

# Integrating Wax Digital web3 for SAP

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## Powerful SAP Integration from the Industry Leader

Chief procurement officers today face challenges in containing costs, demonstrating realised savings, complying with contracts, and attracting staff with the correct expertise to move the organisation forward. Wax Digital web3 leads the class with its eProcurement software suite, suitable for organisations of all sizes and geographies. Secure, robust, and easily accessible through the cloud, Wax Digital web3 delivers complete spend control across the Source to Pay lifecycle.

Wax Digital streamlines SAP integration with existing finance and other legacy systems through out-of-the-box adapters for common business systems. Unique in the eProcurement space, Wax Digital has developed web3 Connect, our proprietary enterprise service bus (ESB) that allows us to deliver a highly scalable, resilient and flexible platform for integration with any number and nature of back-office systems.

Wax Digital web3 for SAP offers three clear and simple options to deliver integration with your specific environment.

- **Wax Digital web3 P2P:** Automation, control and complete visibility of the purchasing lifecycle from requisition to matched invoice.
- **Wax Digital web3 eSourcing:** A toolset for the professional purchaser to drive best value through electronic tenders and auctions.
- **Wax Digital web3 S2P:** Seamlessly integrated P2P and Sourcing delivers complete control and maximum returns.

## Wax Digital web3Connect

Each organisation has a unique SAP installation and technical landscape, and finding an eProcurement solution that integrates with it can be a challenge. Wax Digital web3 answers that problem by delivering integration through the use of flexible options and web3Connect, our proprietary enterprise service bus (ESB).

An ESB provides middleware and interfaces that allow enterprises to connect their systems without writing code. However, the overhead for writing an ESB, creating the message structures, etc., is onerous for organisations whose core business is not systems integration.

Wax Digital designed web3Connect from the ground up as a flexible configurable business engine. The ESB ensures the integrity and security of data exchange between Wax Digital, its clients, and their trading partners.

### **Wax Digital web3 and Out-of-the-Box Interfaces**

Wax Digital web3 delivers out-of-the-box interfaces between web3 and SAP, including:

- » Account Codes
- » Currencies
- » Purchase Order Commitments
- » Accruals (Goods Receipting)
- » Purchase Invoices
- » Supplier Master File
- » Remittances

Some data points are often shared with SAP but are typically maintained manually in Wax Digital web3 rather than through integration, such as:

- » Employees/system users
- » Budgets
- » Approvals rules
- » Exchange rates
- » Tax codes

### **Middleware and Wax Digital web3Connect**

Most enterprises that utilize SAP also use other systems such as Stonebranch, Tibco, and Sonic to run their business processes. Wax Digital web3Connect acts as a hub that insulates the Wax Digital web3 for SAP product set from the rest of the environment. It also acts as a channel for

internal and external data, enabling the data to be transformed into different formats and transmitted in different ways.

## Wax Digital web3 Architecture

Wax Digital web3 is delivered exclusively on a hosted basis, accessed via a standard web browser. The general architecture is a classic three tier design that harnesses the latest Microsoft technologies.

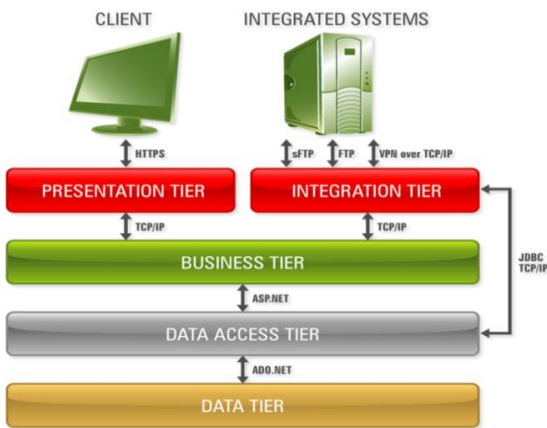


Figure 1: web3 Architecture

The middle tier is an application framework and a data access layer that exploits Microsoft's stored procedure data access framework. Clear separation around this layer is maintained and the application layer is protected from operating system or SQL updates through the life of the product.

### Presentation and Integration Tiers

The application layer serves the various user interfaces connected to the system. It consists of the Microsoft IIS web server and supports .NET, C# and ASP.net technologies. The ESB integrations tool can connect to any well-known enterprise application system and quickly adapt to new data interface routes.

## Wax Digital web3 for SAP

Your Wax Digital web3 for SAP implementation begins with a dedicated technical workshop. All aspects of how your system will interface with SAP are defined at this point. Wax Digital's ESB, web3 Connect,

handles interface mapping, manipulation and transformation to ensure that documents arrive and leave SAP in the way your organisation requires.

While some systems post directly to ledger, Wax Digital web3's SAP integration operates as a file-based data exchange. The ledger adjustments stay under the control of your organisation's finance department.

Wax Digital web3 also handles returns, receipts, accruals, adjustments, and more. A file is provided to SAP for consumption, the master data is synced and invalid codes are never posted. Your Wax Digital web3 solution is a slave to the WBS structure, from account codes to profit centres. Your finance team does not have to maintain two systems. You remain in control of your vendor ID and can capture data that is not relevant to SAP, while Wax Digital maintains the master file so your IT team does not have to. SAP remains the master of tax codes, exchange rates, etc., with all the data being synchronised so that your system is always up to date and securely backed up.

A common headache for a finance department is one-off suppliers. Each small purchase requires many details to be entered into the database. However, your Wax Digital web3 solution allows your suppliers to self-serve and then the solution synchronises the data.

## Wax Digital web3Connect for SAP Development Options

SAP is complex in high-volume environments that handle business-critical data and processes. Wax Digital web3Connect handles many elements of SAP integration, including:

### **ABAP**

ABAP is a proprietary language developed by SAP to handle reports, interfaces, conversions, extensions, forms, and workflows. ABAP is used to conduct performance and tuning of SAP work processes, configure the system's remote function calls, build user profiles and interface with the operating system and the Oracle database.

### **BAPI**

BAPIs are business application programming interfaces; they consist of methods for SAP business

objects that are stored in the Business Object Repository (BOR) and used for performing specific business tasks. RFCs and ABAP are used in the

### **IDOC**

An IDOC is an intermediate document, which is a SAP document format for business transaction data transfers. IDOCs consist of the definition of a data structure and its related processing logic. They are used by external systems as an interface for data transfer. They can conduct electronic data exchange (EDI), connect the SAP system to other systems, and perform Application Link Enabling (ALE).

### **RFC**

Remote function calls (RFCs) enable communication between a SAP system and other systems. They provide a way for programs written in languages such as ASP, PHP, Java, C, and C++ to use data from and insert data into SAP.

### **SAP Netweaver**

SAP Netweaver facilitates the exchange of data between a internal and external systems. It is used to customize and integrate SAP with other systems. Built primarily with ABAP, it can be extended with .NET and other frameworks.

### **SAP PI**

SAP PI is a process integration module that provides a single point of integration for all systems that SAP touches within an enterprise. This middleware uses Java and XML to enable seamless end to end integration between SAP and non-SAP applications inside and outside the enterprise environment.

## **Case Studies**

Whilst the best-run businesses run SAP, the best-run procurement functions run Wax Digital web3 for SAP. As the eProcurement vendor rated #1 in the UK and in the top 5 worldwide by Gartner, we can be relied upon to rapidly deliver integration with any legacy or third-party supplier system. Wax Digital serves over 240,000 users in companies such as:

### **Dixons Retail**

Dixons Retail is Europe's largest specialist electrical retailer and services company. The business operates over 1,200 stores in 13 countries, employing over 38,000 people.

Dixons selected Wax Digital web3 ahead of the Ariba alternative, thanks to its highly intuitive user interface and transparent cost of ownership.

- » Control and compliance across all goods not for resale spend
- » Initially integrated with Lawson, subsequently to SAP after Dixons migrated ERP systems
- » Integrated with third party print bureau service and third party invoice matching tool

## **Elior**

Elior is a market-leading catering and hospitality group with brands including Avenance, Eliance Restaurants and Digby Trout. It is one of the leading UK and European contract catering companies, operating across many different markets through specialist sector teams with over 12,000 employees on 650 client sites.

Wax Digital web3 is utilised to provide a purchasing and site management solution that provides financial control and visibility across a highly distributed business.

- » 3,000 user P2P plus site management system
- » Delivers control and compliant purchasing in a highly distributed environment
- » Mission critical system to record all site transactions and takings
- » Initially integrated with Great Plains, subsequently with SAP after Elior migrated ERP systems

## **Nissan**

One of the world's largest car manufacturers, Nissan, has engaged Wax Digital to deliver web3 P2P across its European operations, including factories in Spain, Russia and the UK, as well as business units throughout the rest of Europe.

- » Purchase-to-pay control for all non-production spend for Nissan AMIE
- » 3,000 users across more than a dozen countries
- » Processing 600,000 invoices annually, digitally signed and archived
- » Handling €3bn of spend annually
- » Integrated with SAP ECC 6.0

## **Universal Music**

Universal Music is the world's largest music company and UMGI is the division which manages its

businesses in more than 50 countries outside North America. Wax Digital web3 provides a unique project-based procurement solution.

- » 22,000 self-managed web portal suppliers
- » Supplier 'quote' self-service module
- » £1.5bn of spend under management annually
- » Integrated with SAP ECC 6.0 – 18 integration points

### **Antalis**

Xerox is Europe's leading distributor of paper, packaging solutions and visual communication products for professionals. Underlining the flexibility of the core solution set, Wax Digital web3 delivers a transaction gateway for Antalis to exchange electronic documents with customers across Europe.

- » Automate electronic exchange of orders, invoices and other documents with customers
- » Deployed across 23 European countries
- » Integrated with SAP ECC 6.0

### **Monitise**

Monitise plc is a world leader in Mobile Money - banking, paying and buying with a mobile device. Leading banks, payments companies, retailers, mobile networks and media owners use Monitise's technology platforms and services to securely connect people with their money in developed and emerging markets.

- » Integrated with SAP B1

## **Conclusion**

Wax Digital streamlines SAP integration in complex high-volume environments through the use of our proprietary ESB, web3 Connect. The ESB enables quick deployment of a system that seamlessly blends with your SAP installation. Our Integration Services team can work with you to plan the best approach to integrating your SAP installation with Wax Digital web3, the class-leading eProcurement solution