



DIGITAL SIGNATURE AND ENCRYPTION FOR HIGH-SECURITY DATA EXCHANGE

Our customer is responsible for managing the **data exchange** between the Italian Ministry of Economy and Finance and over **8,000 public and private entities**. Dealing with sensitive documents such as tax declarations, they needed to ensure security and performance and to guarantee continuity of operations as well as a safe, trustworthy exchange of information.

By choosing Primeur Filesec on **IBM® z/OS®**, the company geared up with a **scalable solution for Digital Signature and Encryption**, able to support the growing demand for signature and cipher operations coming from an increasing number of heterogeneous partners.

THE CHALLENGE

Every day, the Italian **Ministry of Economy and Finance** exchanges an impressive amount of data related to electronic invoices, rental agreements and tax declarations with thousands of entities of both the Public Administration and the private sector. In this context, **security is a primary concern**: data may be intercepted, modified in transit, counterfeited – not to mention the issues related to verifying and assuring the identity of the file originator or sender.

To address this security challenge, our client planned to implement a **digital signature and encryption** solution that was required to work on IBM Z – already in place as core IT infrastructure – as well as on different platforms used by the heterogeneous network of entities involved in the file exchange and verification process.

Moreover, the number of processed documents was expected to increase over time, driving the need for a scalable solution able to support growth without downsides in performance.

THE SOLUTION

After a thorough evaluation of the available options, the client decided to adopt Filesec, Primeur's comprehensive **multi-platform solution for Encryption and Digital Signature**. Filesec is specifically designed to fit in complex scenarios where multiple actors with heterogeneous systems need to exchange large quantities of files with strong security requirements.

By being multi-platform, the solution runs both on IBM® z/OS® and on other environments. This feature, along with a **Data Integration approach**, allowed the company to **capitalize on their existing IT investments**, fully leveraging the IBM Z unique capabilities in terms of security, resilience and scalable performance. With this approach, the company's applications were left completely independent, providing maximum flexibility and the ability to introduce any future evolutions in the IT landscape without major disruptions.

RESULTS

Today, the client processes about **50,000 files per day**, ensuring that all electronic invoices and other tax declaration documents of all Italian citizens are managed and exchanged between the Italian Ministry of Economy and Finance and over **8,000 public entities**, with the **highest security** standards.

With Filesec on **IBM® z/OS®**, the company has drastically **improved its performance of signature and encryption operations** while leveraging their own architecture, capitalizing on previous IT investments thanks to a smart Data Integration approach.



**MULTI-PLATFORM
SOLUTION**



**50k FILES PROCESSED
PER DAY**



**8k ENTITIES
INVOLVED**



ABOUT THE CUSTOMER

Our client is an IT company working with the Italian Ministry of Economy and Finance.

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We are Primeur, a smart Data Integration company who's been serving the world's largest organizations for over 35 years.

We support our customers' business processes, helping them simplify their data management while preserving their investments through a pure data integration approach.

Our mission is to make Data Integration simple, accessible and sustainable over time, reducing the complexity of companies' information systems and enabling them to evolve and scale.

