Intelligent Capture & AccuRoute at GPS

In 2020 as part of ongoing digitalization activities, GPS implemented FileBound, a locally installed document management and automated workflow software to manage and automate invoice processes. GPS evaluated Intelligent Capture, a web-based a document capture SaaS (software as a service) application, as an input tool for FileBound.

Intelligent Capture is easy to use and fulfilled most requirements including Optical Character Recognition (OCR), Customizable Workflows, Indexing and Basic & Advanced Search, Automatic Notifications and Alerts, Visualizations and Reports, Power BI integration, SAP integration, GDPR Compliance, and more.

To ensure Saipem security policy compliance, GPS, with support from the Security by Design team, analyzed Intelligent Capture. The analysis determined that Intelligent Capture fulfilled all the requirements except one, DNSSEC (Domain Name System Security Extensions).

DNSSEC is a requirement for internet facing applications such as Intelligent Capture. DNSSEC is needed to "use signatures to authenticate DNS records, preventing MITM [man in the middle] attacks in communication."

After discussions with the Vendor Upland, an alternative application was found, AccuRoute.
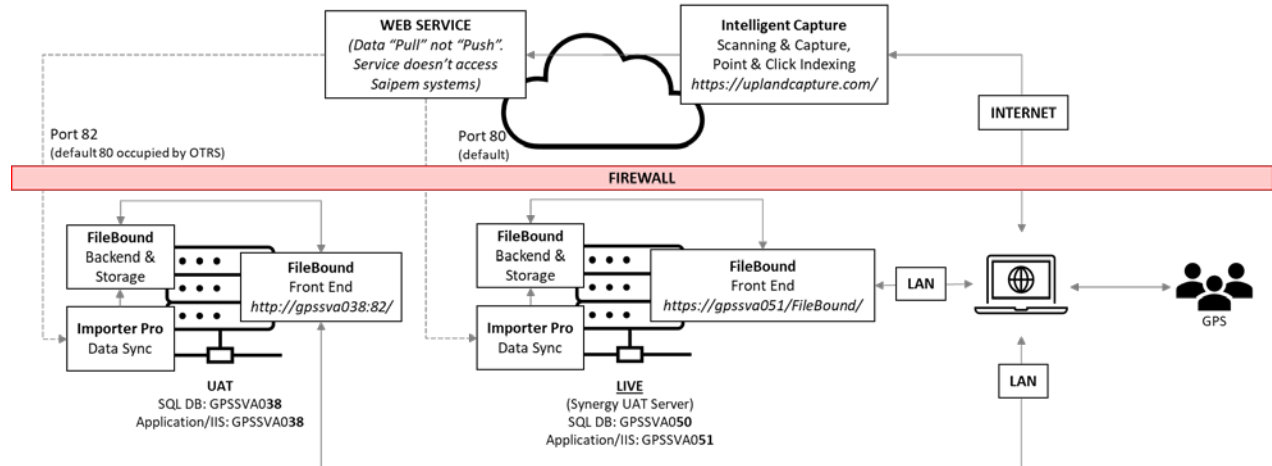
AccuRoute is not a SaaS application, but rather, is installed locally and is not exposed to the internet. AccuRoute is installed on Saipem virtual servers eliminating all risks that come from internet exposure. Therefore, the DNSSEC requirement is no longer applicable.

After evaluating the software, GPS determined AccuRoute minimizes security risks, fulfills all functional requirements, and is less expensive than Intelligent Capture in the long run. AccuRoute is scalable, has more features than Intelligent Capture, and has no data transfer with external systems.

An additional Security by Design Checklist is required even for internal applications. The Checklist for AccuRoute has been completed and will be submitted for review and final validation.

Infrastructure

Intelligent Capture & FileBound

AccuRoute & FileBound

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