

PAG€

The cloud-based Access Gateway for the Eurosystem Single Market Infrastructure Services

By far the simplest and most cost-effective way for banks to access Target Services

A one-stop-shop approach that embeds the certified connectivity service of an accredited NSP

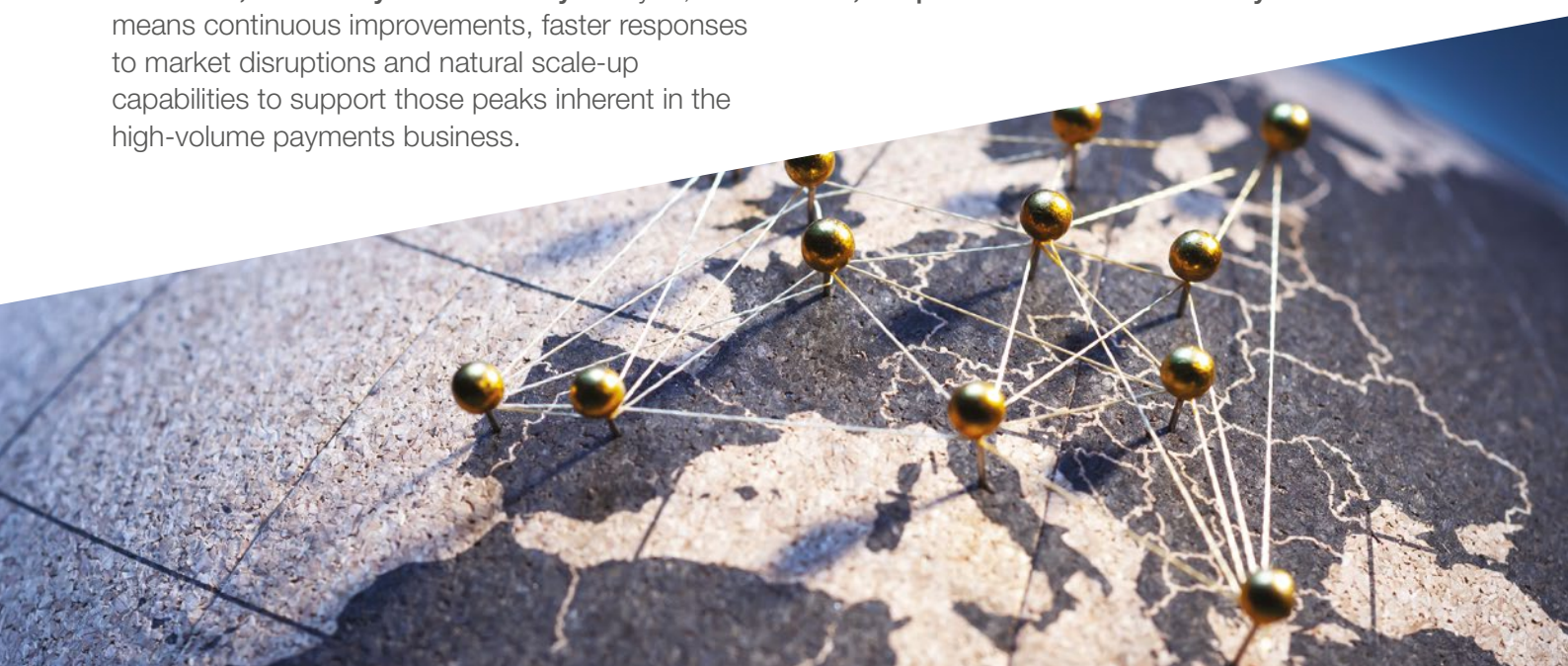
The big-bang migration to the new consolidated Eurosystem RTGS platform for payments and securities transactions and the **mandatory adoption of the ISO-20022 standard** are compliance requirements that force banks to rethink their payments infrastructure.

The big decision they need to make is whether to continue building upon in-house on-premise legacy applications or to opt for a more agile, cloud-based solution, unlocking numerous advantages.

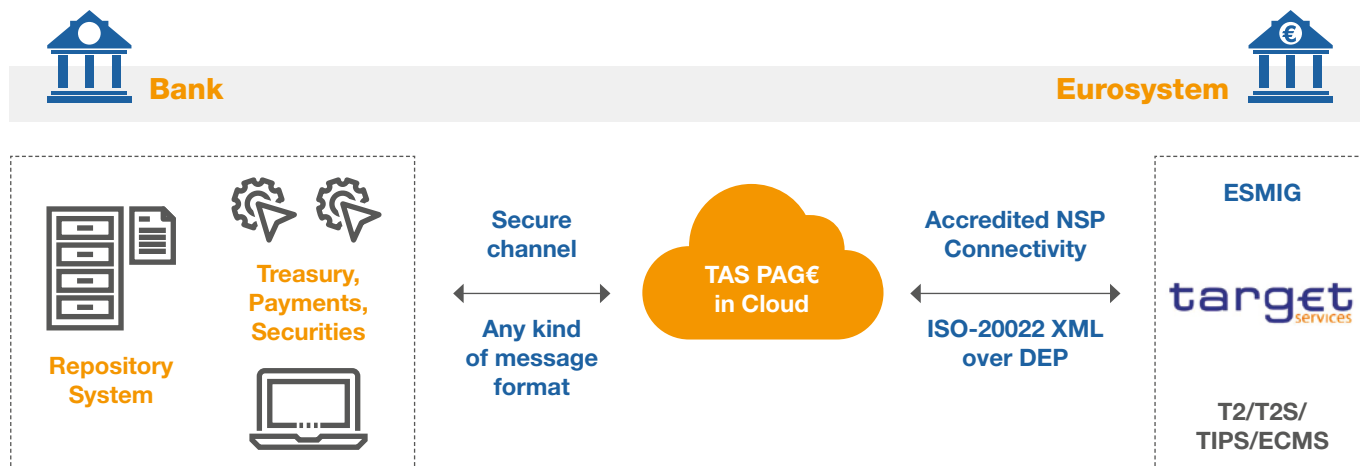
At TAS Group we believe that **the Cloud is a real accelerator in payments modernization** with cloud-based solutions capable of delivering **resilience, scalability and flexibility**. For you, this means continuous improvements, faster responses to market disruptions and natural scale-up capabilities to support those peaks inherent in the high-volume payments business.

With this vision, TAS Group has extended its solutions portfolio by creating **PAG€**, the **cloud-based Access Gateway to the new consolidated Eurosystem central infrastructure**, allowing **Target2 participants to easily comply with the new mandatory ESMIG interface**, enabling both the use of **U2A and A2A functionalities**.

Combining TAS leading-edge technology and **over 35 years of payments experience** in mission-critical market infrastructures, **Amazon Web Services (AWS)** secure cloud and **accredited NSP connectivity**, **PAG€** enables banks like yours to **meet the Consolidation 2021 deadline in a fast, simple and cost-effective way**.



PAG€ is **the first Cloud-native solution** able to guarantee the fastest way to securely connect to the European TARGET services with a **one-stop-shop approach that embeds the certified connectivity service** of an accredited NSP.



What is ESMIG

ESMIG stands for *Eurosystem Single Market Infrastructure Gateway*. It is a harmonised interface to access the upcoming TARGET Services.

ESMIG is key to “Vision 2020”, the Eurosystem’s strategic plan for the evolution of market infrastructures.

ESMIG will make it possible for market participants to use a single interface to connect to the three TARGET Services (TARGET2, T2S and TIPS) and the Eurosystem Collateral Management System (ECMS).

Why choose PAG€

PAG€ natively implements the new ESMIG interface via accredited NSP connectivity to access the Eurosystem Market Infrastructure Services, comprising the TARGET services (T2, TIPS and T2S), the Eurosystem Collateral Management System (ECMS) and other services to be provided in the areas of cash settlement, securities settlement and collateral management.

PAG€ offers both Application to Application (A2A) and User to Application (U2A) access to the Consolidated Eurosystem platform with a very simple onboarding process; we keep things easy for you.

PAG€ supports legacy bank applications by working with both ISO-15022 and ISO-20022 messages and by offering a set of predefined message conversion utilities to simplify the **FIN-XML-FIN** transcoding.

PAG€ provides a graphical user interface (GUI) to easily enter, upload and download financial messages such as pacs.008, pacs.009, pacs.010, camt.056, etc.

PAG€ is by far the simplest and most cost-effective solution to adopt for T2 participant banks that currently connect through the Internet to the Eurosystem platform (the **Internet connection will no longer be allowed when the Consolidated T2/T2S platform goes live in 2021**).

PAG€ allows users to monitor transactions and their liquidity via intuitive panels that make performing queries on the Eurosystem platform simple. Users can display selected transactions or account balances with just a single click.

Benefits of the cloud-native PAG€ solution

Cost-effectiveness: Outsourcing software applications and connectivity can reduce costs covering compliance, infrastructure and operations by up to 40%, **saving you money**.

Scalability: adopting a strategic approach to scalability is key to profitability. A cloud-based solution allows a quick response to rising volumes offering all the flexibility you need to manage those peaks. Our cloud-based PAG€ solution is able to distribute resources dynamically and efficiently **ensuring ultimate cost-effectiveness**.

Business continuity: when it comes to handling high-volume payments, the need for business continuity is critical. Our cloud-based **PAG€** solution guarantees high availability with 24/7 monitored business continuity and disaster recovery plans in place **for complete peace of mind**.

Global support: operating a full processing service 24/7 is an intrinsic part of delivering real-time payments. That's why taking advantage of the always-on nature of the Cloud, and the scalability of our managed-services that run on a distributed secure infrastructure on the bank's behalf, makes sense. **Service levels can be adapted over time to meet changing business requirements without any technical impact.**



TAS Group relies on Amazon Web Services for PAG€

Amazon Web Services (AWS) is a secure cloud services platform, offering practically unlimited computing power and functionalities at a minimum cost to help businesses scale and grow. Having dedicated Data Centers located in Europe, AWS is being widely used by major European banks.

TAS Group **continually tests and verifies AWS features to guarantee a secure** environment for its customers. Its infrastructure is designed to keep data safe, no matter what the size, and helps ensure that privacy is always protected as it is stored in AWS EU data centres.

Accredited NSPs

SIA-COLT and SWIFT are the only two NSPs that have been awarded licenses to offer connectivity services to all Eurosystem market infrastructures via the European Single Market

Infrastructure Gateway (ESMIG). The two NSPs, selected via a public tender process, have had to go through vigorous compliance checks required by the Eurosystem.

Services and Specifications

Functionalities

Distinctive components of the solution:

- Transparent A2A integration on bank side and ESMIG side
- Translation/adaptation of message formats from ISO-15022 to ISO-20022 and vice-versa
- Repository for storing files, messages and related events in a proven safe area

Complete user interface

Enhanced data entry to create and send TARGET messages:

- Customer Credit Transfer (pacs.008)
- Credit Transfer (pacs.009 [COV])
- Direct Debit (pacs.010)
- Payment Return (pacs.004)
- Payment Canc. Req. (camt.056)
- Res. Of Investigation (camt.029)
- Any other specific message

Advanced treasury functions

Optional A2A APIs allowing to perform essential Treasury functions on accounts (MCA&DCA):

- Get Account (camt.003)
- Return Account (camt.004)
- Bank To Cust. Stmt (camt.053)
- Get Transaction (camt.005)
- Return Account (camt.006)
- Modify Transaction (camt.007)
- Receipt (camt.025)
- Reservations and limits (camt.04x, camt.01x, etc.)

To help you prepare for the changes to the Eurosystem and futureproof your liquidity and collateral management, TAS Group also offers its state-of-the-art suite **Aquarius** which is fully ISO 20022 compliant and T2/T2S Consolidation-ready.