Auritas

SAP Gold Partner

Master Overview Deck

Data Archiving & ILM

Auritas

Driving Innovation, Empowering Transformations.

1,500
Successful Projects

10,500+
TB of Data Managed

22+
Years Evolving Companies

$1,5B
Total Customer Savings

Data Management

- SAP Data Archiving
- SAP DaRT
- Data Quality & Governance
- Data Migration
- System Decommissioning
- Data Privacy

Solution implementation

- S/4HANA Implementation
- SAP Business Data Cloud (BDC)
- SAP BTP Deployment
- SAP OpenText
  - Extended ECM
  - Vendor Invoice Management
  - Doc Presentment
- SAP Ariba
- SAP Vistex
- SAP Vertex
- AI Implementation
- Cloud Migrations

Product & Innovations

- Data ASSIST by Auritas
  (Data Archiving Automation)
- Data GUARD by Auritas
  (Legacy Decommissioning)
- Auritas Intelligent Accrual
  (Financial Automation)

AURICARE
(AMS + Hypercare)

Strategic Partnerships

- SAP Gold Partner
- SAP PartnerEdge, Sell
- CCFlex – Cloud Choice Flex

SAP Gold Partner
opentext
Azure
SAP PartnerEdge®
aws
Google Cloud Partner
SAP CCFlex
VERTEX

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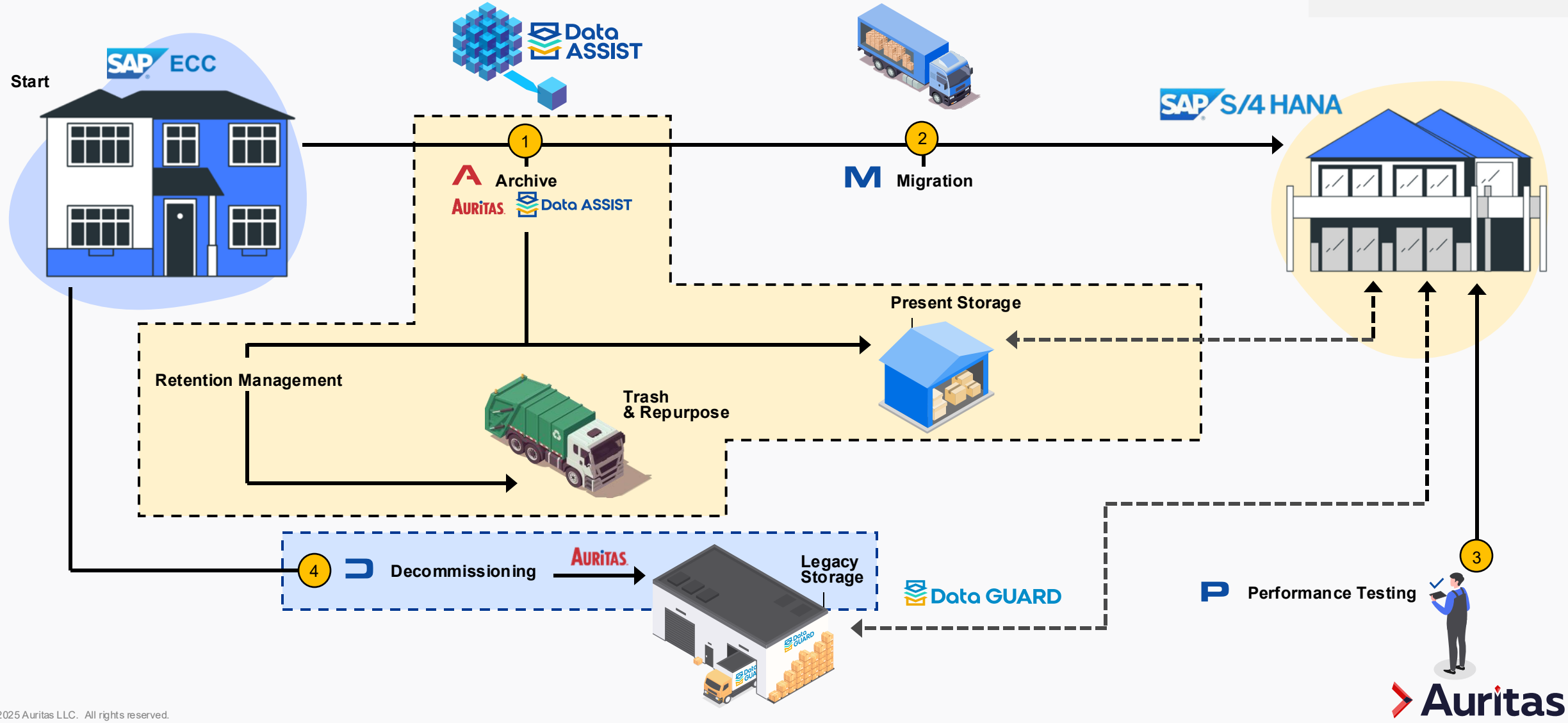
Customer Success

Services Across Multiple Industries – Verticals:

Automotive | Utilities | Financial Services | Chemicals | Customer Products | Defense & Aerospace | Engineering & Construction | Life Sciences & Healthcare | High Tech | Manufacturing & Distribution | Oil & Gas Mining | Retail

The Journey to S/4HANA: AMPD Methodology

Archive
Migration
Performance Test
Decommissioning



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S/4HANA Timeline

NOW

SAP S/4HANA

- Customers on their S/4 journey.
- Customers building and planning their S/4 journey.
- Customers waiting for S/4 but seeking value now.

Optimize Data

Reduce production data volume using archiving & retention.
Keep transactional & master data clean.
Decommission legacy systems reducing IT spend.

Data-Driven Decisioning

Cross-process data-driven decision-making will improve a customer's return on asset.
Initial focus around cash and spend management will ensure organization stability.

Continuous Process Automation

Further simplify processes across the enterprise with easy to create workflows. Automate high-volume, and repetitive manual tasks with intelligent bots will help adoption

Clean Application

Keep the core clean and improve operations with side-by-side enhancements. Leverage pre-built integrations, improving time to market for new capability

Low-Code Extensions

Starting to change behavior with a new application is often the linchpin to success. Enabling low-code/no-code solutions help organization deploy new capabilities weekly and keep up with dev backlog.

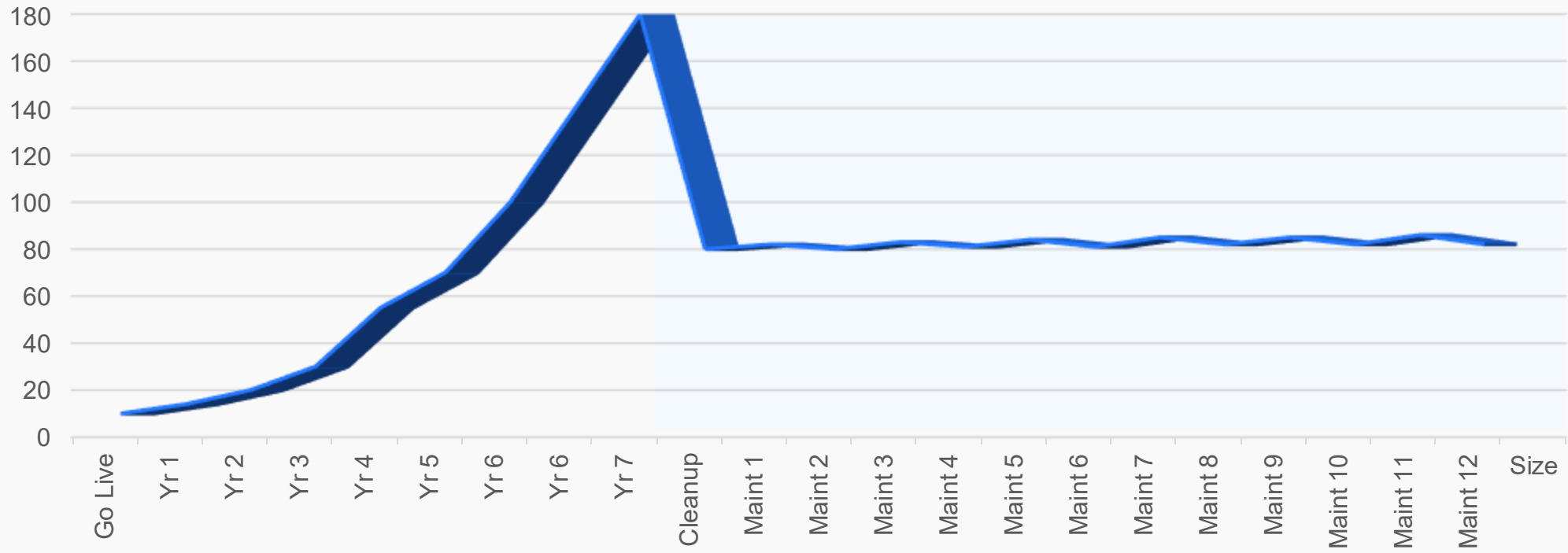
Quality Assurance

De-risk and accelerate RISE projects by analyzing the impact of software changes to better scope and automate what needs to be verified. Ensure that any changes do not break end-to-end business processes, slow application performance, or introduce data errors.

202x

Your Data is Growing.

“So, how do we flatten the curve?”



What if…

What if... You could eliminate transactional data older than 7 years (per your company's retention policy)?

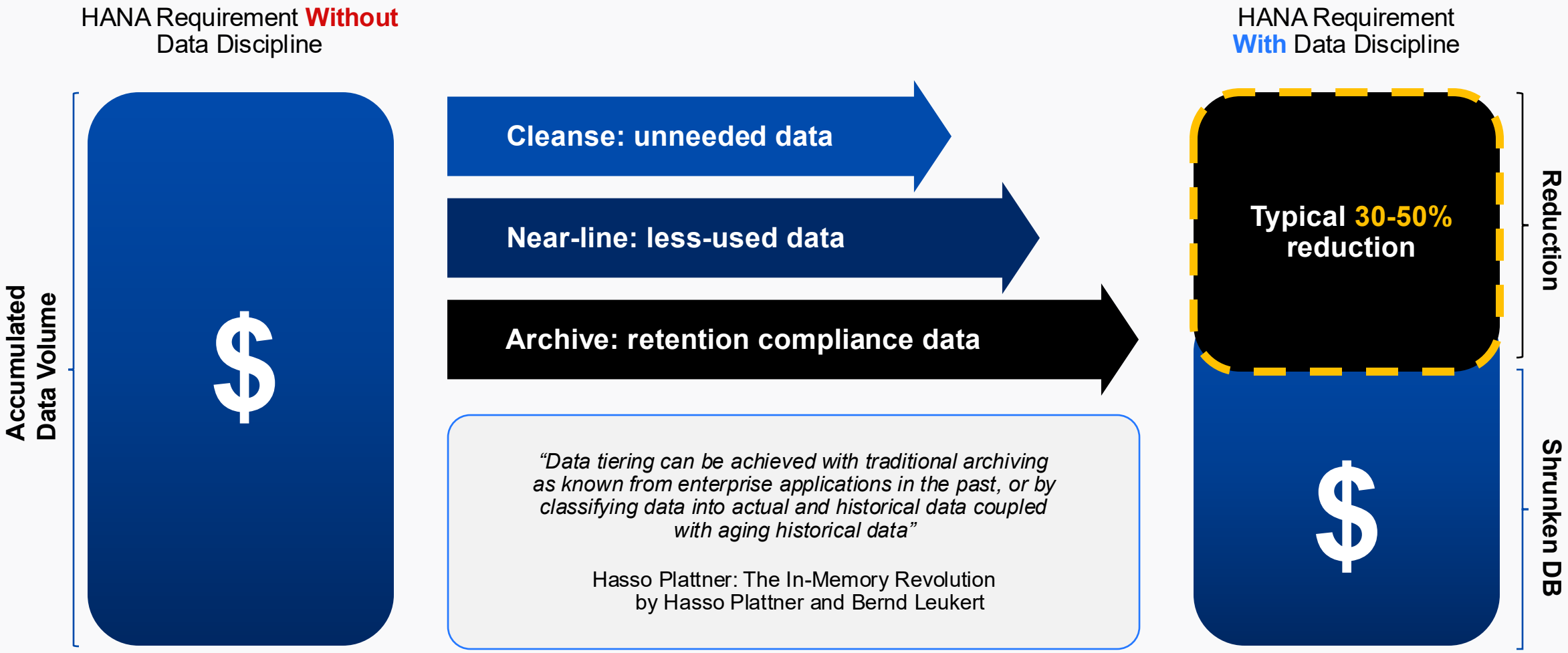
What if... you could reduce recovery time by 36%?

What if... you could extend the life of your HANA hardware by 30%?

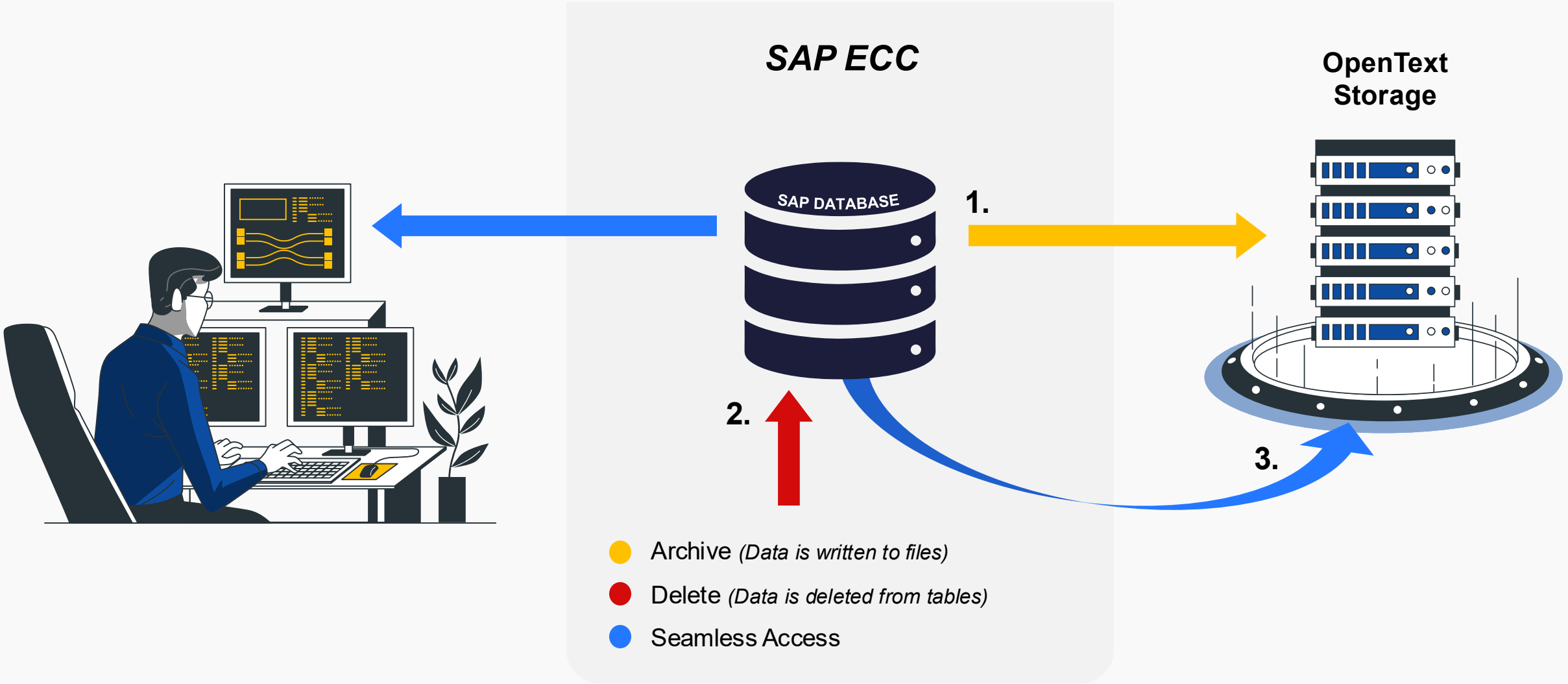
What if... you could reduce active storage by 40-60%?

What if... you could reduce the cost of appliance acquisition and future expansion?

Why Archive? HANA Sizing and Savings



Introduction to Data Archiving



Drivers Pushing Every Industry to ILM

Mergers & Acquisitions
Acquisition, joint venture

Divestitures
Business area organized as independent company, subsidiary spun off, part of company sold

Corporate restructuring & Data Privacy
Change organizational units in landscape accordingly

Business process optimization
Adapt processes in systems, unified accounting, master data cleansing

Consolidation of IT landscapes
Merge systems, harmonize system landscape, provide cross-system functions, reduce TCO

Negative Impact To Organizations Without ILM

- Increased spend (licenses & hardware)
- Exposure to increased penalties w/ historical data
- Increased S/4HANA implementation costs
- Bleeding of funds managing legacy data
- Decreased production efficiency
- System not optimized for service excellence
- Inefficient And Costly SAP Systems
- Critical Decisions Compromised Due To Data Pollution
- Business Decisions Are Corrupted By Poor Data Quality
- Lack Of Consolidated View Of Data Across All Channels
- Exposure To Potential Lawsuits In Data Privacy

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ILM GAPS

- Identify what data can be archived?
- Ability to determine savings and ROI before project execution
- Automation of archiving process
  - Dynamic variants
  - Scheduling
  - Sequencing
  - Pre-requisites
- Data driven matrix for archiving outcomes

SAP Information Lifecycle Management (ILM)

Data Archiving

- Analyze data volumes
- Securely move data from the database to the archive
- Comfortably access archived data
- Archive SAP NW BW data (near-line storage)

Volume Management

Retention Management

- Manage all retention policies across the enterprise
- Manage the responsible destruction of data based on policies
- Enforce retention policies
- Use secure ILM-aware storage (partner offerings)
- Perform e-Discovery and set legal holds

End-of-life Data

System Decommissioning

- Enforce retention policies on data from shut-down system
- Run reporting on data from shut-down system (SAP BW)
- Use predefined BW tax content and reporting interface
- Benefit from independently understandable archive

End-of-life System

Data Blocking, Retention, Deletion for SAP Landscapes:

- Manage all archiving & retention policies across the enterprise
- Responsible destruction of data based on policies
- Enforce retention policies
- Use secure ILM-aware storage (partner offerings)
- Perform e-Discovery and set legal holds

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Project Management Methodology

Project Management Methodology

- Defined **Quality Gates** and Quality Gate **Checklist** required to exit each phase.
- **6-Steps** with specific inputs and outputs for each phase.

Plan

Key Tasks:
- Create Project Plan
- Mobilize Team
- Establish project standards
- Kickoff Project

Deliverables:
- Initial Project Plan
- Mobilized Project Team
- Roles and Responsibilities defined
- Kickoff

Blue-Print

Key Tasks:
- Review current system and processes
- Project Plan Finalization
- Identify Gaps
- Perform Req. Gathering
- Identify RICEF if necessary
- Identify Data Requirements
- Finalize Blueprint
- Obtain Signoff

Deliverables:
- Business Solution Sign-off
- Initial Training Plan
- Finalized Project plan

Realize

Key Tasks:
- Functional and technical design documents
- System configuration and unit testing
- Security requirements
- Master Data and Security Requirements
- Development/Testing if necessary
- Initial Cutover plan
- Create Testing Scenarios
- Integration Testing within all SAP Modules
- User Acceptance Testing
- Training & document creation

Deliverables:
- Configured and working system package
- Technical Specifications
- Testing Specifications
- Testing with no negative impact on other systems
- User sign off system package
- Training plan & documents
- Final Cutover Plan

Go - Live

Key Tasks:
- Train End Users
- Prepare production systems for cutover
- Complete Go/No Go analysis
- Migrate System configuration & setup
- Convert & validate data
- Mobilize Go-Live Team
- Testing of functionality, configuration and RICEF changes
- User Acceptance Testing
- Train trainers

Deliverables:
- Fully integrated testing with no negative impact on other systems
- User signoff of system package
- Final Cutover plan

Hypercare

Key Tasks:
- Train end users
- Prepare Production systems for cutover
- Complete Go/No Go Analysis
- Migrate system configuration and setup
- Convert and validate data
- Mobilize Go-Live team
- Complete Cut-over to Production

Deliverables:
- Trained & proficient end users
- Configured & working production system
- Go-live Support Team ready
- Converted data

Closure

Key Tasks:
- Customer Feedback
- Close out project
- Lessons learned

Deliverables:
- All files checked into version control
- Customer Survey
- Closure Report

Project Structure
Key Roles & Responsibilities

Leadership	• Steering Committee Representation on Strategic Projects • Cross-BU Leadership Collaboration for Risks Mitigation and Critical Issues Resolution • Customer Sponsor Level Stakeholder Relationships Management
Managers	• Escalation Resolution • Collaboration support for Risks Mitigation and Critical Issues Resolution • Talent and Resource Gaps and Issues Resolution • Oversee Process, Metrics and Controls adherence • Solution Quality Assurance, RAID Impacts Leadership
Project Director	• Develop, maintain and monitor project plan • Report project status • Be the SPOC for all RAID identification & closure • Ensure deliverables are complete and signed-off • Budget Management, Time Sheets, CRs
Lead Consultant	• Own client business needs and solution scope • Own Design and Solutions, Landscape, Architecture, Security, Testing • Config Validations, Code Reviews, Documentation Reviews • Integration testing and User Acceptance Testing • Knowledge Transfer and Training
Consultant	• Understanding of client business needs and solution scope • Solution Configuration, Setup, Development, Testing • Integration testing and User Acceptance Testing • Resolution of Issues • Documentation of Deliverables

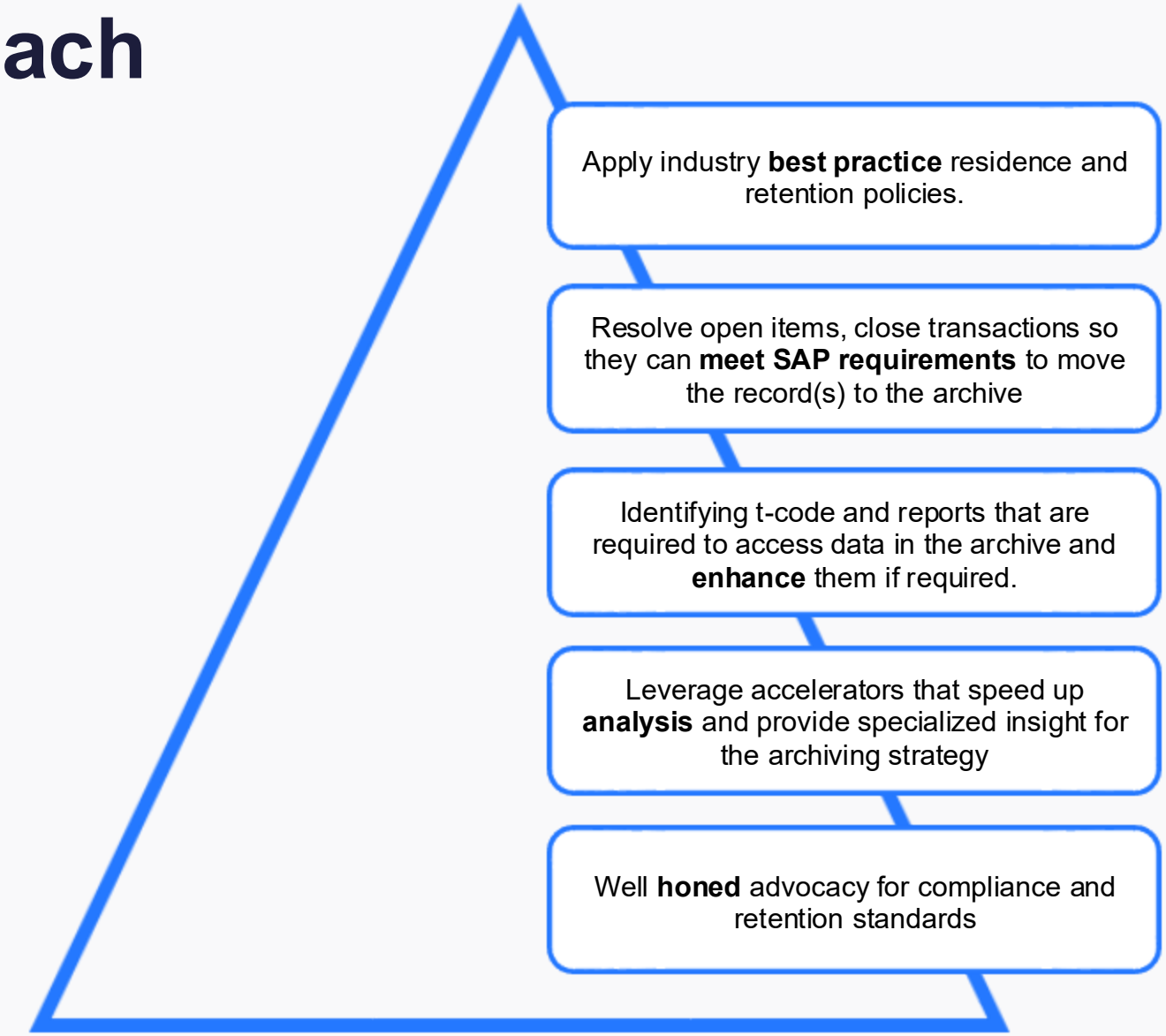
Our Solution Approach

A three-stage process that results in a **highly effective** implementation of data volume management.

1. Assess
2. Address
3. Sustain

Our Solution Approach

- Maximize effectiveness of archiving
- Minimize impact on the user experience while remaining compliant



Assess: 6Rs of Data Archiving

Residence

- The period of time a document remains in the online database.

Decide how long you keep your data in database then migrate to archives

Retention

- The “life” of a record in ERP system (e.g. Finance = 7y)

Match retention scheduled to corporate policies

Restrictions

- Doc types
- Countries
- Military/ Gov. partners
- Regulated Company

Define consistent selection criteria for managing your data

Requirements

- Documents
- Z tables
- Data quality
- Testing scenarios
- Integrated systems

Identify transactions and reports impacted by archiving

Reporting

- Historical v/s current data access
- HANA Ent/SLT

Decide if these reports need archive enabling

Identify extractors to be archive enables for BW

Retrieval

- Standard SAP delivered t-code and reports
- DRB – Learn ALO1
- DaRT, BW

Evaluate and choose options for storage & retrieval

Assess: Accelerators

- SDAT
- ADQ

Accelerators for Assessment	Assessment Outcomes Impacted
Strategic Data Assessment Tool (SDAT): Used to identify custom reports that may be impacted by archiving	1. Tables & Table Sizes 2. Data Access & Retrieval Requirements 3. Operation Requirements 4. Statutory & Legal Requirements including Legal holds 5. Archiving objects and dependencies
Auritas Data Quality Tool (ADQ): Data quality analysis tool that identifies the amount and type of open conditions for various archiving objects	

Assess: Workshops
Requirements Stakeholders

Requirements Workshops

- Identifying opportunities and solutions that can maximize efficiency of archiving efforts
- Achieving best practice residence periods,
- Prerequisite archiving dependencies
- Data quality assessments (open items)
- Archive enabling reports and other means to access archived data.
- Table growth & input sources

Assessment of Business Transactions

- Business complete documents that are eligible and available to archive.
- Business complete transactions that are not technically updated.
- Business in-complete transactions
- Process Dependencies

Address

Setup & configure ADK to meet requirements elicited during assessment

Technical Data Cleanup / Housekeeping

- Technical tables and objects that can be addressed with limited requirements from business user.
- Requirements and testing are relatively simple and can be implemented in a relatively short time.

ECC Unstructured Data Migration Using Migration

- Move documents stored on the database to a secondary storage.
- Technical implementation requires little if any business or functional resources

ECC Functional Data

- All other functional data (e.g., Finance, Sales, Procurement, HR) will require inputs from the functional SMEs and business users in the form of requirements and user acceptance testing
- Execution of blueprint developed through workshops with functional SMEs and Business users.

Sustain

Operationalize & execute archiving strategy to comply with residence and retention policies.

Execution of archive and deletion jobs that **triggers** the archiving process (including delete jobs)

Move data out of SAP and to the storage repository.

On-going **Archiving**

Data ASSIST by Auritas for **automating and scheduling steady state archiving**. Variants are configured in Data Assist to support steady state data archiving.

Steady-State Archiving

Roadmap Your ILM Implementation

1. **Identification and Mapping**
   - Analysis of requirements of data, business and regulatory inventory
   - Solution design
   - Security audit
   - Data & Document retention policies
   - Chain of custody & Ownership
2. **Discovery**
   - Mapping of data to retention policies
   - Auditing
   - Billing and charge-back
3. **Retention Implementation**
   - Backup and disaster recovery
   - Legal holds
   - Data & Document splitting
   - Information Destruction based on policies
4. **Execution and Maintenance**

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SAP Data Retention Tool (DaRT)

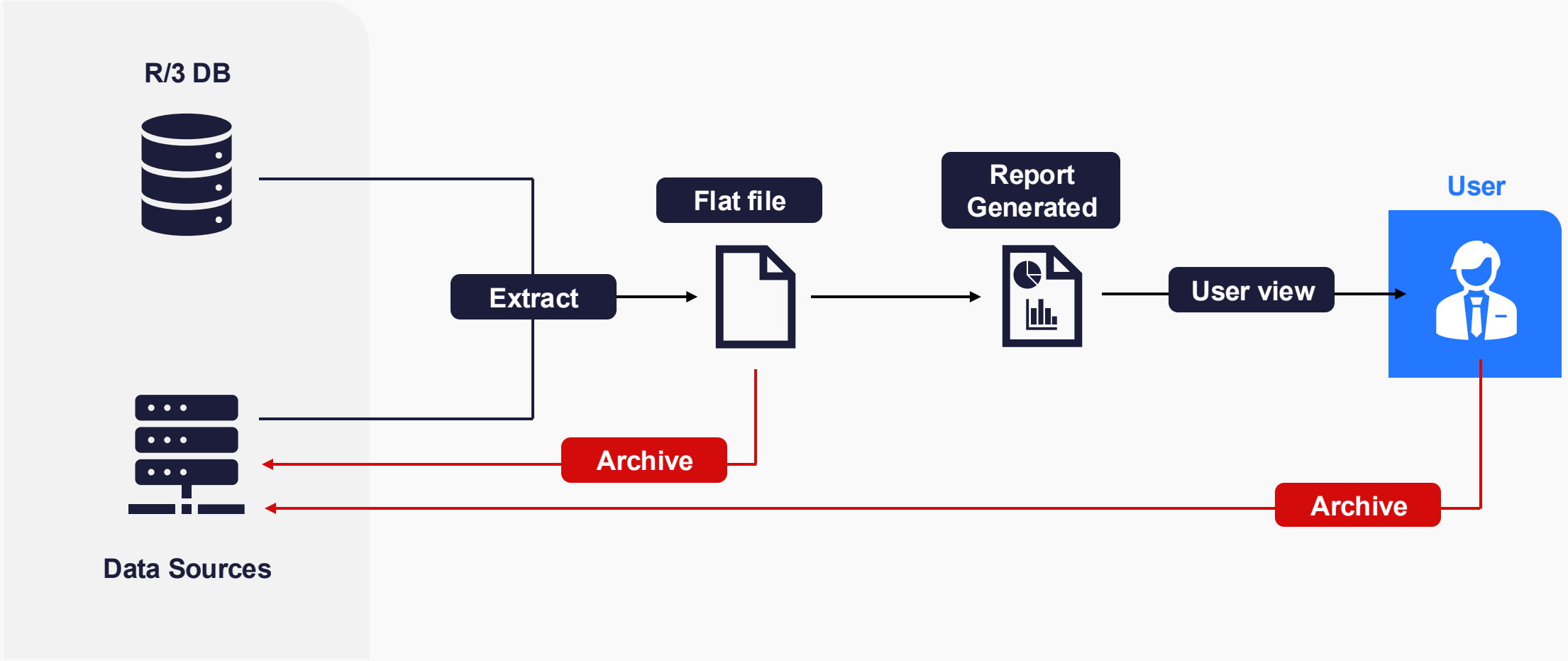
SAP DaRT enables extracting and retaining access to tax-relevant SAP data for audits, legal compliance, and regulatory reporting.

- Structured, ready-to-use reports and data files
- Ensured compliance with tax regulations
- Simplified tax audits
- Secure financial data retention
- Data extraction in easily accessible formats

SAP DaRT + Auritas

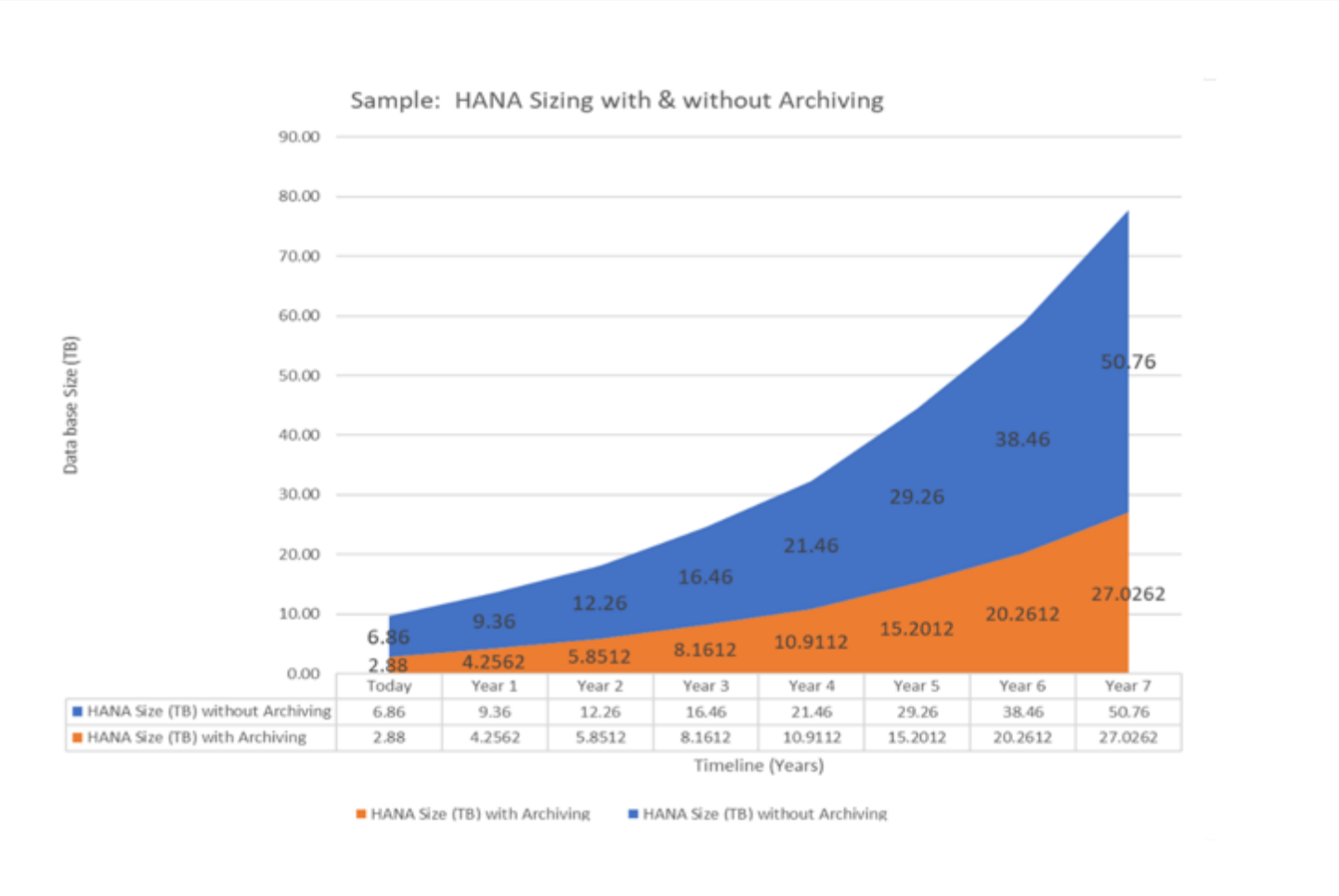
- SAP DaRT install
- Configuration of extraction rules.
- Extraction of financial and tax-relevant data
- Data retention & compliance management
- Custom reports & views generation
- Audit support & consulting
- Enhancements:
  - DaRT for system decommissioning
  - Dynamic reporting using Datasphere & SAC

SAP DART Process (Simplified)

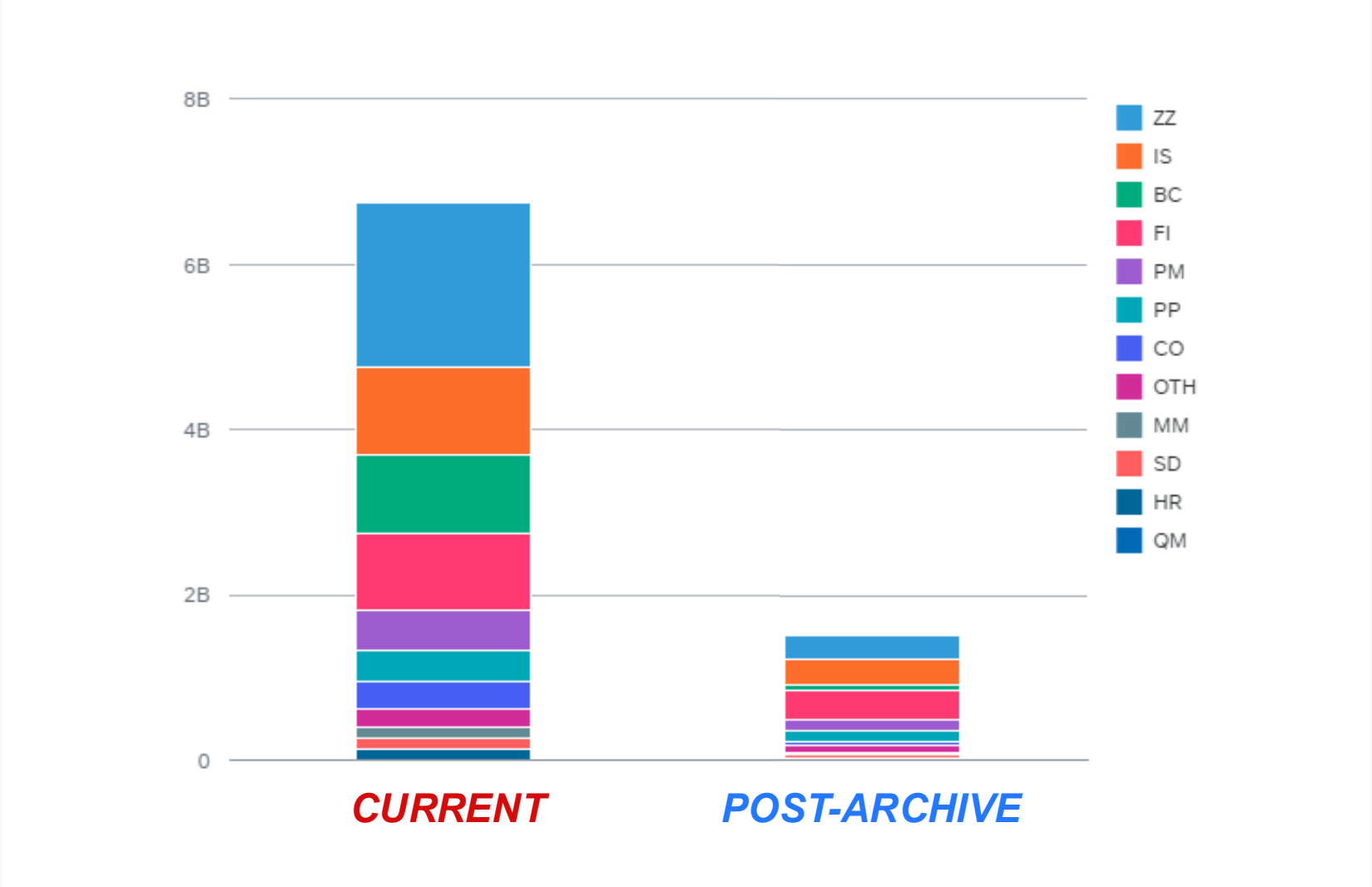


Data Volume Management Benefits

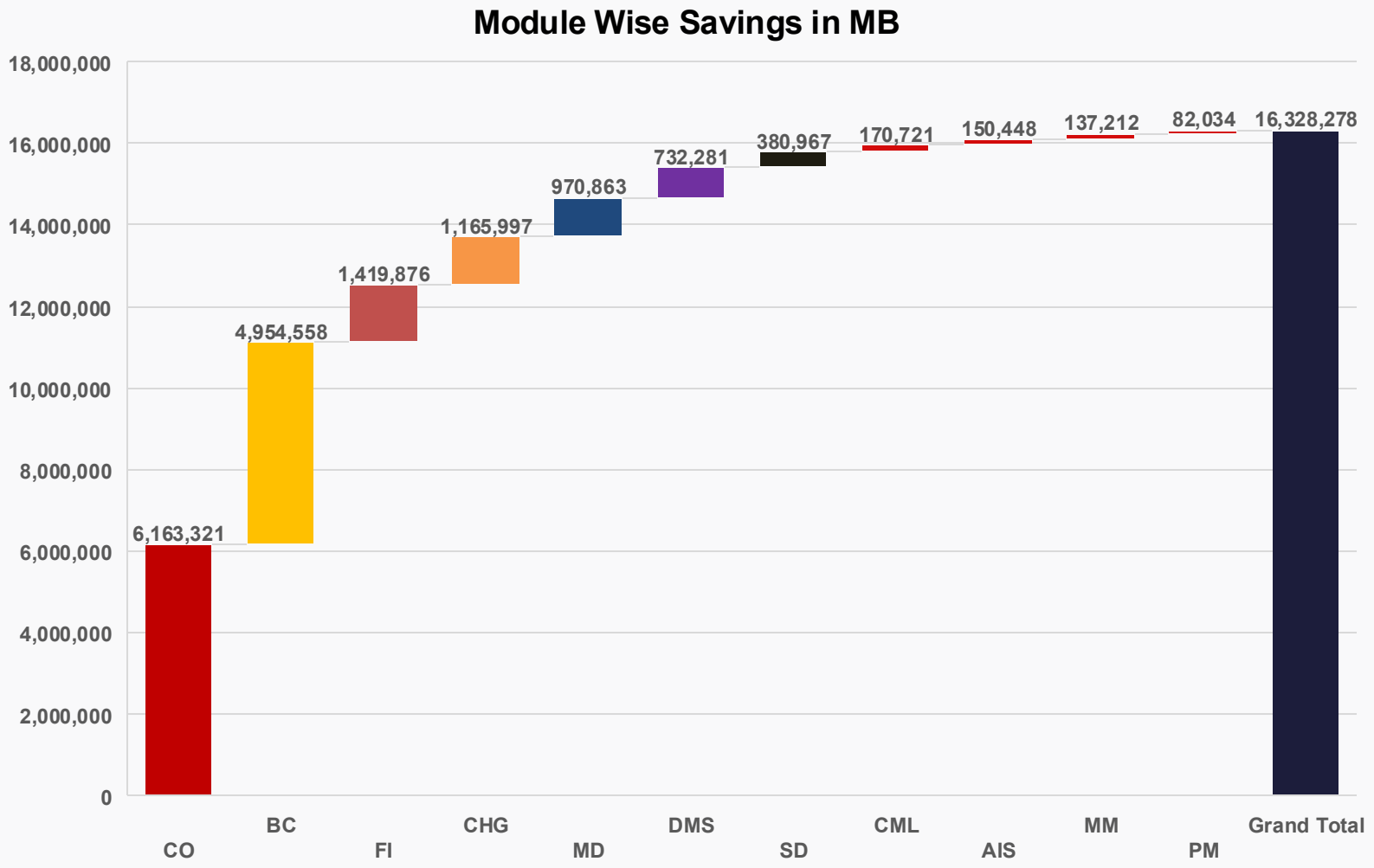
- Massive reduction in SAP DB Size
- Controlled database growth
- Improved system performance
- Reduced Migration & Backup durations
- Extend life of current HANA Infrastructure



Data Distribution: By Stacked Modules



Visualizing Your Archiving Opportunity



Analyze your database, calculate ROI and automate your data archiving with Auritas' all-in-one solution.

Data ASSIST

Data ASSIST by Auritas helps organizations efficiently optimize their SAP data volume management by automating the data archiving process. It simplifies identifying and archiving redundant or non-essential data, reducing database size, lowering storage costs, and improving overall SAP efficiency.

Visual Analysis, Insights Real-Time & ROI Projections:
Analyze your data using customizable visual charts and graphs, allowing you to perform "what-if" analysis to help identify which items to archive for optimal ROI.

Automate Scheduling, Eliminate Manual Errors:
Eliminate the need for manual intervention, and avoid the risks associated with employee turnover, forgetfulness, or human error.

Manage All Job Schedules from One Screen:
Save time by managing, configuring, and maintaining job schedules from a single, centralized screen.

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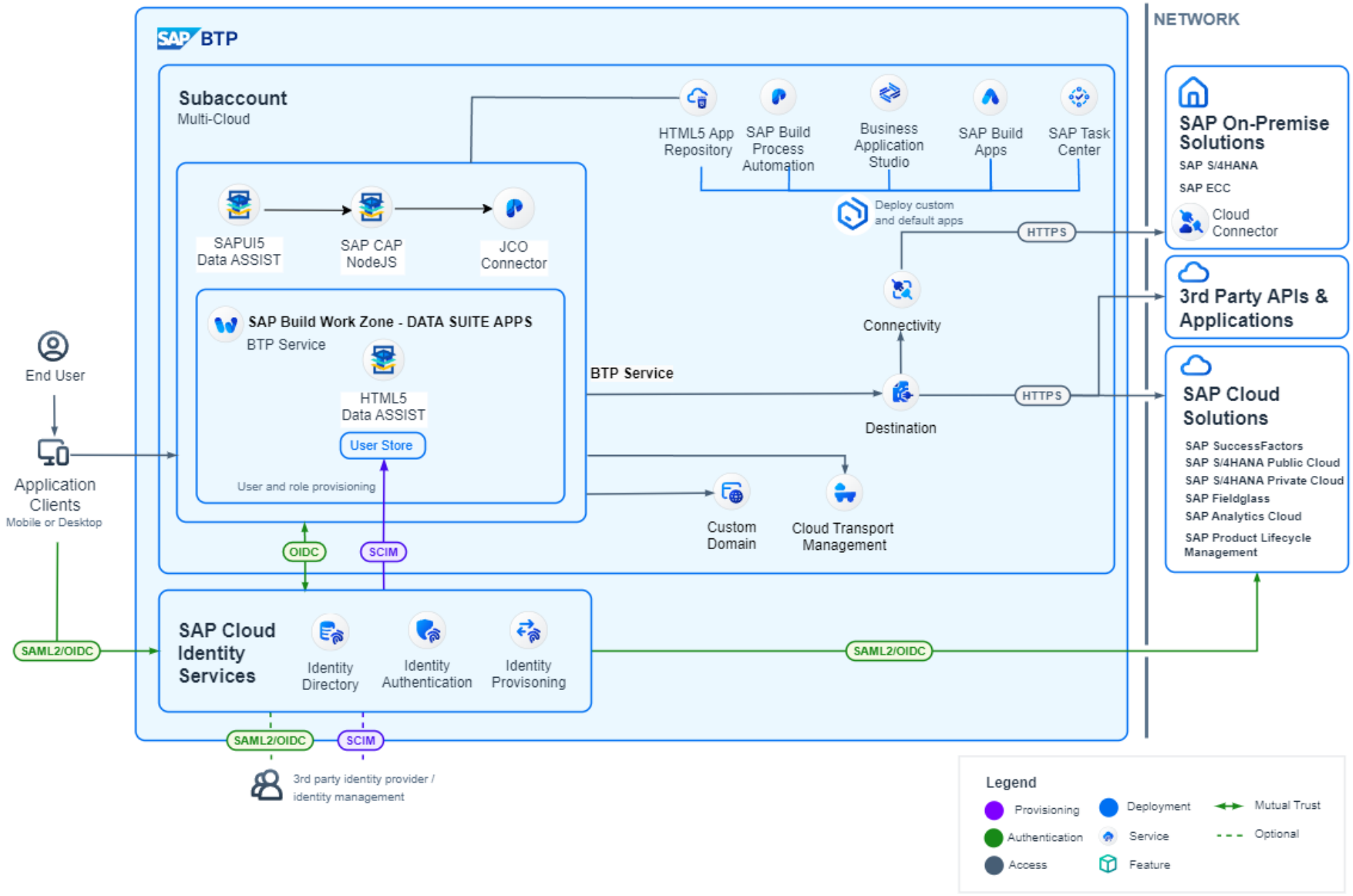
Data ASSIST



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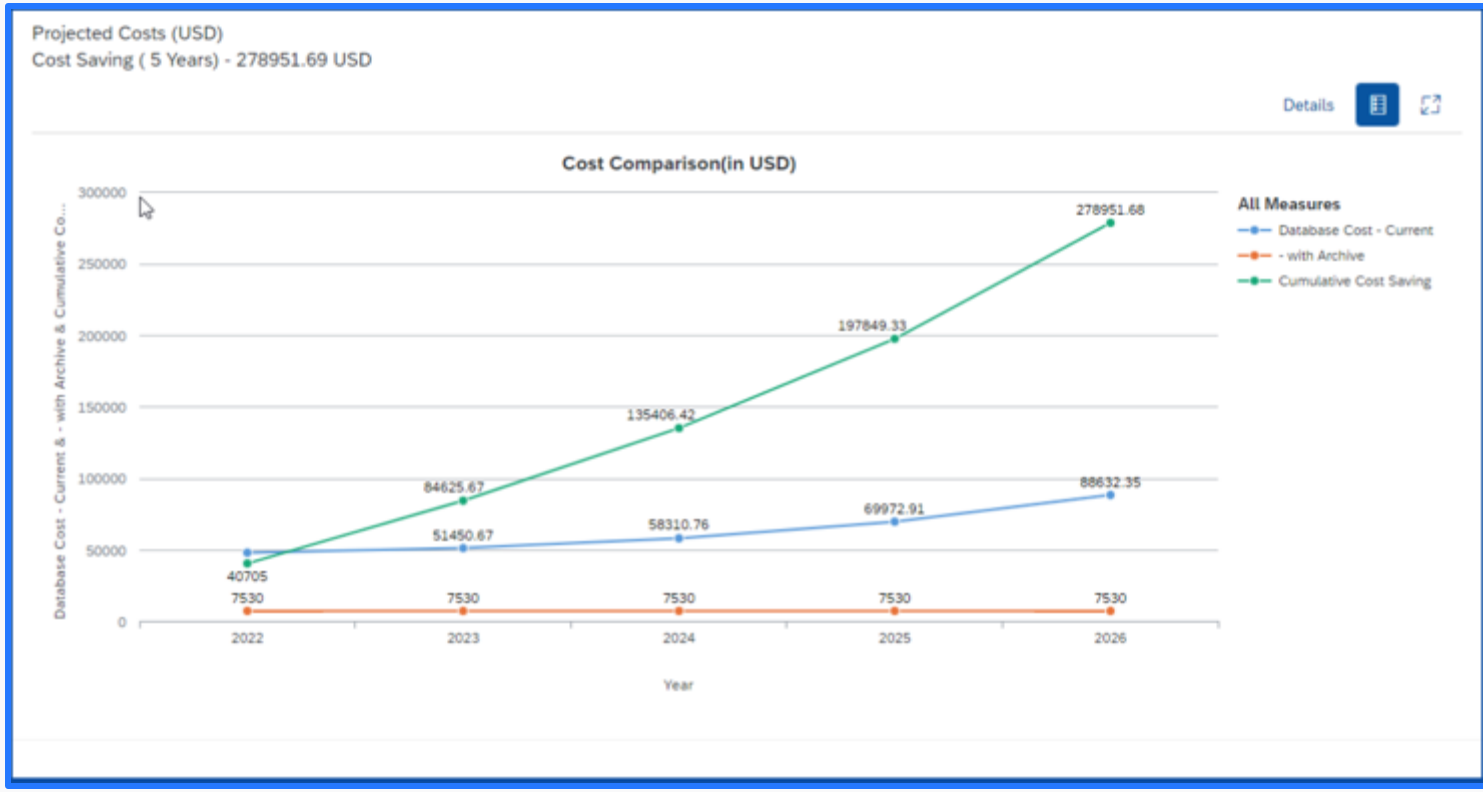
Calculating ROI

- Quantifiable before and after results
- 10 or more objects difficult to manage
- Loss of talent, vacations, etc.
- Solved by automated, scheduled, archiving.



The Savings are Not Limited to Hardware Costs

Retention Compliance

Eliminate transactional data older than 7 yrs
Don’t migrate expired data (per corporate retention policy)

Cost of Downtime

Reduce recovery time by up to 36%
Reduce in Cutover time during HANA go-live
Less data in active system requires less recovery time

Optimized Performance

Extend the life of your HANA hardware by 30%
Data management critical for high performance

Storage Footprint

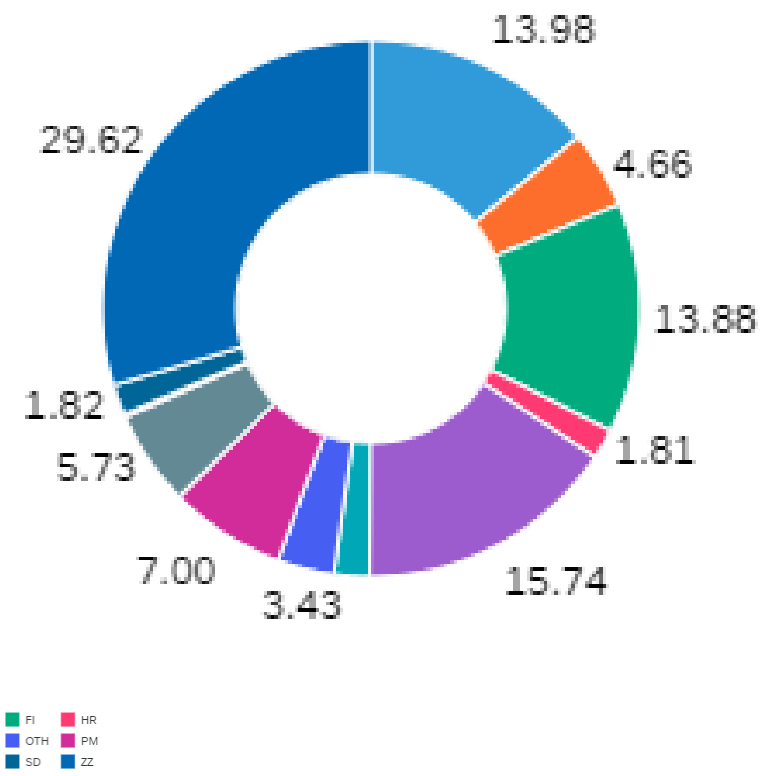
Reduce active storage by 40-60%
Move historical data to write media,
Manage time-value of data with data archiving

Reduced HANA Footprint

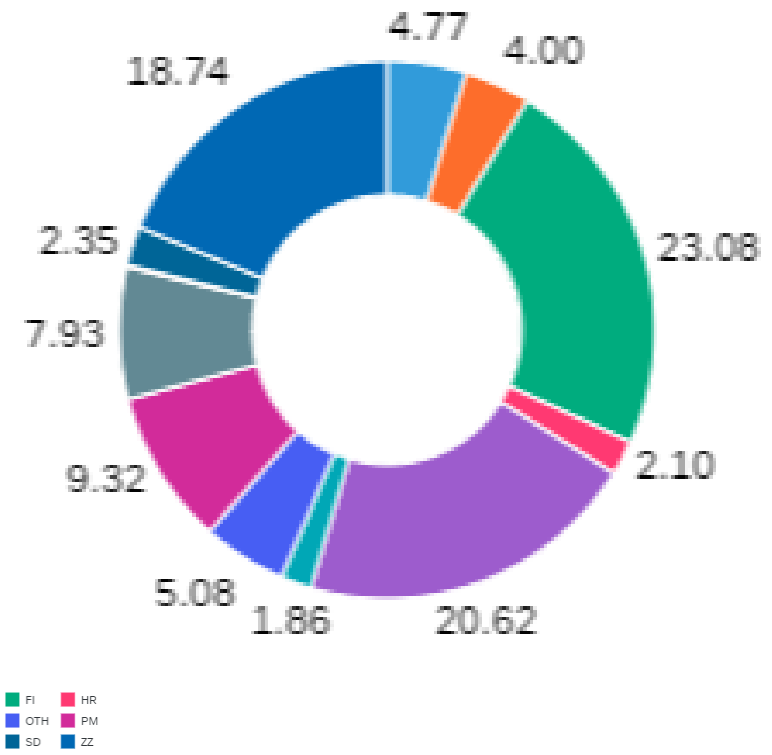
Reduced cost of appliance acquisition & future expansion
Smaller active data set requires less infrastructure
Steady state data aging techniques control data growth

Data Distribution

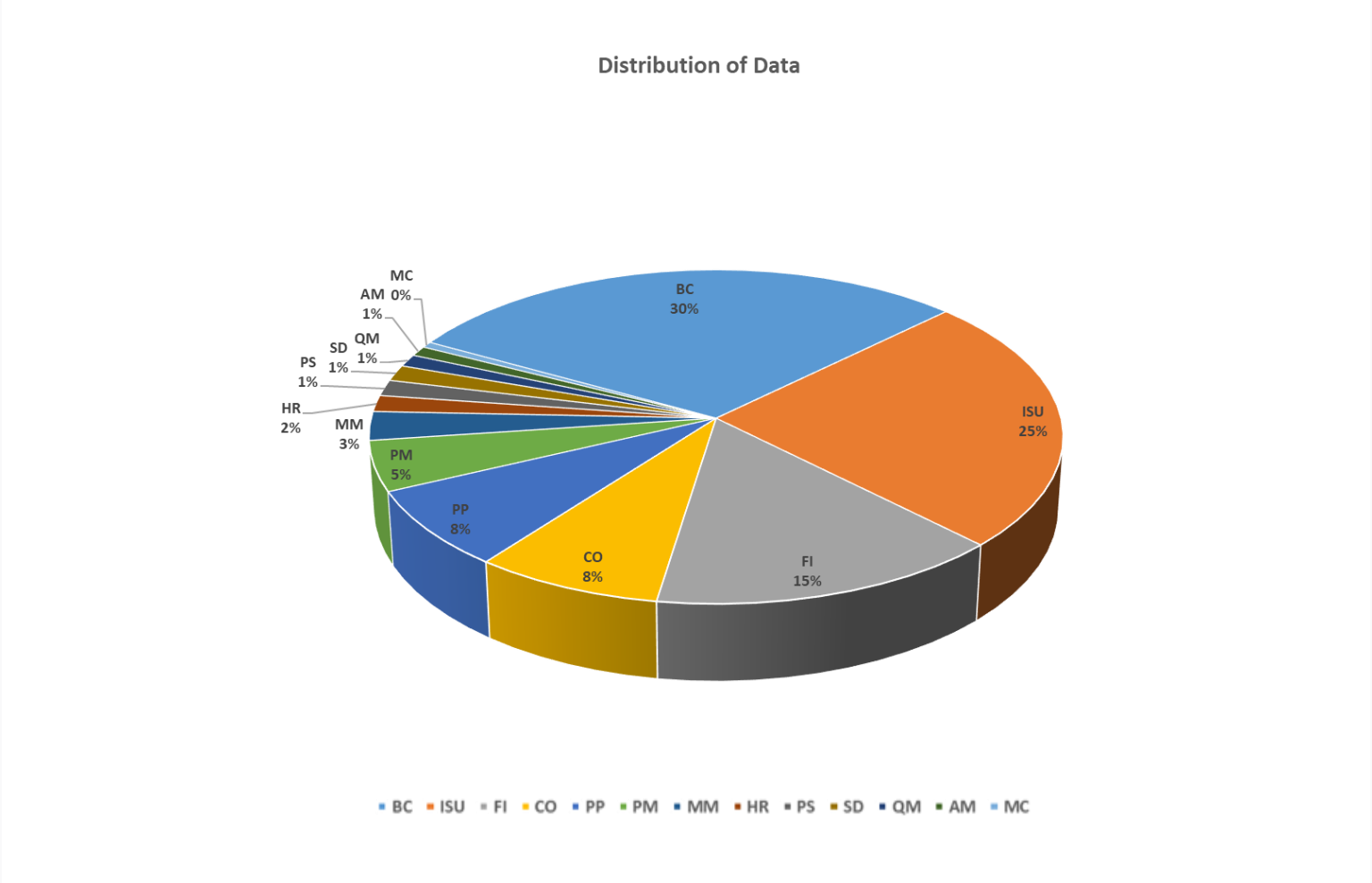
Current



Post-Archiving



Auritas DM Assessment Results & Example



Our Experience: Success Stories

Industrial Goods and Machinery

Success Story:

Enterprise Database Reduction by 60% with Data Archiving

Background & Pain Points:

- System performance challenges and disruption risks.
- Business users unhappy with functionality issues.
- Challenges keeping up with manual processes.
- Hardware and Cloud hosting/backup costs continued to rise.

Solution:

- Analyzed the current data footprint.
- Data ASSIST:
- Facilitated identification reductions through itemized archiving objects.
- Automated the archival process of historical data with dynamic scheduling.
- Defined retention requirements and implementing a compliance strategy.

Results & ROI:

- Database size reduction by 60%
- Real-time, custom-query reporting.
- Database performance increased by 19%.
- Improved user experience, enhanced system efficiency.
- BTP provided a scalable framework.
- Archived content was securely stored yet easily retrievable.

Consumer Goods/Retail

Success Story:

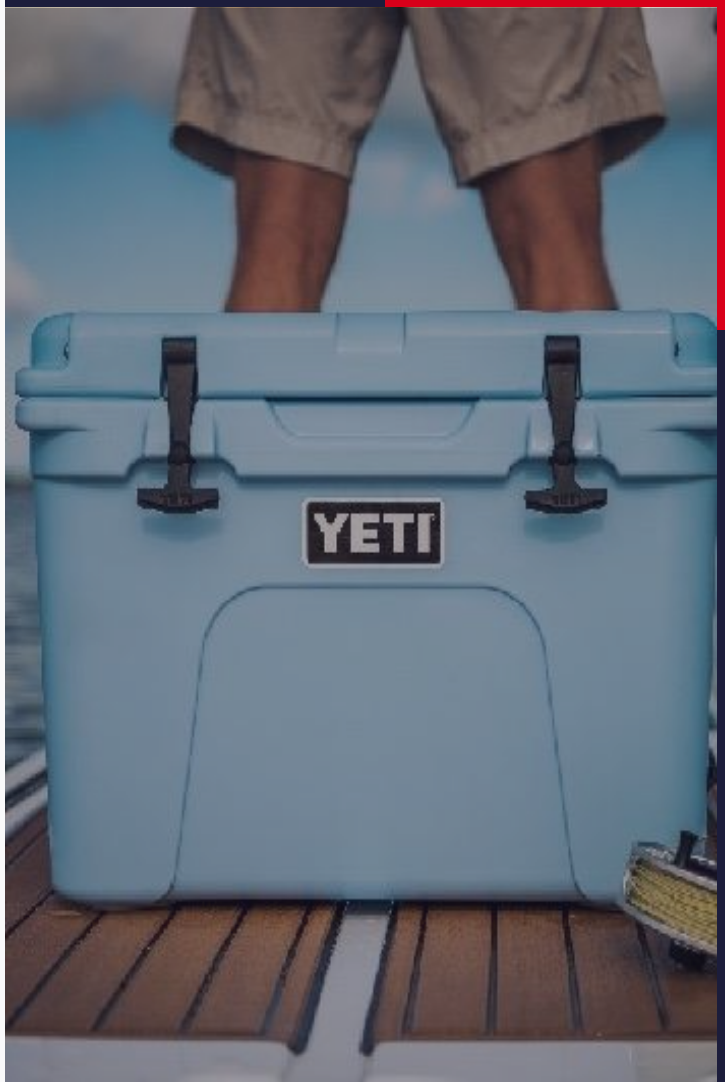
Improved System Performance & Cost Savings with Data ASSIST

Background & Pain Points:

- Continuously growing table sizes and overall data volume in the primary DB.
- Database size has grown to over 230%, with a current growth of approximately 15% per month.
- No data volume management or archiving strategy in place.
- Growing costs associated with growing volume.
- Recurrent need to reallocate resources to address any issues with memory.

Results & ROI:

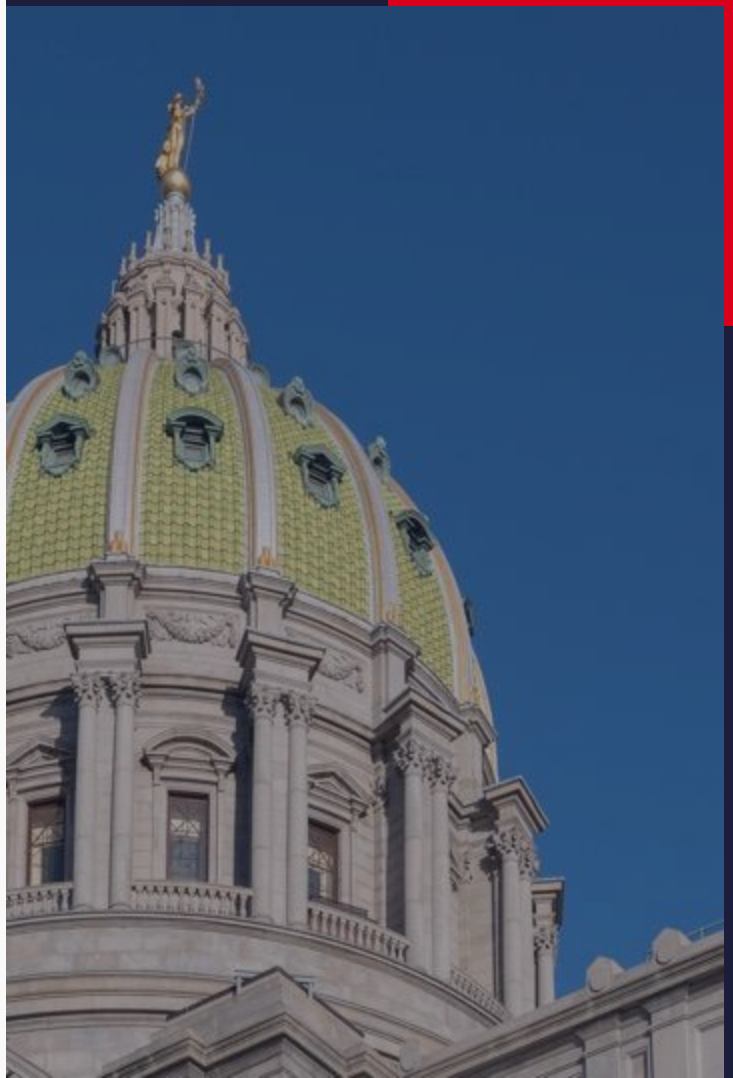
- Reduced storage needs, with cumulative cost savings for the first three years surpassing $200k.
- Reduced migration time periods.
- Improved system performance and speed to access information.
- Maintaining the database size and growth with automated scheduling.
- Implementation of retention policies for compliance.
- Database size reduction by estimated 40%.



Public Sector

Success Story:

Streamlined IT Landscape: Data Volume Management



Background & Pain Points:

- IT landscape complexity. Third-party content management application outside SAP.
- Non-standardized environment and high data pollution.
- Inefficiencies in hardware management.
- Increased hardware costs due to inefficient management.

Solution:

- Robust data volume management strategy, leveraging Auritas' proprietary tools:
- Data archiving, using Auritas accelerators to introduce archiving objects.
- Decommission third-party content management:
  - Migrate records to SAP-certified content management application.

Results & ROI:

- Simplified overall network architecture application retirement.
- Reduced database size, resulting in cost reductions.
- Eradicated data issues with a selected number of applications.
- Centralized content management platform integrated with their primary database.
- Ownership of applications and overall system.
- Comprehensive data volume management plan implemented within 13-months.

Utilities

Success Story:

Improved SAP System Performance & TCO with Advanced Data Archiving

Pain Points:

- Accumulated large amounts of data leading to system performance issues.
- Increased costs from database size.
- Reporting/planning impediments.
- Needed to remove divested data without affecting live information.
- Required verifiable audit trail and validation proofs for archived data.

Solution:

- Advanced archiving solution delivered on time and within budget
- Reduced database size and improved performance.
- Sustainable solution saves costs in human, technical, and infrastructure expenses.
- Automation and elimination of unnecessary steps.

Results:

- Sustainable framework incorporating data archiving, migration, and relocation.
- Identify and prioritize objects based on database growth & performance statistics.
- Advanced data archiving solution and estimated ROI and payback period.
- The tailored and transparent approach instilled confidence in the company's decision-makers.

Utilities

Success Story:

Managing Explosion of Data Post-Implementation

Challenges and Pain Points:

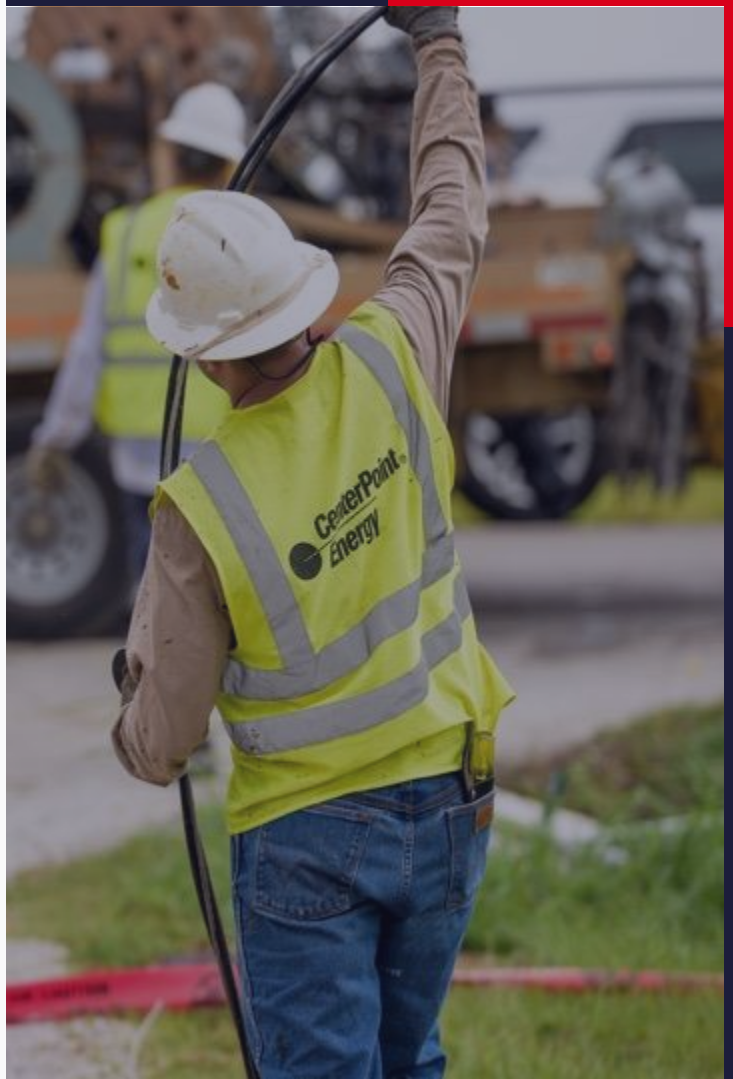
- Company needs real-time data on customer consumption and buying behaviors such as how, when, and why customers engage and purchase.
- Over 21M transaction reads per day
- 837% increase in data volume
- Now a 5-petabyte company

Opportunity:

- Company has gone through recent acquisition to expand its portfolio to emerging technologies
- Company has increased the size of its operating footprint from 6 states to 40
- Future acquisitions/market compression is driving speed to market requirements

Results & ROI:

- Reduced data volume by a factor of 9.
- Average annual savings appx $4.2 Millions.
- Reduced storage footprint.
- Increased speed of access to more accurate data from hours to seconds.
- Converted all accounting activities from manual to automated.
- 10% improvement in customer satisfaction. Faster resolution of issues and improved overall customer experience.



SaskPower

Utilities

Success Story:

Database Transformation With Data Archiving For Reduction of 40%

Pain Points:

- Uncontrolled SAP databases size & growth
- No SAP Data strategy in place
- Not retention compliant in SAP & had legal risk
- OpenText underutilized for data management

Benefits:

- Completed Transformation within 7 Months
- 40% Database Reduction - through archiving in SAP ECC and CRM
- Positioned for Legal and Regulatory compliance
- Deployed OpenText Solution for DVM storage

ROI:

- Cost savings related to moving SAP data off SAN storage
- HANA Readiness: Database controlled in time for HANA
- Extended life of infrastructure through controlled DB growth
- Readiness for retention management/Risk avoidance

Auto Manufacturing

Success Story:

Advanced Data Archiving Shunk Database from 5TB to 800GB

Pain Points:

- Rising hardware and Cloud hosting/backup costs to retain rarely accessed data
- Required solution that would keep employee access unchanged
- Sought to reduce financial burden from operations and compliance
- Strained storage capacity

Solution:

- SAP ILM for privacy and retention management
- SAP Document Access by OpenText for data and content storage
- Development of phase approach for quick wins and limit business disruption

Results & ROI:

- Enterprise data on SAP HANA shrunk from 5TB to 800GB
- Received project payback within 10 months
- Reduced risks associated with operational compliance
- Secured the achieve content storage easily accessible
- Significantly lowered costs for hardware and hosting
- Enables real-time, custom-query reporting
- Decreased migration time to new cloud

Customer Goods

Success Story:

Enhance Database Performance with Archiving & Retention Compliance

Pain Points:

- Uncontrolled ECC database growth
- Needed assistance to prepare database for migration to S/4HANA
- Global retention policies compliance – GDPR compliance risks

Solution:

- Implement a comprehensive data archiving strategy, starting with database assessment for object recommendations.
- Automated archiving scheduling for growth control.
- Launch a retention policy in accordance with privacy regulations, including GDPR.
- Implementation of Document Access (Extended ECM) for improved performance.

Results & ROI:

- Initial database reduction and controlled growth
- Better database performance – Reduction in database search and access times
- Improved application performance
- Reduction in backup times/ Increased system availability
- Extended the life of hardware investment to run ECC
- Reduced S/4HANA implementation risk and costs
- Foundation for GDPR and retention compliance to reduce future legal risks & fines

Thank you.

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CSO

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