

# Why your SAP HANA investment needs Oxygen

Improve your TCO on the SAP HANA platform investment by regularly moving data to cost-effective storage, based on insights created by Oxygen

You use SAP HANA as a database, powering your Business Warehouse or native SQL data warehouse. Multiple projects and agile developments serving many business stakeholders have been delivered over time and your data footprint has been growing accordingly. You have heard about alternative HANA-based storage solutions that can hold less frequently used datasets at a lower cost - without impacting value to the business. But how would you go about it? Where to start? What to move? Does that sound familiar? Companies who have already embarked on this mission will confirm it is a time-consuming task. They will also confirm it is not easily repeated.

**“Regularly relocating data delivers ROI at full value.”**

Yet the value is apparent: reducing the footprint and allocating data to a lower cost solution leads to reduced overall spend. In addition, room is made for growth and the onboarding of future projects, leading to more business value. This best practice leads to an ROI at full value and has direct impact on TCO. Today, that value remains untapped.

Enter Oxygen. At ONE-Labs we developed this solution to support and ease this cost-saving task - time and again. Oxygen creates visibility in your complex SAP HANA dataset, breaking it down by business area or asset and by its age. For example, in the ‘Retail’ business area, 20% or 200 Gigabytes is 2019 data, 25% or 250Gb is 2018 transacted data and so on. Figure 1 illustrates this visibility.

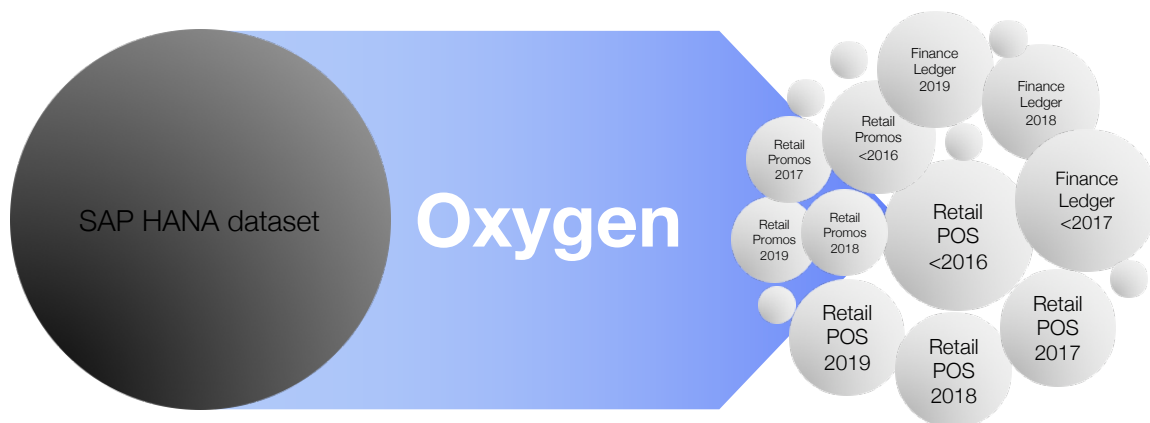


Figure 1 Automatic visibility of the SAP HANA data by size, business area and age

This visibility is provided on both an aggregated level (total system or by business area) as well as detailed table level. Oxygen does not only provide insight into sizes, it also shows other important elements, whether the data is used for reporting or staging for example. All of this is done automatically.

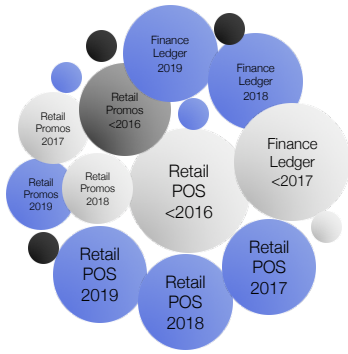


Figure 2 Data Tiering Result

\$\$\$ **Hot: Frequent use in reporting\*/ staging**  
 \$\$ **Warm: Infrequent reporting/ staging**  
 \$ **Cold: Do not delete yet**  
**Delete: Not used at all**

**“HANA Data Tiering solutions have matured and form an essential component in securing healthy platform growth.”**

- Marc De Maeseneer, Partner - ONE-Consultants

With the obtained data content size and age per business area, Oxygen immediately proposes the overall and detailed size of this warm/cold potential. An initial cost saving can be easily calculated at this point. Using business feedback and architect input - on the non-reportable data – the effective data tiering outcome will look like Figure 2 above. Next to making well-founded data relocation decisions, Oxygen can be used to validate the execution of a governed data aging process i.e. has the data been relocated according to company rules.

Repeating the exercise with Oxygen will ensure this healthy state. An insight in the data map is available at all times. Figure 3 illustrates a healthy managed SAP HANA environment with room for new and existing growing datasets at a lower overall cost.

From a pure technical perspective, Oxygen is an SAP UI5 application running on SAP HANA and needs no additional software or licensing.

The actual relocation of data to cheaper warm solutions like HANA Extension Nodes, Natural Storage Extensions, Dynamic Tiering etc., will require correct partitioning, table distribution setup amongst other activities.

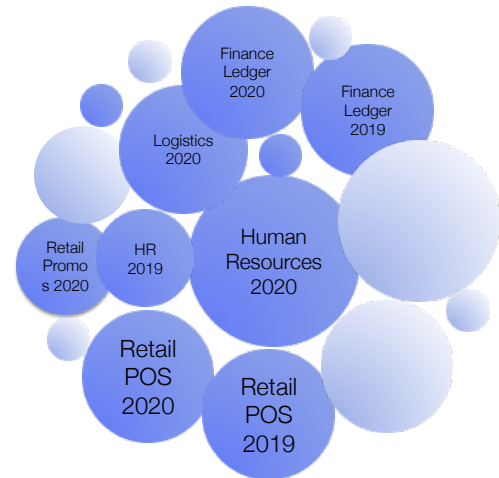


Figure 3 Healthy cost-balanced SAP HANA

**“ONE-Consultants boasts wide and deep SAP HANA Data Management Expertise with major global customers since 2012”**

- Djorgo Gubbels, Managing Partner - ONE-Consultants

The expert team at ONE-Labs and ONE-Consultants<sup>1</sup> provide a Full-Service Approach to optimize your SAP HANA platform and its overall data management, using Oxygen as a kick-starting catalyst. We help you gain on your investment and sustain the effort, as illustrated in Figure 4 below.

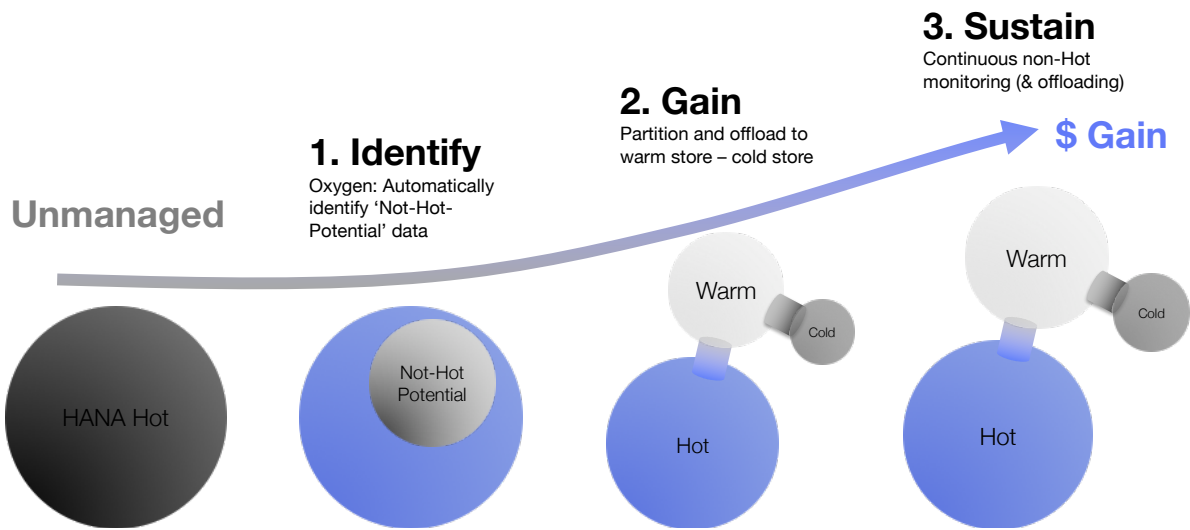


Figure 4 Full-Service Approach utilizing Oxygen and the ONE-Labs deep expertise

For a demo and additional information on Oxygen and the Oxygen service offering options, please contact [matt@one-consultants.com](mailto:matt@one-consultants.com). To participate in one of the upcoming seminars this fall, that will demo, explain and illustrate Oxygen in more detail, please enroll at [www.one-labs.com](http://www.one-labs.com).

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<sup>1</sup> ONE-Labs produces solutions for the SAP HANA platform using the ideas, expertise and experience of partner consulting company ONE-Consultants. ONE-Consultants was founded in 2008 and provides SAP HANA related services (strategy, modeling, data sourcing, performance advisory, security, system administration etc.) at major global customers.