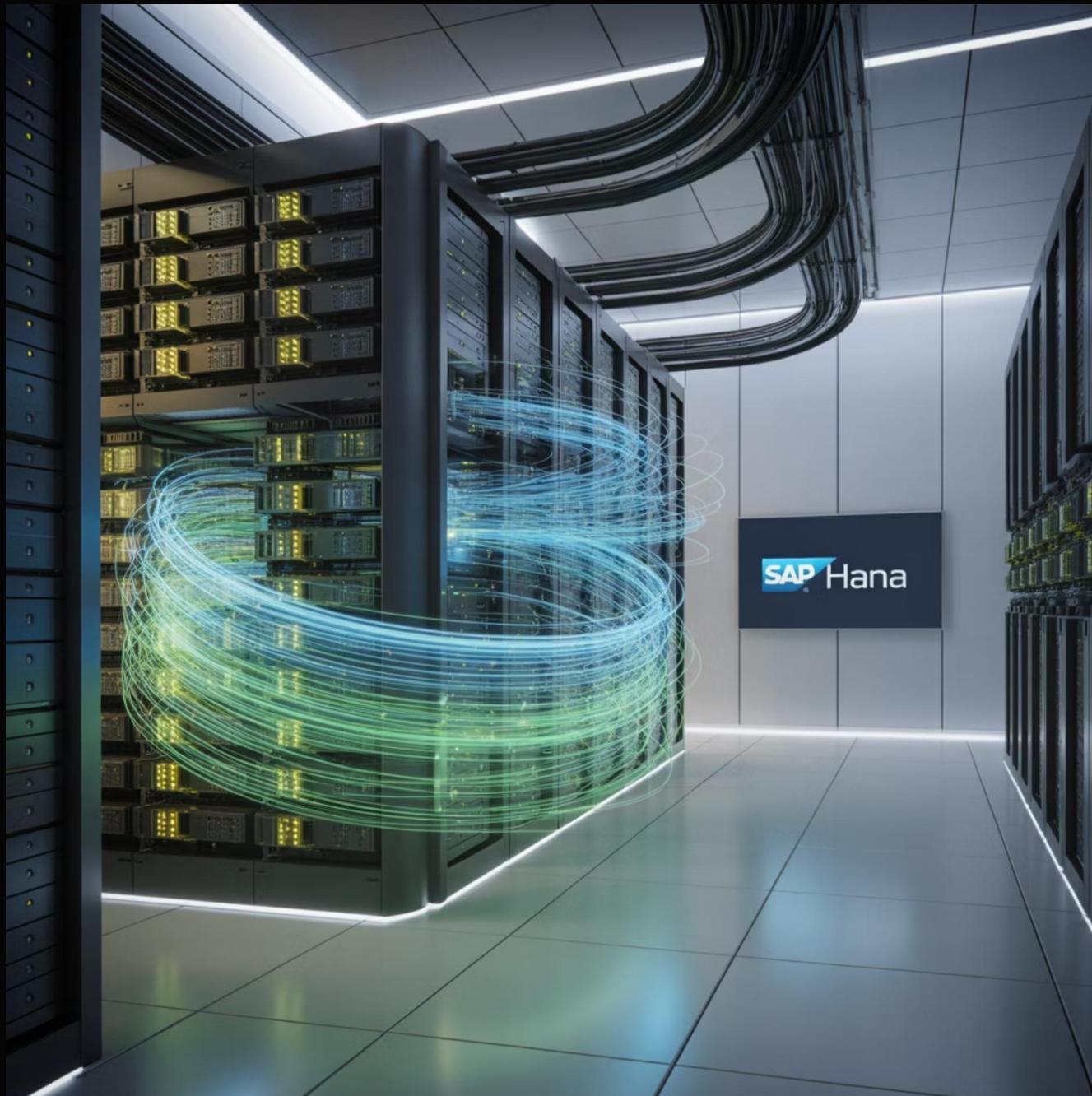
## Important Migration Deadlines

- 1 → 2027  
SAP ERP maintenance ends
- 2 → 2030  
Extended support terminates
- 3 → Migration Required  
Migration to S/4HANA required for ongoing support
- 4 → Database Requirement  
S/4HANA runs exclusively on SAP HANA database

⚠️ Organizations must plan their migration timeline carefully to avoid losing SAP support after these critical deadlines.



# SAP HANA Technology Overview



Column-oriented, in-memory database

Exceptional performance capabilities

Data compression and memory storage

Eliminates disk access bottlenecks

Requires certified hardware for guarantees

HANA's in-memory architecture removes traditional I/O limitations that slow down database operations on large datasets.

# Hardware Selection Challenges



Balance performance against costs

Finding the optimal balance between system performance and budget constraints

$$\frac{f}{dx}$$

Complex sizing calculations

Determining exact hardware requirements involves intricate formulas and considerations



Multiple variables to consider

Accounting for numerous technical and business factors in planning



Difficult growth projections

Accurately forecasting future system needs and expansion requirements



Serious consequences for miscalculations

Errors in sizing can lead to significant business disruptions or financial waste

Hardware sizing involves numerous technical and business factors that make accurate capacity planning extremely challenging.

# Consequences of Poor Planning

## Underestimating Growth:

Systems fail to meet expectations

Performance degradation and inability to handle workloads

Justified user complaints

Decreased productivity and user satisfaction

## Overestimating Growth:

Expensive, underutilized resources

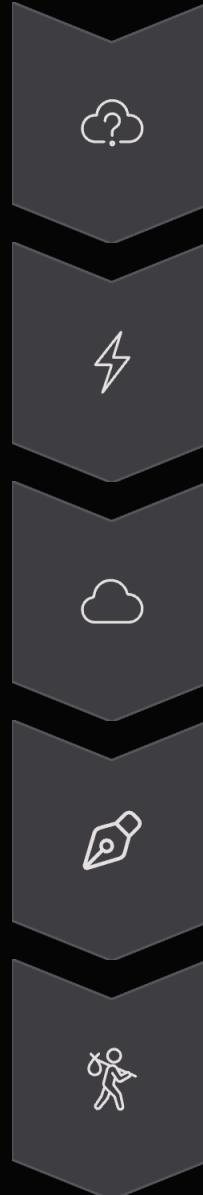
Wasted capacity and unnecessary expenditure

Inflated total cost of ownership

Higher ongoing maintenance and operational costs

Both scenarios create significant business problems, either through poor performance or wasted financial resources.

# Infrastructure as a Service Benefits



Cloud platforms eliminate capacity mysteries

Instantly available resources

Major providers: Amazon, Azure, Google

Provider manages datacenter and hardware

Customer handles VM and storage configuration

IaaS offerings provide flexibility while shifting infrastructure management responsibilities between provider and customer.

# Customer Responsibilities in IaaS

## Virtual machine configuration

Setting up and optimizing virtual machines for SAP workloads

## Storage design

Planning and implementing appropriate storage solutions

## High-availability setup

Ensuring system uptime through redundancy and failover mechanisms

## Disaster recovery planning

Creating and testing backup and recovery procedures

## Network management within VMs

Configuring and securing network connections between components

While providers handle physical infrastructure, customers retain control over application-level configurations and business continuity planning.

# RISE with SAP

## Cloud-First Movement Beyond Infrastructure

Software vendors adopting subscription models

Software-as-a-Service (SaaS) platforms growing

SAP follows cloud-first approach

S/4HANA Cloud Public Edition as central component

Movement extends beyond technical infrastructure

- The shift to cloud represents a fundamental change in how software is delivered and consumed across the industry.

# RISE with SAP Overview



## Business Transformation as a Service

Business-Transformation-as-a-Service (BTaaS)

Combines multiple products and services

Supports path to intelligent enterprises

Designed for existing customers

Alternative to public cloud transition

# RISE Package Components

S/4HANA Cloud Private Edition  
Core ERP solution tailored for private cloud deployment

SAP Business Technology Platform (BTP)  
Foundation for integration and extension



SAP Business Network  
Connected ecosystem for trading partners

SAP Process Insights  
Performance analysis and optimization tools

SAP Process Intelligence  
AI-powered process analysis and improvement

This bundled offering integrates essential SAP technologies into a single transformation package.

# Private Edition Characteristics

Version aligned with on-premise lifecycles

Maintains familiar update and support schedules

Customized solution approach

Allows tailoring to specific business requirements

Data model matches on-premise edition

Ensures compatibility with existing implementations

Customers retain control over changes

Provides flexibility in upgrade timing and implementation

Repository maintains on-premise alignment

Preserves customizations and configurations

❑ Private edition bridges the gap between on-premise and cloud by maintaining familiar structures and timelines.

# Public Edition Benefits



Operates on industry standards

Follows established cloud architecture principles



Incorporates established best practices

Built on proven business processes



Provides ongoing innovation  
**Regular feature updates and enhancements**



Continuous improvements available

Automatic updates with minimal disruption

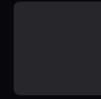


Standardized processes reduce complexity

Simplified maintenance and support

Public edition delivers rapid innovation and standardization benefits for organizations ready to embrace cloud-native approaches.

# Choosing the Right Approach



## Private Edition:

- Supports gradual transitions
- Accommodates flexible timelines

## Public Edition:

- Delivers standardized capabilities
- Provides rapidly evolving features

ⓘ Both options serve different organizational needs based on transformation readiness and flexibility requirements.

# The Intelligent Enterprise

## SAP System Data Foundation

1 Complete business activity visibility

2 Records all operational data (O-Data)

3 Customer transactions and manufacturing processes

4 Logistics, finance, and workforce activities

5 Tracked through SAP SuccessFactors

SAP systems provide comprehensive data capture across all business functions, creating the foundation for intelligent operations.

# Operations Data vs Experience Data

## Operations Data (O-Data):

- Records what happens in business
- Distinct from O-Data protocol

## Experience Data (X-Data):

- Captures beliefs, emotions, opinions
- Explains why events occur

The combination of operational facts and experiential insights enables deeper business understanding and predictive capabilities.



# Intelligent Enterprise Capabilities

## Forecast Future Events

Leverage data to predict business outcomes and market changes

## Product & Employee Insights

Gain deeper understanding about products and workforce performance

## Brand Performance Patterns

Understand trends and patterns in brand performance metrics

## Data-Process Integration

Integrate data seamlessly with business processes

## Adaptable Supply Chains

Create flexible and responsive supply chain networks

These capabilities transform reactive organizations into proactive, insight-driven enterprises that anticipate market changes.

# RISE Acceleration Components



## Business Technology Platform

SAP Business Technology Platform elements



## Business Network

SAP Business Network components



## Transformation

Accelerates intelligent enterprise transformation



## Data Connection

Connects operations and experience data



## Analytics & Automation

Addresses analytics and automation needs

RISE combines multiple SAP technologies to accelerate the journey toward becoming an intelligent enterprise.

# RISE Subscription Core Package

## S/4HANA Cloud

S/4HANA Cloud Private Edition

## Infrastructure

Hyperscaler infrastructure included

## Management

Comprehensive technical management services

## Service Levels

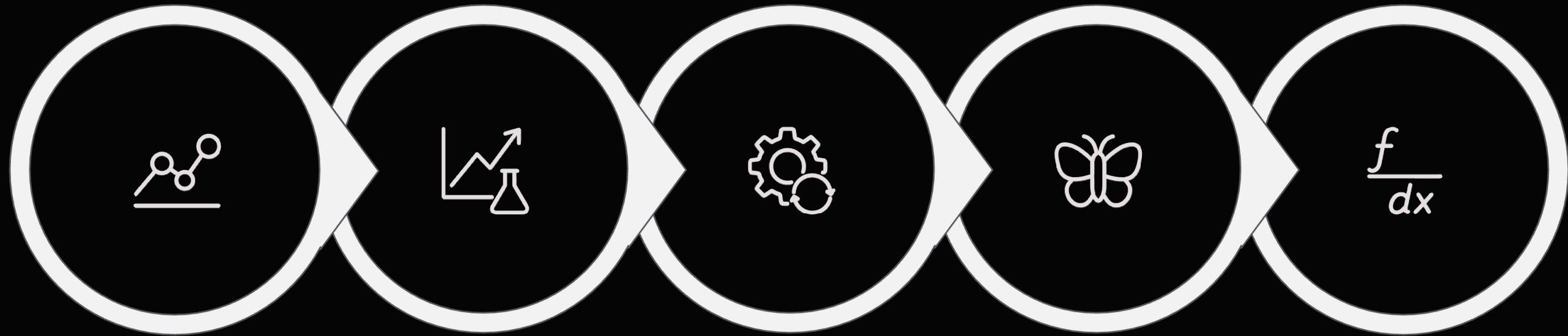
Service-level agreements (SLA)

## BTP Access

BTP consumption tickets

The core subscription provides essential ERP functionality with managed cloud infrastructure and guaranteed service levels.

# Additional RISE Components



Business Network

Signavio Insights

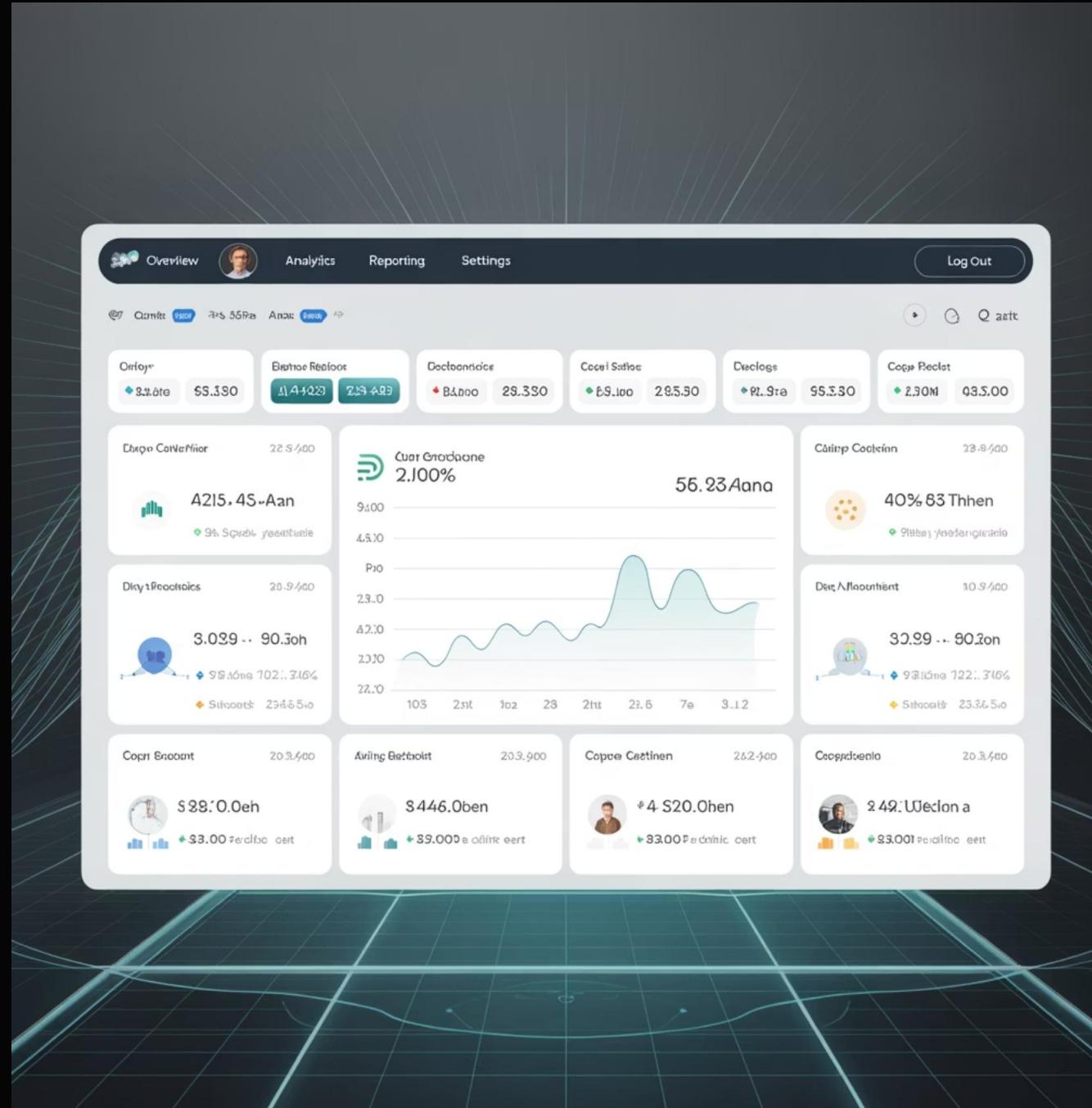
Process Intelligence

Transformação

Integração Parceiros

These additional components extend core ERP with process optimization and business network collaboration capabilities.

# S/4HANA Cloud Private Edition



- 1** SAP's current ERP solution
- 2** Covers finance, supply chain, sales
- 3** Operates on in-memory HANA database
- 4** Delivers real-time business analytics
- 5** Supports additional business areas

# Business Network Starter Pack



## Trading Partner Networks

Enables complex trading partner networks



## Supply Chain

Facilitates supply chain collaboration



## Integrations

Provides point-to-point integrations



## Business Functions

Supports procurement and asset management



## Logistics

Includes logistics connectivity documents

The starter pack addresses the complexity of modern business networks requiring seamless partner integration.

# Business Technology Platform



BTP provides the technical foundation for customizing and extending SAP solutions with modern development capabilities.

# Process Analytics and Insights

## Signavio Process Insights:

- Identifies improvement opportunities
- Analyzes SAP business processes



## Transformation Starter Pack:

- Extracts value from data
- Improves data quality components



# Advanced Process Tools



## Process Visualization

Display, design, and simulate processes



## AI Integration

Artificial intelligence integration



## No-Code Development

No-code development capabilities



## Process Automation

Process automation features



## Transformation Tools

Additional transformation tools

Modern process tools democratize business process improvement through AI-powered, user-friendly interfaces.

# Infrastructure and Support Services

## Cloud Infrastructure



## Hyperscalers

Major hyperscaler subscriptions included



## Providers

AWS, Microsoft Azure, Google Cloud

## Support Services



## Management

Event and incident management



## Infrastructure

Technical infrastructure support

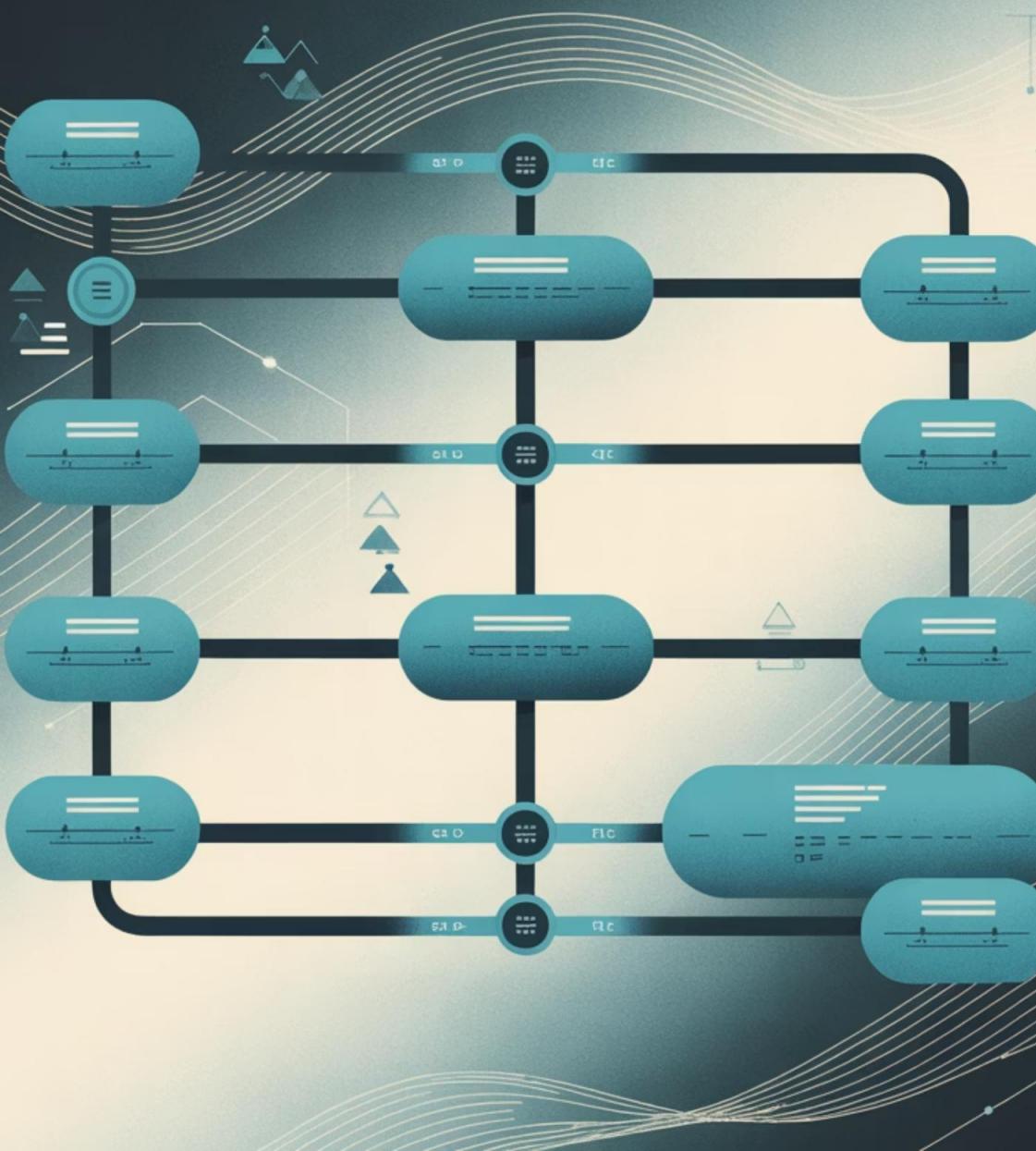


## Basis Services

Basis services under SLA terms

RISE provides complete infrastructure management across leading cloud platforms with comprehensive support services.

# Sap S/4hana Cloud Transition



# Basis Administrator Relevance

Many daily activities handled by RISE

Advisory services remain excluded

Implementation support still needed

Application management requires in-house resources

Partner expertise remains essential

- **Speaker Notes:** While RISE automates routine tasks, basis administrators remain crucial for advisory, implementation, and application management services.

# Private Cloud Architecture

- Operates as SAP private cloud environment
- Runs on AWS, Azure, GCP platforms
- Other applications need separate hosting
- Integration required with S/4HANA system

Speaker Notes: *Rise functions as a private cloud specifically for S/4HANA, requiring separate environments for other applications with integration needs.*

## SAP Private Cloud Architecture



# Platform Selection Factors

Datacenter location considerations

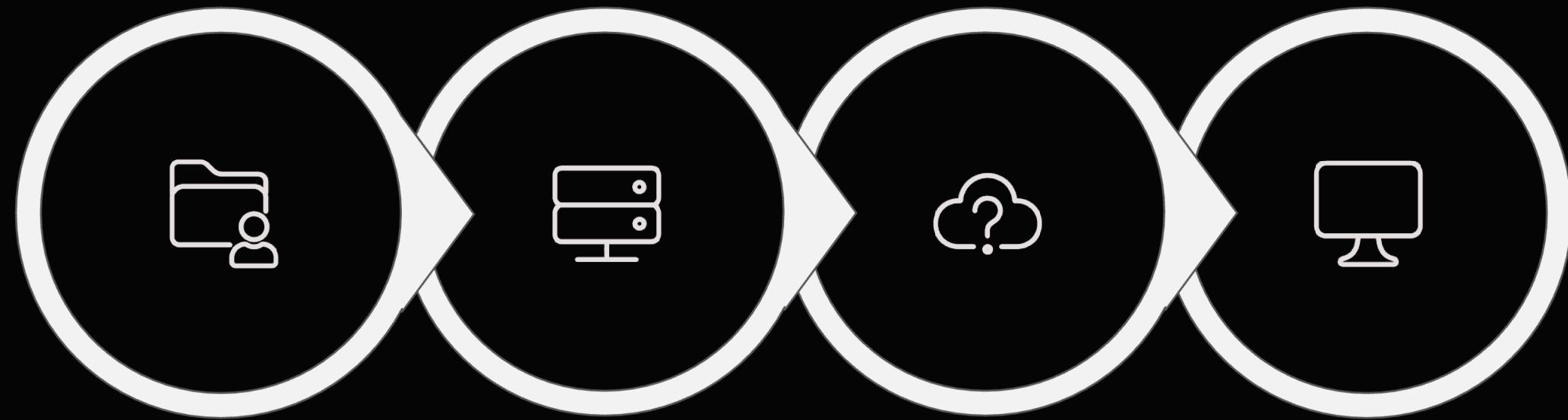
Service availability requirements

Compliance and regulatory needs

Network latency concerns with multi-platform

- ❑ **Speaker Notes:** Platform choice involves multiple factors, especially when running applications across different hyperscalers creates latency issues.

# Ongoing Customer Responsibilities



App & DB Mgmt

OS Administration

Virtual Env Mgmt

Non-RISE SAP  
Oversight

- ❑ Speaker Notes: Customers retain significant responsibilities for application layers and systems outside the RISE offering.

# Integration and Administrator Roles



- SAP BTP handles system integration
- Basis admins manage excluded systems
- Responsibility for SAP/non-SAP integration
- BTP integration suite configuration needed

**Speaker Notes:** Basis administrators remain responsible for systems outside RISE and managing integrations through SAP BTP.

# Service Scope Boundaries



Speaker Notes: RISE covers core technical operations but has clear boundaries, particularly regarding client management beyond 000.

# Additional Services and Fees

Application operations available separately

Must be purchased as an add-on service

Monitoring services require extra payment

Not included in standard RISE subscription

Batch processing remains customer responsibility

Requires in-house expertise to manage

User management stays with customer

Ongoing administrative task outside RISE scope

**Speaker Notes:** Many operational services require additional fees or remain entirely under customer responsibility.

# Role Evolution Trends



SaaS models increasingly adopted



Event and incident management included



Shift from routine to advisory functions



Change management becomes critical

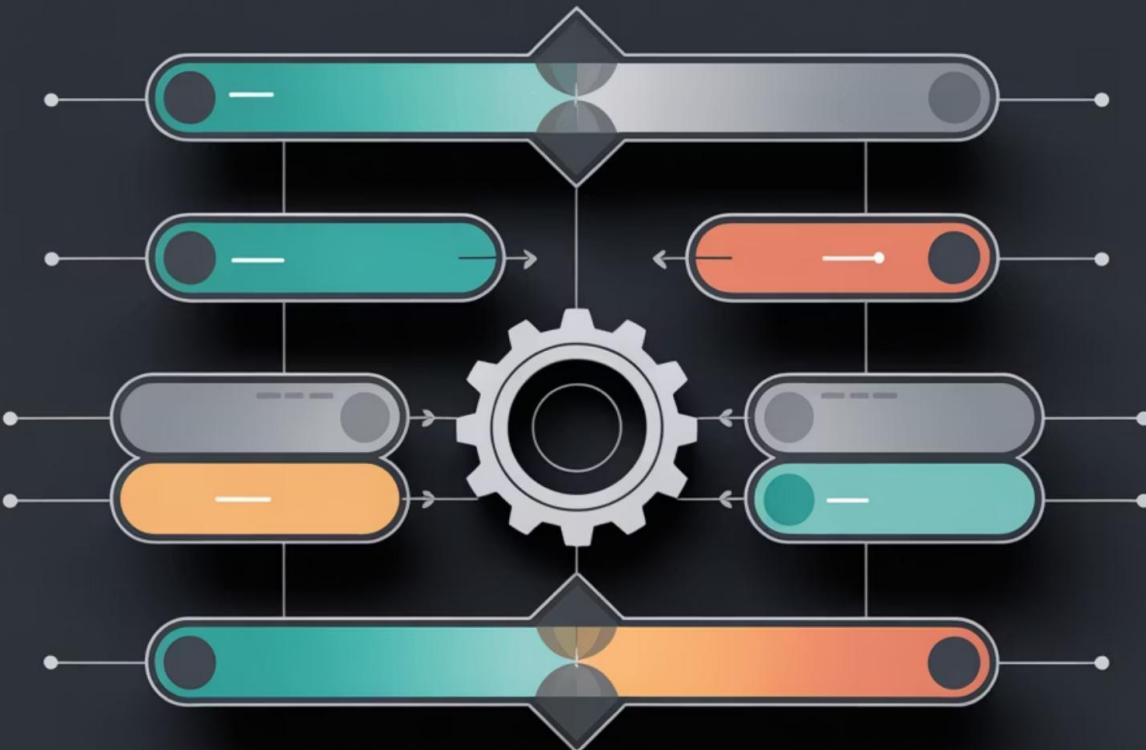
- Speaker Notes:** The basis administrator role evolves from routine tasks toward strategic advisory functions as automation increases.

# Automation and Conceptual Understanding

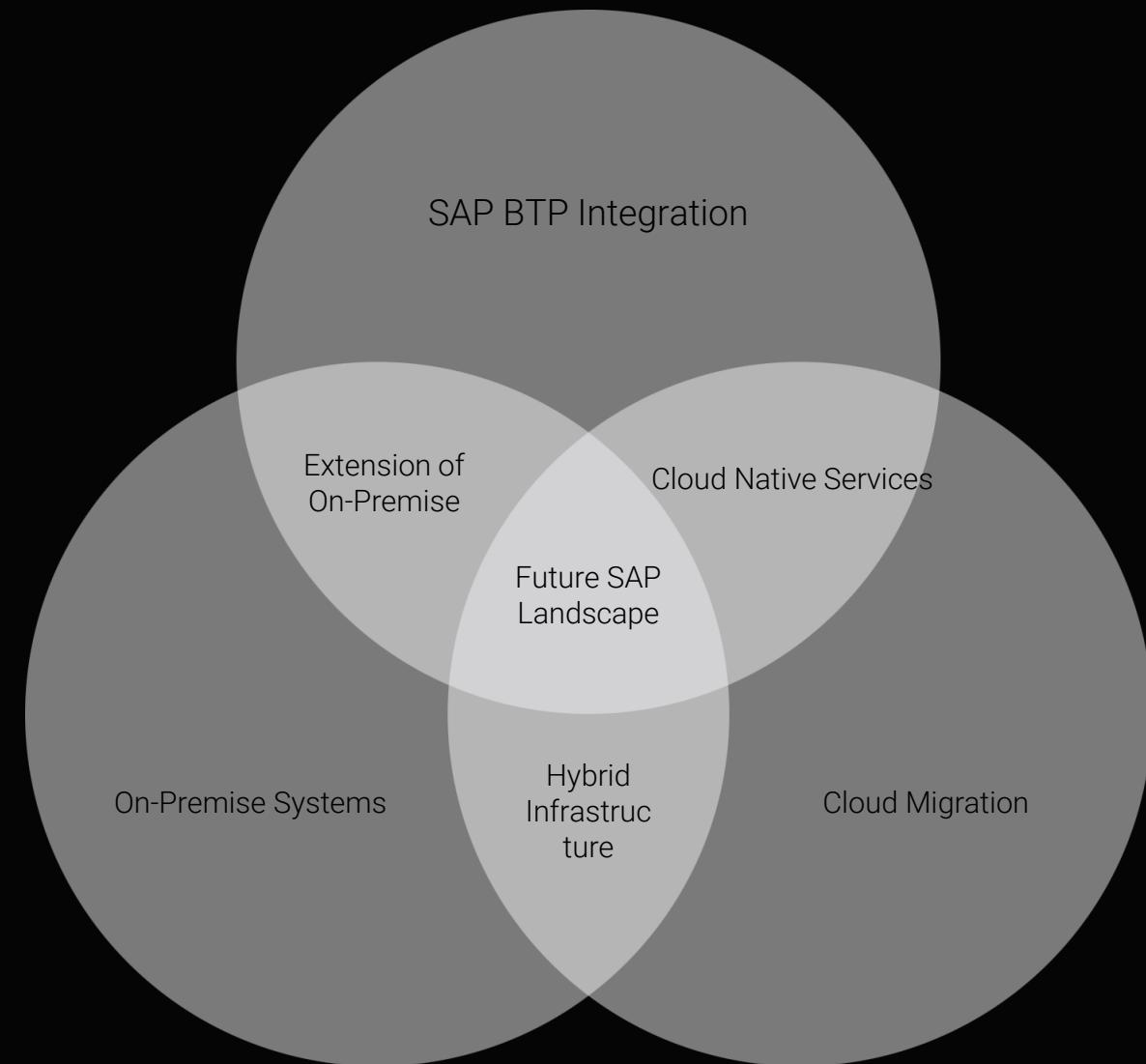
- SAP Landscape Management automates activities
- System copies automated with exceptions
- Pre/post-copy tasks need configuration
- Understanding why becomes more important

Speaker Notes: Automation handles routine tasks, but basis administrators must understand concepts and configure specialized activities.

## System Copy Process



# Future Landscape Outlook



- On-premise support continues for years
- Cloud migration trend undeniable
- SAP BTP connects diverse applications
- Extension and integration suites critical

# Emerging Cloud Responsibilities

SAP Cloud Identity Services management

New responsibility area for basis administrators

Authentication and provisioning tasks

Critical security functions requiring expertise

Configuration assigned to basis administrators

Technical setup remains with customer team

Client 000 limitation ensures continued relevance

Additional clients require customer management

- ❑ **Speaker Notes:** New cloud identity services and ongoing client management limitations ensure basis administrators remain essential in cloud environments.