

DMAG Data Archiving for SAP Landscapes

A process-chain-based approach to archive business data, preserve document integrity, and keep archived content accessible through standard SAP workflows.

Executive summary

DMAG (Data Management and Archiving Genius) is an in-house archiving solution designed to move archive-ready business objects from SAP S/4 HANA to secure archive storage.

Its core differentiator is process-chain archiving: related operational and financial documents are archived together so business context is preserved instead of being fragmented across isolated objects.

The solution is positioned for multi-cloud and offline archive targets while allowing end users to continue working with archived information through standard SAP reports and transactions.

What DMAG delivers

- Process-chain archiving for scenarios such as Quote-to-Cash and Source-to-Pay
- Retention of dependent objects and corresponding financial documents
- Flexible execution by document number ranges
- Direct access to archived data from standard SAP transactions and reports

Process-chain integrity

Archive whole business flows instead of isolated records.

Multi-cloud targets

Archive to AWS, Microsoft, GCP, Oracle Cloud, and more.

Standard SAP access

Read archived content from SAP standard reports and T-codes.

On-demand retrieval

Retrieve archived information quickly when users need it.

Positioning: DMAG is intended for organizations that need a governed archive strategy without breaking day-to-day user access to historical SAP data.

1. Why enterprise archiving needs more than simple storage

As SAP environments grow, organizations need a way to remove historical data from the operational core without losing business context, auditability, or user access. Archiving that treats each object independently can leave related records scattered across systems and make retrieval difficult.

DMAG addresses this by archiving complete process chains and dependent objects together, while pushing the resulting archive package to an external target such as AWS, Microsoft, Google Cloud Platform, Oracle Cloud, or offline server storage.

2. Conceptual solution architecture

DMAG™ – Data Archiving Solution Architecture

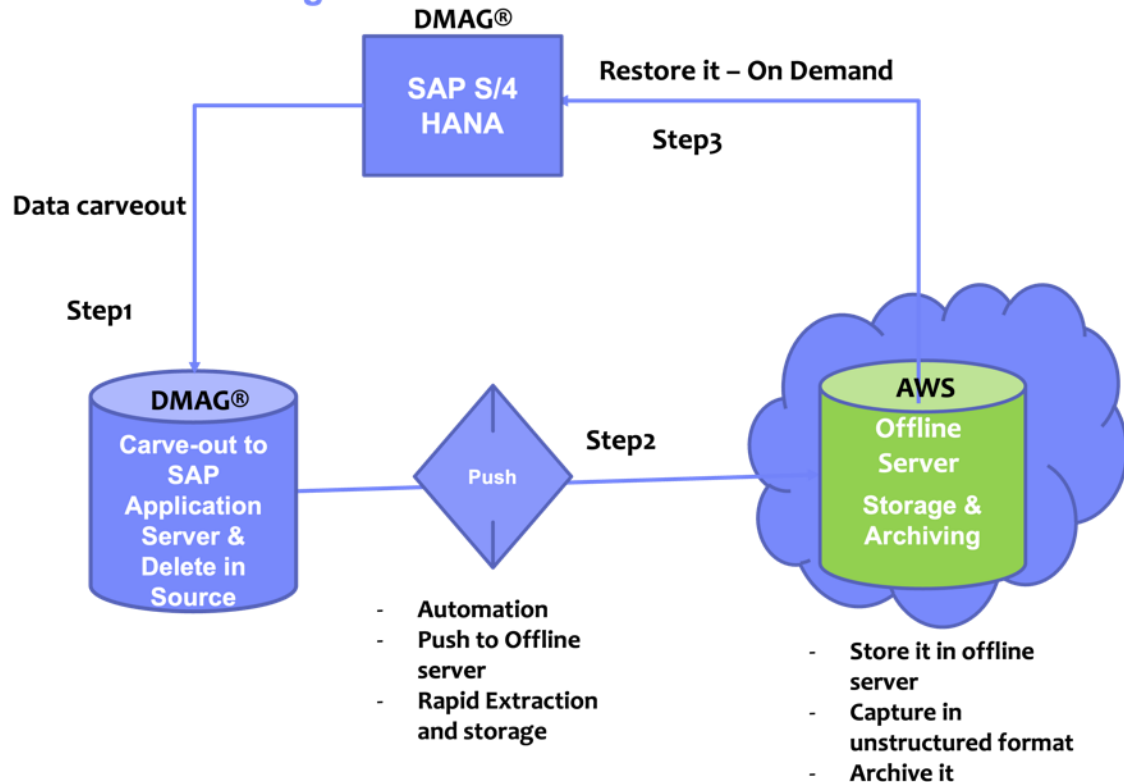


Figure 1. Source architecture concept showing SAP S/4 HANA, the DMAG archiving layer, and external archive storage.

How the flow works

- DMAG carves out archive-ready objects from SAP S/4 HANA.
- It packages related records and pushes them to the target archive repository.
- The source documents can be deleted from the operational system after the archive package is created.
- Archived information remains accessible to users through standard SAP reporting and transaction patterns.

Design intent

- Move historical data out of the operational core.
- Preserve data integrity across dependent business objects.
- Avoid re-creating archived documents back in SAP S/4 HANA for normal reporting needs.
- Provide a practical target model for governed long-term retention.

3. Process-chain-based archiving

The strongest message in the source material is that DMAG archives by process chain rather than by disconnected individual objects. This helps preserve end-to-end business integrity for major operational flows such as Quote-to-Cash and Source-to-Pay.

Process chain	Typical business objects	DMAG treatment	Business value
Quote-to-Cash	Sales order, delivery, billing, related financial documents	Archives dependent and corresponding documents together as one business chain	Reduces fragmentation and preserves end-to-end sales history
Source-to-Pay	Purchasing and payables records across the procurement chain	Builds process-chain archive variants and keeps dependencies intact	Preserves procurement context and improves traceability

Archiving principles highlighted in the source document

- All dependent and corresponding financial documents can be archived within the same process chain.
- There are no stated restrictions on open documents.
- Archiving runs can be executed flexibly by document number ranges.
- Variants can be created for archiving programs by process chain.

4. Accessing archived content through SAP

A practical advantage of the DMAG approach is that standard SAP reports can work directly against archive storage. The source also notes that users can open archived documents from standard SAP transactions, based on SARA configuration, including examples such as MB51, ME23N, and VA03.

Operational implication

- No need to re-create archived documents inside SAP for normal lookup scenarios.
- End users continue to use familiar transactions and reports.

Governance implication

- Archive storage can become the system of retention for historical records.
- Business access is preserved without keeping all historical data in the operational core.

5. Core capabilities

<p>Cloud compatibility Supports archive strategies spanning AWS, Microsoft, Google Cloud Platform, Oracle Cloud, and other environments.</p>	<p>Security-first posture The source positions DMAG with encryption, access controls, and continuous monitoring to protect archived data.</p>
<p>Effortless management A user-friendly approach is intended to reduce manual effort and simplify archive operations.</p>	<p>Tailored solutions DMAG can be adapted to business-specific workflows, integrations, and reporting requirements.</p>
<p>On-demand retrieval Archived information can be retrieved quickly so historical data remains useful instead of becoming inaccessible.</p>	<p>Flexible archiving scope Archive runs can be aligned to process chains or document number ranges depending on operational need.</p>

6. Business outcomes

Outcome	Expected impact
Smaller operational footprint	Moves historical content out of SAP S/4 HANA while keeping it available through archive access.
Improved integrity	Keeps dependent objects and corresponding financial documents together instead of splitting them across disconnected archive runs.
Lower manual effort	Reduces the need to reassemble business context when users, auditors, or support teams need old records.
Better usability	Lets end users continue working with standard SAP reports and transactions against archived content.

Closing perspective

DMAG is positioned as a governed data archiving solution for enterprises that want to reduce operational data volume without sacrificing business continuity. Its strongest differentiator is the way it archives by process chain and keeps archived content reachable through familiar SAP usage patterns.

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