

The **Ponton X Suite** is a Java-based **B2B integration infrastructure** supporting major communication standards such as **ebXML, AS1, AS2 and AS3** providing secure peer-to-peer integration over the Internet (**P2P over IP**). This technology supersedes well-known standards from the past such as EDIFACT and replaces expensive proprietary network technology (VAN) with **cost-effective yet equally secure and reliable IP-based communication**. The result is a significant reduction in total cost of the B2B infrastructure for all companies involved. More than 150 companies worldwide including many global players have been using the Ponton X Technology successfully for several years.

#### **Ponton X/P**

##### **The B2B data exchange infrastructure**

As the core element of the Ponton X Technology, **Ponton X/P** delivers the data transfer technology that, above all, provides extensive **security** and **reliability** but also offers functionality to ensure completely **transparent communication** with all business partners. Automating tasks such as archiving or notification increase productivity even further.

#### **Ponton X/D**

##### **The XML/database adapter**

Another component of the Ponton X Technology is **Ponton X/D**. It provides the universal connector and mapping tool between Ponton X/P and different databases or ERP-systems. Due to Ponton X/D's flexibility and sophistication a direct **Application-To-Application integration** between companies can be accomplished.

### **The Ponton X Technology consists of 2 main components**



#### **Ponton X/P Features**

- Maximum security and reliability based on ebXML, AS1, AS2 or AS3 as the communication protocol
- Completely transparent communication with business partners based on detailed audit trails for the exchanged data
- Automatic archiving including signatures, acknowledgements etc.
- Encryption of documents based on RSA, 3DES, AES
- Validation of documents against XML schema
- Compression of documents to less than 10% of their original size
- Configurable notification service for any type of event
- Synchronous or asynchronous data transmission via HTTP, HTTPS or SMTP (optional S/MIME encoding)
- Support for document description standards such as XML, EDIFACT, ANSI X12, papiNet or EFETnet
- Content based message routing
- Use of the Ponton CA or other Certification Authorities such as VeriSign<sup>®</sup>, Thawte<sup>®</sup> or GlobalSign<sup>®</sup>
- Configuration and monitoring via Web interface
- Web Services support for Back-End integration
- Fast and easy installation and configuration including the integration of new business partners
- Can be clustered for performance or fail-over purposes
- Based on Java and works under Windows 2000, XP, Vista, 2003, AIX, Solaris, Linux, HP/UX

#### **Ponton X/D Features**

- Supports JDBC-enabled database-systems such as Oracle, IBM DB2, MS SQL Server, Informix, Sybase, MySQL and current back-end applications such as SAP R3, J.D. Edwards, Prism and many other proprietary ERP-applications
- Distribution of documents to multiple target databases or creation of outgoing documents from multiple databases in parallel
- Flexible mapping between databases, flat-file-formats and XML-files
- XML documents can trigger "Insert" or "Update" database mappings
- Supports mapping of Gigabyte size messages
- Supports XML namespaces
- Mapping rules can be drastically expanded by using the Jython scripting language which also allows access to Java, custom objects and any XML API
- Static, dynamic or calculated creation of XML content
- Validation support for mapping configuration
- Transactional database operations with rollback support and definition of fallback mappings
- Integration with Ponton X/P for data exchange
- "Standalone mode" to connect with XML hotfolder
- "Direct Connect" mode to couple 2 X/D modules for Database-to-Database mapping
- Based on Java and works under Windows 2000, XP, Vista, 2003, AIX, Solaris, Linux, HP/UX

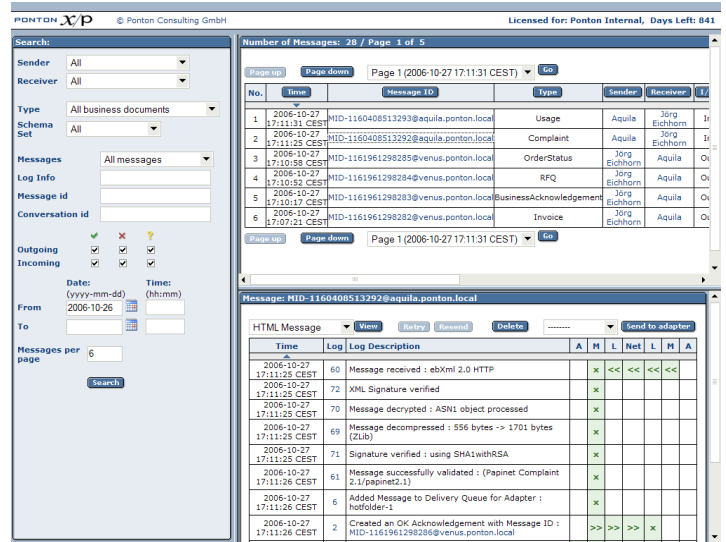
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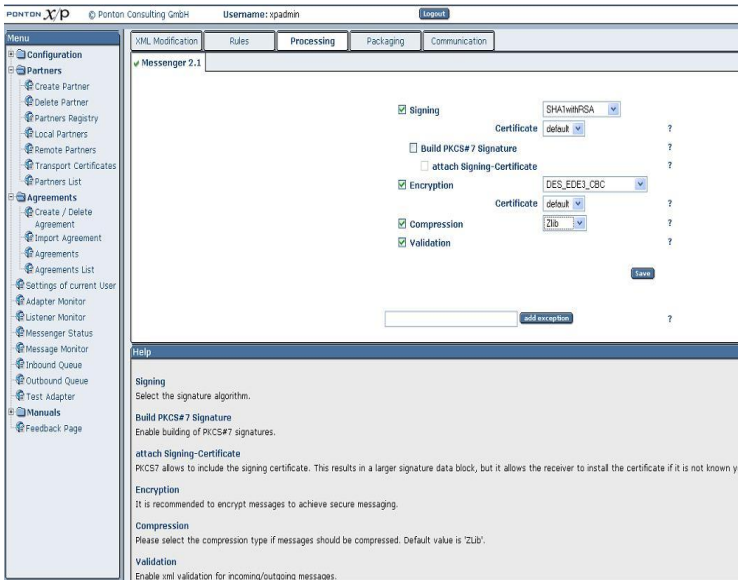
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## Benefits of using Ponton X Technology from a business perspective

- Productivity increase by automation of transactions such as orders, invoices, shipment notices etc. Based on customer feedback the increase can be as much as 70%
- Communication errors are almost entirely eliminated since all business rules are built into the transaction logic. Sophisticated cross-check mechanisms can be created to reduce human intervention to the absolute minimum
- Completely transparent data exchange with sophisticated logging and automatic archiving provides audit trails on all transactions making them traceable and therefore indisputable
- A flexible licensing model provides low total cost of ownership. Since there is no transaction related cost, neither an increase in data volume nor an increase in communication partners will have an effect on overall cost



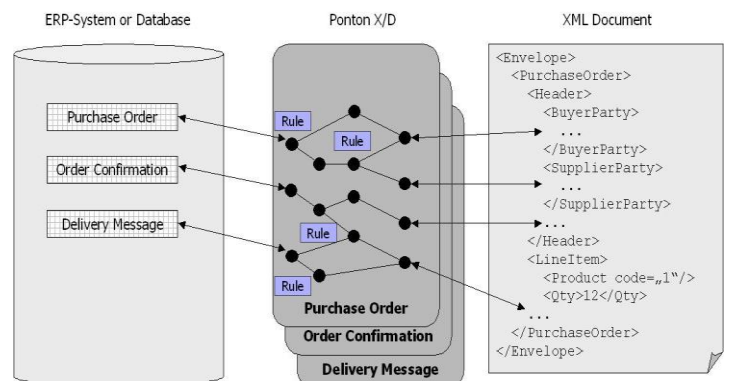
**Ponton X/P Message Monitor for reliable, secure and completely transparent communication with all business partners**



**Using electronic signatures, encryption, compression and validation of documents is as easy as checking a box**

## Benefits of using Ponton X/D

- The large variety of supported databases in combination with the ability to access different databases in parallel is ideal for complex, heterogeneous environments providing scalability and flexibility
- The transformation of database- or ERP-System content into XML can be static, dynamic or calculation-based. The possibility to use Jython-scripting ensures precise execution of business rules
- Rollback support and definition of fallback mappings provide security and ensure data integrity during the mapping process



**Ponton X/D schematic overview of data flow**

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# New features in Ponton X/P 3.0

## ▪ **Multiple certificates per Partner**

In Ponton X/P 3.0 a pool of certificates can be built up for each Partner. An expired certificate will be replaced automatically by a valid new one.

## ▪ **Loopback transfer**

Ponton X/P 3.0 allows the message exchange between two local Partners.

## ▪ **XML Modification filters**

Ponton X/P 3.0 can modify incoming as well as outgoing XML messages in regard to their encoding, line endings and envelope simplifying the integration with backend systems and the communication with Partners using an older X/P version or a different messaging system. It is now possible to use different xml encodings for different partners while still using just one encoding for your backend. Additionally it is possible to improve the human-readability by applying a "pretty-print" modification.

## ▪ **Processing Exceptions**

Different payload processing can be applied based on message type. This allows i.e. signing of specific messages, while other messages are not signed.

## ▪ **Content based outbound routing**

Rules can now be configured to use alternative destination URLs when sending out messages.

## ▪ **ebXML Message Status requests**

Ponton X/P 3.0 realizes optional ebXML 2.0 features like Message Status. This includes the possibility to check how the transmission of a message sent by your Ponton X/P proceeds, especially if the message has been received by your business partner's backend system.

## ▪ **ebXML Message Ordering**

This ebXML 2.0 feature allows to define an order in which a set of messages will be delivered from your business partner's messaging software to his backend systems.

## ▪ **X12 / EDIFACT recognition**

Ponton X/P 3.0 recognizes sender, receiver and message ID in documents configured according to the X12 or EDIFACT standard.

## ▪ **FTP based communication**

The Ponton X/P Listener can now accept incoming FTP transmissions. The Ponton X/P Messenger can also transmit outbound messages via FTP.

## ▪ **Integrated Application Updater**

Notifications about new application updates are shown on the status page and can be downloaded and installed via the web-interface.

## ▪ **AS3 / Plain message packaging**

Ponton X/P 3.0 now also supports the FTP based AS3 communication and a "plain" mode where business messages can be transmitted and received without any packaging to allow communication with partners that do not use a B2B messaging application.

## ▪ **Configuration import**

Ponton X/P 3.0 can import main parts of the configuration plus the database from a previous X/P Messenger installation of the versions 2.1 to 2.4, so that your new 3.0 installation is ready to send and receive messages right away.

## ▪ **SingleSignOn**

Ponton X/P 3.0 is available as SSO version for MS Windows 2003 Server and MS Windows 2000 Server Operating Systems. If you use Active Directories in your local network, you can integrate the access rights to the Ponton X/P GUI into your global user administration.

## **Enhancements**

### ▪ **Database reconnection**

Changes in the database configuration can now be adopted without restarting the X/P 3.0 Messenger.

### ▪ **Multiple addresses per protocol**

In Ponton X/P 3.0 several HTTP and HTTPS addresses for each Partner can be set up.

### ▪ **Improved Logging in Listener**

The retention time of log files in the Listener is now configurable. More details are logged for better problem investigation.

### ▪ **Better Listener Status Pages**

For improved monitoring all Status Pages now contain timestamps and request IP addresses.

## **Architectural Changes**

### ▪ **Built-in Server**

Ponton X/P 3.0 uses an integrated HTTP server instead of Apache Tomcat as in previous versions. You can easily set up multiple HTTP/S ports with access to selected components of the application via the GUI.

### ▪ **Transfer of bigger documents**

Maximal payload size of documents to be transferred has been increased from 150 MB to 1 GB.

### ▪ **GUI customized versions**

Features and options of Ponton X/P 3.0 that are not in use in your company can be masked out to facilitate the handling of the GUI.

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