



PONTON

WE ARE THE 2 IN B2B

Product Overview

PONTON *x/p*

About Ponton GmbH

- ❑ Ponton is on the B2B integration market for 15 years, we helped over 150 clients get integrated with their business partners
- ❑ Products:
 - Ponton X/P for secure and reliable document exchange
 - Ponton X/D „XML 2 Database Adapter“ for mapping between software applications and Ponton X/P for XML messaging
- ❑ User base: 280 installations in Europe and North America, in energy trading business for 11 years, several sector-specific user groups with 10 – over 100 members (papiNet, EFETet, EDA, PRISMA, ...)
- ❑ Transmission of REMIT report data using Ponton X/P for 450 market participants through more than 120 Ponton X/P instances
- ❑ Same software is used
 - by SMEs with << 100 transmission per day
 - and by high-load users at the same time (max. throughput is >> 300.000 messages per day)

How does Ponton work?

- ❑ Our principle is standardisation of any possible communication aspect, i.e., we help customers decide and agree on
 - standard document formats
 - standard business processes
 - standard communication protocols
- ❑ Full support out of one hand: CA, profile management, onboarding, helpdesk, software maintenance
- ❑ Optional backend integration and consulting services



Software Features

- ❑ Protocols:
 - Base: **HTTP(S)**, FTP(S), SMTP(S)
 - Messaging: AS1, AS2, AS3, ebMS2.0, **AS4**
- ❑ Build-in end-to-end security
 - PKCS#7 signature at application level, AES256 encryption, XML Signature, channel authentication and encryption at TLS level
 - Signed Acks with hash of original payload content
- ❑ Turnaround time: < 1 second with all processing features switched on plus Internet latency
- ❑ Throughput: > 5 messages per second in steady mode

Software Features

- ☐ JAVA based application
- ☐ Backend-Integration:
 - Webservice Interface
 - Filesystem Interface
 - HTTP Interface
 - JAVA API
- ☐ Firewall-friendly setup
- ☐ Web GUI for configuration and monitoring

Configuration Options for AS4

PONTON x/p © Ponton Consulting GmbH Messenger Name: eclipse Username: xpadmin Logout Licensed for: Ponton Test (license AS4), Days Left: 262

Menu

- Configuration
- Partners
- Agreements
 - Create / Delete Agreement
 - Import Agreement
 - Agreements
 - Agreements List
 - Settings of current User
 - Adapter Monitor
 - Listener Monitor
 - Messenger Status
 - Message Monitor
 - Inbound Queue
 - Outbound Queue
 - Test Adapter
- Manuals

Agreements

☒ Outbound (AS4Sender --> AS4Receiver) Partner 1 AS4Sender
☐ Inbound (AS4Sender <-- AS4Receiver) Partner 2 AS4Receiver
☐ Global


XML Modification Rules Processing **Packaging** Communication

AS1 AS2 AS3 **AS4** EbXml20 Plain

☐ Role (from) ?
☐ Role (to) ?
☐ Service http://docs.oasis-open.org/ebxml-msg/as4/200902/serv ?
☐ Service Type ?
☐ Action http://docs.oasis-open.org/ebxml-msg/as4/200902/actio ?
☐ AgreementRef ?
☐ AgreementRef Type ?
☒ Include Message-Properties ?
☒ Include Content Properties ?
☒ Sign Message rsa-sha512 ?
 Certificate default ?
☒ Key Info IssuerAndSerialNumber ?
☒ Encrypt Message aes256-gcm ?
 Certificate default ?
☒ Key Info IssuerAndSerialNumber ?
☒ Compress Content ?
☒ Expect Receipt rsa-sha512 ?

Save

Configuration Options for AS4

PONTON  © Ponton Consulting GmbH Messenger Name: eclipse Username: xpadmin Logout Licensed for: Ponton Test (license AS4), Days Left: 262

Menu

- Configuration
- Partners
- Agreements
 - Create / Delete Agreement
 - Import Agreement
 - Agreements
 - Agreements List
- Settings of current User
- Adapter Monitor
- Listener Monitor
- Messenger Status
- Message Monitor
- Inbound Queue
- Outbound Queue
- Test Adapter
- Manuals

Agreements

☐ Outbound (AS4Sender --> AS4Receiver) ☒ Inbound (AS4Sender <-- AS4Receiver) ☐ Global

Partner 1: AS4Sender
Partner 2: AS4Receiver

Packaging Processing Rules XML Modification Communication

AS1	AS2	AS3	AS4	EbXml20	Plain
			<input checked="" type="checkbox"/> Expect Signed Message		
			<input checked="" type="checkbox"/> Expect Encrypted Message		
			<input checked="" type="checkbox"/> Expect Compressed Content		
			<input checked="" type="checkbox"/> Send Receipt		
			Certificate		
			<input checked="" type="checkbox"/> Key Info		
			<input checked="" type="checkbox"/> Sync Reply		
			<input checked="" type="checkbox"/> Duplicate Elimination		

Save

Screenshot of Message Monitor

PONTON **x/p** © Ponton Consulting GmbH Messenger Name: eclipse Username: xpadmin Logout Licensed for: Ponton Test (license AS4), Days Left: 262

Search:

Lokaler Partner: All
Remote-Partner: All

Type: All business documents
Schema Set: All

Messages: All messages

Log Info:
Message id:
Conversation id:

Outgoing: ☒ ☒ ☒
Incoming: ☐ ☐ ☐

Date: (yyyy-mm-dd) 2015-10-11 Time: (hh:mm)
From: To:

Messages per page: 6

Number of Messages: 1 / Page 1 of 1

Delete Resend Page up Page down Page 1 (2015-10-12 14:04:28 CEST) Go

No.	Time	Message ID	Type	Sender	Receiver	I/O	Result	Test	Ack	Protocol
168	2015-10-12 14:04:28 CEST	MID-1444650267953@ponton.xp	SupplyRequest	AS4Sender	AS4Receiver2	Out	✓	P	✓	HTTP

Delete Resend Send to adapter Page up Page down Page 1 (2015-10-12 14:04:28 CEST)

Message: MID-1444650267953@ponton.xp

HTML Message View Retry Resend Delete Send to adapter

Time	Log	Log Description	A	M	L	Net	L	M	A
2015-10-12 14:04:28 CEST	68	Message received from adapter: TestAdapter	>>	x					
2015-10-12 14:04:28 CEST	61	Message successfully validated: (SupplyRequest 3.00/wp3.00)		x					
2015-10-12 14:04:28 CEST	62	Message successfully compressed: (AS4) 1965 bytes -> 731 bytes		x					
2015-10-12 14:04:28 CEST	73	XML Signature created: (AS4) using rsa-sha512, IssuerAndSerialNumber and certificate EMAILADDRESS=info@ponton.de, CN=AT111111, OU=IT, O=Ponton, C=DE; SN: 01:4D:24:34:E4:5F (1430831555679), Issuer: C=DE,L=Hamburg,O=Ponton Consulting GmbH,OU=Network Service,CN=Ponton Root CA,E=info@ponton-consulting.de		x					
2015-10-12 14:04:28 CEST	90	Message successfully encrypted using XML Encryption.: (AS4) using aes256-gcm, IssuerAndSerialNumber and certificate EMAILADDRESS=local2@ponton.de, CN=local2, OU=local2, O=local2, C=DE; SN: 01:4F:64:C4:2A:43 (1440504621635), Issuer: C=DE,L=Hamburg,O=Ponton Consulting GmbH,OU=Network Service,CN=Ponton Root CA,E=info@ponton-consulting.de		x					
2015-10-12 14:04:28 CEST	79	Message packaged: AS4		x					
2015-10-12 14:04:28 CEST	0	Try to send the message to: http://localhost:8080/pontonxp/SoapListener	>>	>>	>>	>>	x		
2015-10-12 14:04:28 CEST	74	Message delivered successfully: Waiting for Acknowledgement		x	<<	<<	<<		
2015-10-12 14:04:28 CEST	66	Acknowledgement received: Remote time: Mon Oct 12 14:04:28 CEST 2015		x	<<	<<	<<	<<	
2015-10-12	5	Acknowledgement information: Message was successfully received		x					

Commercial Conditions

- ❑ Single license fee:
 - 4.000 Euro per participant
 - Less in case of a group licenses arrangement
- ❑ Rollout fee:
 - Depending on group arrangement and individual requirements:
2.000 – 4.000 Euro
- ❑ Support & Maintenance fee: variance within user groups depends on various factors (throughput, # processes, complexity of set-up)
 - Starting at 4.000 Euro per year, depending on level of price differentiation within user group.

Contact for further Information

- ❑ Commercial: Michael Merz (MD Ponton)

Email: merz@ponton.de,

Phone: + 49 40 866 275 341

- ❑ Technical: Michael Häusler (Head of Development Ponton X/P)

Email: haeusler@ponton.de,

Phone: +49 40 866 275 345