


On a Quest for SAP Data

QUANTO-GO/DS: Streaming SAP Data

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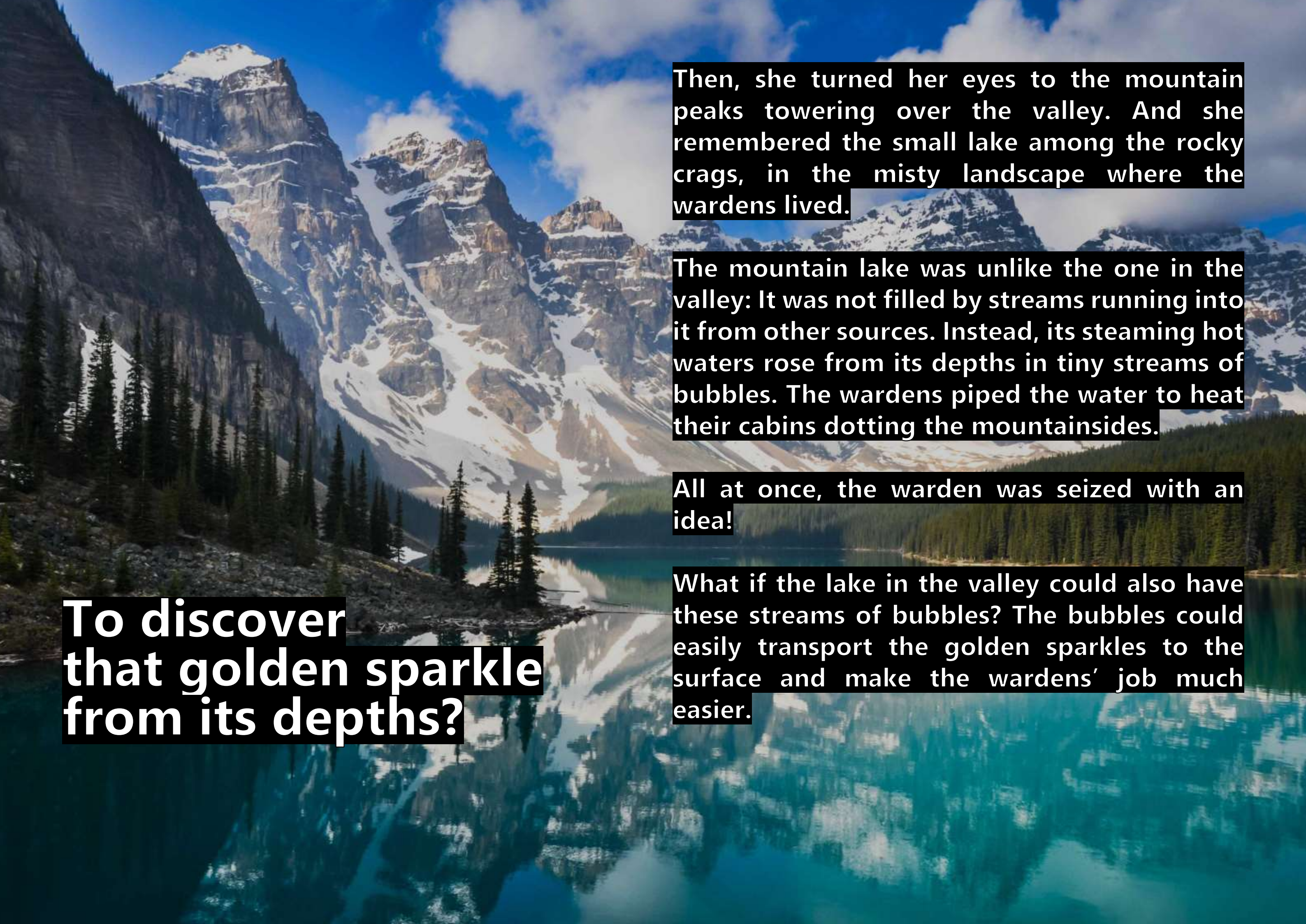
QUANTO
SOLUTIONS



Once upon a time, there was a land of shimmering lakes. Each lake and its tributaries were closely guarded by groups of wardens. The wardens walked along the shores, scanning the lakes to find sparkles of gold. Each warden was responsible for monitoring the essential streams that filled the lakes, should they convey even the smallest nugget.

One day, the warden of one such lake gazed at the calm surface of the cold lake in the valley and wondered if there was a better way of fishing the elusive gold out of the big lake.

**Are you seeking
a way to enrich
your data lake?**




Then, she turned her eyes to the mountain peaks towering over the valley. And she remembered the small lake among the rocky crags, in the misty landscape where the wardens lived.

The mountain lake was unlike the one in the valley: It was not filled by streams running into it from other sources. Instead, its steaming hot waters rose from its depths in tiny streams of bubbles. The wardens piped the water to heat their cabins dotting the mountainsides.

All at once, the warden was seized with an idea!

**To discover
that golden sparkle
from its depths?**

What if the lake in the valley could also have these streams of bubbles? The bubbles could easily transport the golden sparkles to the surface and make the wardens' job much easier.

A lush green forest scene with many tall, slender trees. Sunlight filters through the canopy, creating a warm, golden glow. The ground is covered in dense green undergrowth. A large tree trunk is prominent in the foreground on the left.

Her mind raced with ideas of how it could be achieved. How might the precise conditions of the mountain lake be brought down to the lake in the valley?

But finding the right solution wasn't going to be so simple.

**Imagine harnessing
complex patterns
in your data.**

Identifying and accurately transporting complex SAP data takes a lot of thought.

Enriching your data lake

We use our eyes to distinguish between colors, and our ears to filter sound near and far. In our data-driven world, data enrichment transforms data, allowing for reinterpretation, new meaning.

We at QUANTO Solutions are full of ideas on how to enrich data lakes and give our customers the tools to hand to identify patterns within the data.

While each stream of data filling the lake has its place, we've found that the key to finding the patterns is in your SAP systems.

A typical organization stores its financial and logistics data, plus its materials, orders, bookings, and customer information on SAP R/3 or S/4 systems. It is this data that enriches your other sources, creating a bigger pool that contains the results of complex data processed by the transactions in your SAP systems.

Copying tables is at best just the beginning.


ERROR

All – even complex – data

To identify patterns within the data – to pick out the gold – several different types of information must be gathered from SAP systems. It begins with tables, the basis of all SAP data, including material, customer, and supplier master data. Another important dataset comprises transactional items like invoices and billable items. However, QUANTO-GO/DS also leverages a third stream of SAP information: the results and summaries of transactions. This data is based on ambitious, and frequently, complex business logic in your systems. Business logic is what makes this data so complex – and what defines what you seek in your data analysis.

QUANTO-GO/DS applies your existing business logic when filling your data lake. The solution takes into account all the organizational separations in your systems, including SAP clients, company codes, and cost centers. By aligning the transfer of SAP data into your lake with your master data, transactional data, and the associated process results and summaries from your live operations and processes, patterns are allowed to take shape.

For example, to truly improve your processes, an analyst must work with the same data as is in use by your colleagues every day. Streaming the data for the analyses will bring you closer to identifying the data you are seeking in your lake and assessing improvements to your business in line with your day-to-day reality. While cloning all this business logic across systems is one approach, it is, simply put, difficult to clone thousands of lines of code. In the end, this requires so much more data from your source systems and may impact their performance.



Periodic, event-driven, standardized APIs

It's up to you.

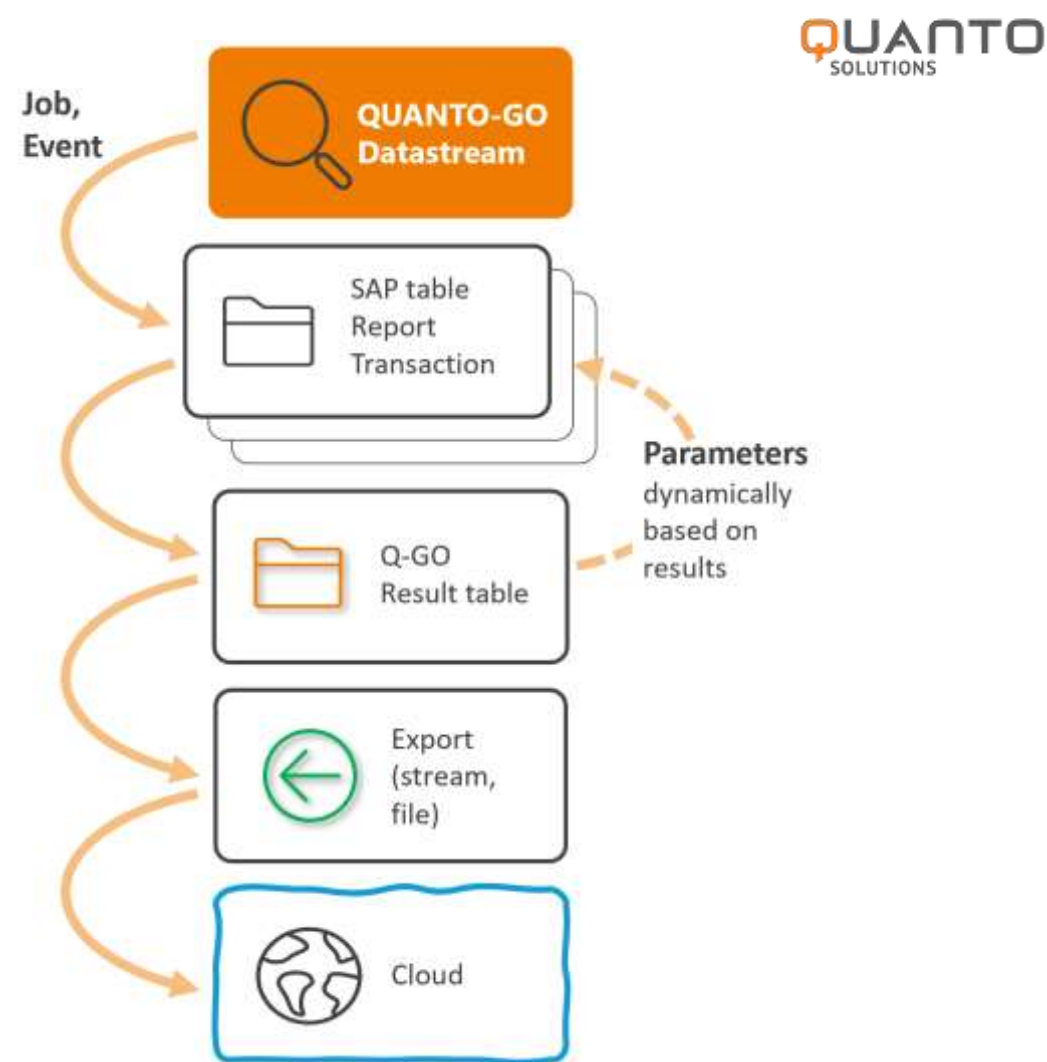
QUANTO-GO/DS is capable of transferring master data, transactional data, and process results in a robust and performant manner. And it works just as well for near real-time event-driven transfers as with periodical ones.

QUANTO-GO/DS leverages the existing transactions and processes in your SAP systems to extract the results, start new transactions, transform results, and export to your API. Different formats, such as JSON and XML, are supported.

Data security is paramount. This is why our mapping includes all of your policies to protect and separate information, thus protecting any sensitive information. The transfer is handled in such a way that you can then continue to use the data in accordance with your policies.

QUANTO-GO/DS is 100%-compatible with Amazon S3 REST-API and other REST-based APIs (this is customizable). So, if you need connections to AZURE Blob Storage, MIN.IO, KAFKA, NIFI, to name a few, we've got it.

Architecture



How QUANTO-GO/DS works

QUANTO-GO/DS gives you options. It can start with input parameters and identify the data from there, or trigger SAP transactions and processes, and collect the results. These results are transformed and packaged into exports, which may trigger second and third waves of transactions. Each wave dynamically leverages the previous export for its new input parameters, allowing multilayer transactions and processes to transfer correctly.

The data export is completely automated: It can be triggered by an event or scheduled as a periodic job.

Get it going

QUANTO-GO/DS works on all ABAP-based SAP systems, including R/3, S/4, and Ariba. It is imported into SAP as a normal transport job and is therefore native. From there, it connects directly to your targets, allowing us to meet your requirements for a fast, reliable, and flexible solution.

QUANTO-GO/DS is ready to go.

Who we are

QUANTO Solutions is a partner-owned and managed German start-up founded in 2015. We are an SAP partner supporting organizations in transforming their IT and businesses into customer-focused digital enterprises. Our 45 consultants – and the QUANTO-GO Suite – are backed up by over 20 years of experience in digitization and the SAP universe. Together with our joint partners, some 600 consultants serve our clients. Our services range from consulting and implementation to developing solutions for SAP systems.



We are good partners. And could be yours.

- **Vision:** There is nothing between our customers and us. No bureaucracy, no complicated processes. We are fast, efficient, and our work is best in class.
- **Expertise:** We love and have a deep understanding of what we do. Our work draws deeply on our shared SAP expertise. Our experience stacks up.
- **Near you:** We are available for our clients, whenever and wherever we are needed.
- **Long term:** We invest in our partnerships with partners, customers, and universities. We are in it for the long term in all our projects, consulting, and services.
- **Trust:** We stand behind our commitments and our work. We are a privately owned company you can trust.
- **Capable:** Our team pools its strengths to serve our customers and partners.

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What we do

Integration, transformation, data migration and data streaming, UI and security – these are our core competencies. As an SAP service partner and special expertise partner, we specialize in working with companies using SAP products, with SAP directly for SAP customers and with other solutions that SAP customers use to drive their digitization.

Who is on our resumé



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We handle some projects and implementations in collaboration with partners, like CGI on the Nova Scotia project.



The future is what we make IT