



**TGH**

Making Integrations Simpler



# Configuration of Trading Partner with AS2 Communication method.

Author

Sharukh Khan Darvesh



## Contents:

1. Common Terminologies
2. Introduction
3. Types of Keys used in AS2
4. Requirements for AS2 implementation
5. Benefits of AS2 file transfer
6. Practical Implementation in Boomi
7. Monitoring Transaction
8. References

## Common Terminologies:

**EDI:-** EDI stands for Electronic Data Interchange. It is a standard electronic format that replaces paper-based documents such as Purchase orders and Invoices. In EDI transactions information moves directly from a computer application in one organization to a computer application in another organization.

**B2B:-** B2B stands for Business to Business refers to transactions and interactions that occur between two or more businesses or organizations.

**Vendor:-** Vendor refers to a Business or organization that supplies goods or services to another business.

**Partner:-** Partners are any organizations engaged in Electronic data exchange using EDI technology.

**Inbound:-** Inbound refers to flow of electronic documents and data from trading partner or vendor into our organization(My Company).

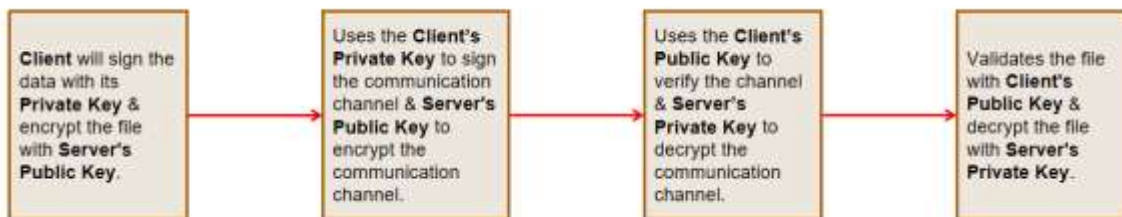
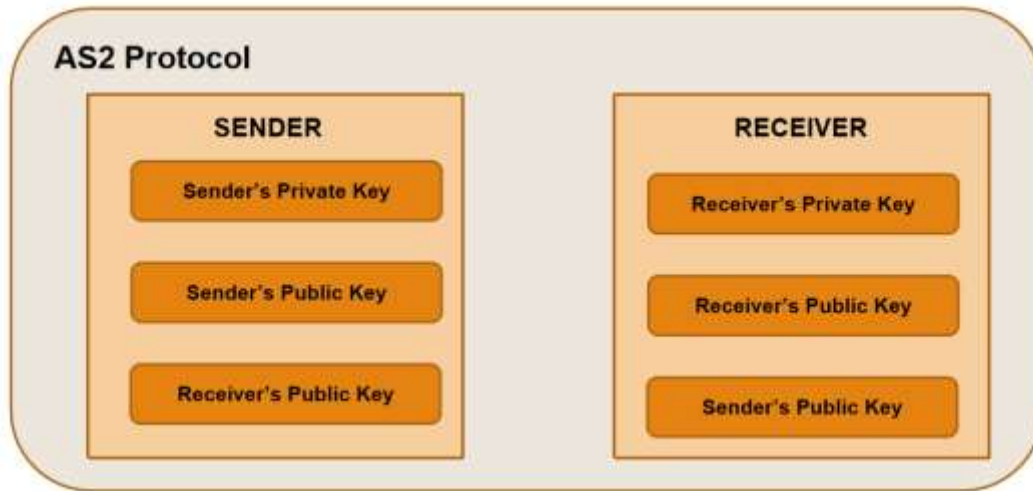
**Outbound:-** Outbound refers to flow of electronic documents and data from Our Organization(My Company) to Trading partner or Vendor.

**MDN:-** MDN(Message Disposition Notification) is an acknowledgement sent to the sender that the receiver got the data. The verifies that the message was received & successfully decrypted.

## Introduction:

- AS2 (Applicability Statement 2) is a popular protocol to transmit data securely and reliably over the internet.
- AS2 supports the encryption of messages that are exchanged with trading partners and vendors via HTTPS.
- These messages are built using the S/MIME format. Mainly, AS2 is used to exchange different data such as EDI, XML, or Custom documents between partners.

## Types of keys used in AS2:



## Requirements for AS2 implementation:

### Sender Need below info from the receiver:

- URL of the receiver's AS2 server.
- Public SSL server certificate used by receiver's AS2 server, if applicable (if the URL is HTTP, then no need for a certificate).
- Receiver's AS2 ID.
- Receiver's public AS2 certificate.
- Any specific algorithms for signing and encrypting and any specific MDN options.

## Receiver Need below info from Sender:

- URL of your AS2 server to send back the MDN.
- Public SSL server certificate of your AS2 server.
- Your AS2 ID.
- Your public AS2 certificate.

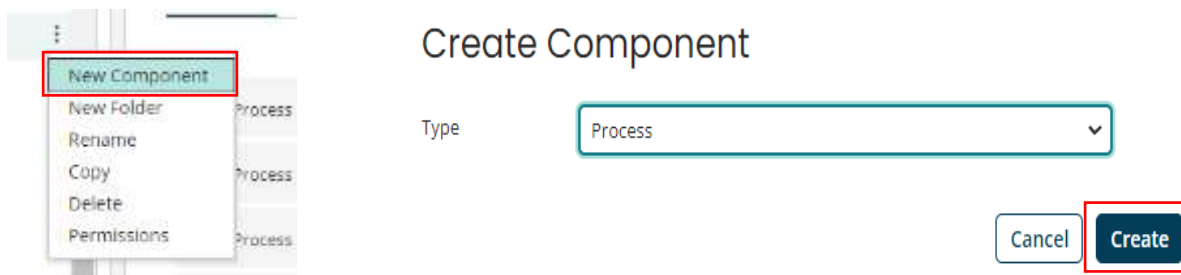
## Benefits of AS2 file transfer:

- Complete encryption for sensitive files.
- File integrity verification with successful transfer confirmation.
- Capable of transferring files of any volume or size.
- Support for synchronous or asynchronous MDN receipts.
- Using digital signatures to authenticate senders and recipients.

## Practical Implementation in Boomi:

Let us see how to implement AS2 communication method in Trading Partner.

**Step 01:** Create a new process component.




**Step 02:** As we know we can configure start shape in 4 ways i.e no-data, connector, data pass-through & trading partner. Here we are using start shape with Trading Partner. And disable capture run dates and enable allow simultaneous executions.

## Start Shape

The Start shape is the main shape that begins the process flow. It is automatically added to each new process and it cannot be removed.

Process Mode General

Type  Connector  Trading Partner  Data Passthrough  No Data

 For Processes starting with a Trading Partner, we recommend that you allow Simultaneous Executions  
Make the recommended change for me.

Display Name

Communication Method

FTP

**Step 03:** There are different communication method like Disk, FTP, HTTP, AS2, SFTP, OFTP2. Select AS2 and click OK.

Process Mode General

Type  Connector  Trading Partner  Data Passthrough  No Data

Display Name

Communication Method


AS2

AS2

Archiving

Disk

FTP

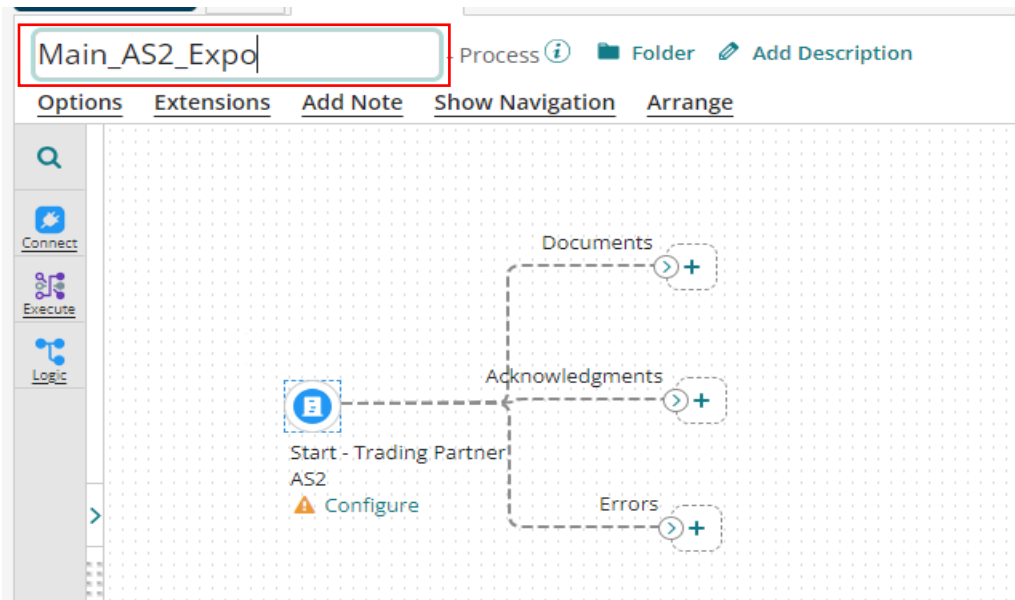
My Standards 

HTTP

OFTP2

SFTP

**Step 04:** Rename the Process name and save it.



**Note:**

**For Inbound transaction:** My Company will be the Receiver & Trading Partner will be the Sender.

**For Outbound transaction:** My Company will be the Sender & Trading Partner will be the Receiver.

**Sender-**ISA05, ISA06 & GS02.

**Receiver-**ISA07, ISA08 & GS03.

**This is the EDI document we are referring in this use-case(Inbound).**

ISA\*00\* 00\*  
\*12\*14147844480\*12\*PARTNERID\*180112\*1136\*U\*00401\*600000001\*0\*P\*>  
GS\*PO\*14147844480\*PARTNERID\*20180112\*1136\*600000001\*X\*004010VICS  
ST\*850\*999999999  
BEG\*00\*SA\*12345678\*\*20180322  
REF\*DP\*999  
REF\*ZZ\*BULK  
CSH\*P4  
SAC\*A\*E750\*\*\*3780\*3\*5\*\*\*\*\*02  
SAC\*N\*\*VI\*OHNS  
ITD\*02\*2\*3\*\*15\*\*15  
DTM\*037\*20180330  
DTM\*001\*20180408  
PO1\*\*40\*EA\*5\*\*UP\*11111111111\*VA\*55555\*CB\*9998877\*BO\*002\*IZ\*56789  
CTP\*RS\*RES\*14  
PID\*F\*08\*\*\*FASHION  
PID\*F\*75\*\*\*BLACK  
PID\*F\*91\*\*\*SMALL  
PO4\*5\*2\*EA  
SDQ\*EA\*92\*00810\*20\*00840\*20  
PO1\*\*50\*EA\*9\*\*UP\*11111122222\*VA\*55555\*CB\*9998877\*BO\*002\*IZ\*79431  
CTP\*RS\*RES\*14  
PID\*F\*08\*\*\*FASHION  
PID\*F\*75\*\*\*BLACK  
PID\*F\*91\*\*\*MEDIUM  
PO4\*5\*2\*EA  
SDQ\*EA\*92\*00810\*30\*00830\*20  
CTT\*2  
SE\*22\*999999999  
GE\*1\*600000001  
IEA\*1\*600000001

©[TGH Software Solutions Pvt. Ltd.](#)



**Step 05:** Now we will configure My Company. Create a new Trading Partner component select standard as X12 & Options as This is my company.

## Create Component

Type

Standard

Options

This is a partner that I trade with.

This is my company.

**Step 06:** Rename the Trading partner component and populate the ISA Identification Options by referring the EDI document.

```
ISA*00****14147844480**PARTNERID*180112*1136*U*00401*600000001*0*P*>
GS*PO*14147844480*PARTNERID*20180112*1136*600000001*X*004010VICS
ST*850*999999999
BEG*00*SA*12345678**20180322
REF*DP*999
```

My Company | 01 - Trading Partner Folder Add Description

[Overview](#) [X12 Standard](#) [Contact Info](#) [Communication](#) [Archiving](#) [Where Used](#)

### X12 Standard Configuration

Configure identification and other settings related to the X12 document standard this partner uses.

> ISA Identification Options

Authorization Information (ISA01,ISA02)

Qualifier

ID

Security Information (ISA03,ISA04)

Qualifier

ID

Interchange ID (ISA05/07,ISA06/08)

Qualifier




ID

**Step 07:** Populate the ISA Version/control Options by referring the EDI document.

```
ISA*00* *00* *12*14147844480*12*PARTNERID*180112*1136*U*00401*600000001*0*P*>
GS*PO*14147844480*PARTNERID*20180112*1136*600000001*X*004010VICS
ST*850*999999999
BEG*00*SA*12345678**20180322
REF*DP*999
```

ISA Identification Options

ISA Version / Control Options

Interchange Standard ID (ISA11)	<input type="text" value="U"/>	
Interchange Version (ISA12)	<input type="text" value="00401"/>	
Interchange Ack. Requested (ISA14)	<input type="checkbox"/>	
Test Indicator (ISA15)	<input type="text" value="P-Production"/>	
Component Separator (ISA16)	<input type="text" value="&gt;"/>	




**Step 08:** Populate the GS Version/control Options by referring the EDI document.

```
ISA*00* *00* *12*14147844480*12*PARTNERID*180112*1136*U*00401*600000001*0*P*>
GS*PO*14147844480*PARTNERID*20180112*1136*600000001*X*004010VICS
ST*850*999999999
BEG*00*SA*12345678**20180322
REF*DP*999
```

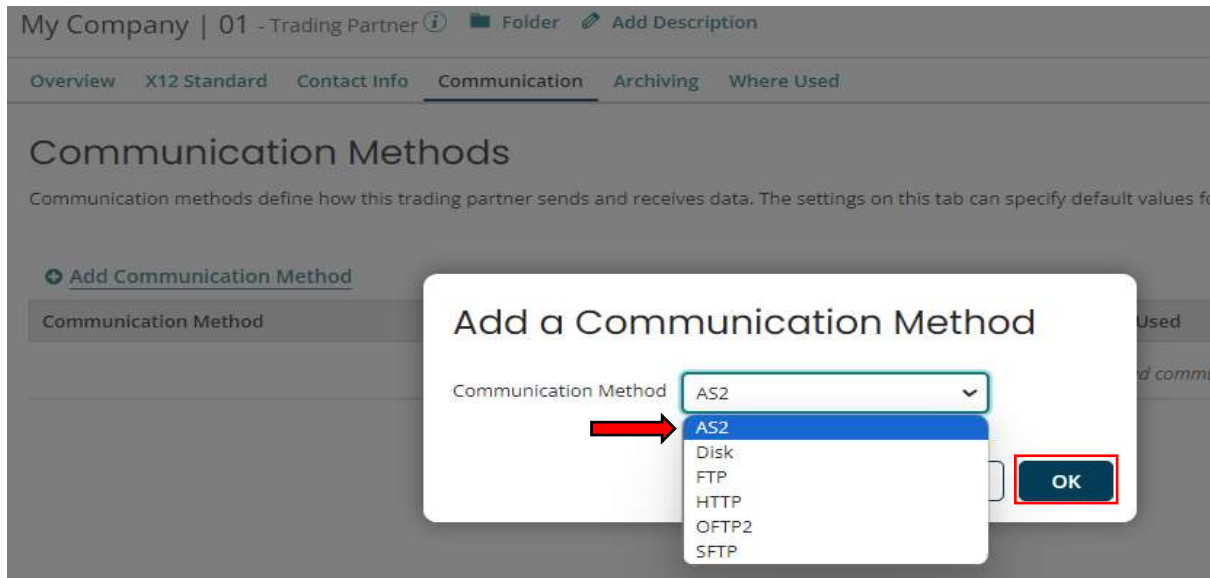
ISA Identification Options

ISA Version / Control Options

GS Version / Control Options

Application Code (GS02/03)	<input type="text" value="PARTNERID"/>	
Responsible Agency Code (GS07)	<input type="text" value="X-Accredited Standards Committee"/>	
GS Version (GS08)	<input type="text" value="004010VICS"/>	

**Step 09:** In the Communication tab, select AS2 as communication method & click ok.




**Step 10:** New tab will appear here we need to do AS2 configuration.

## Edit AS2 Configuration

Configure this partner's AS2 settings. These settings can be used as default settings for other partners that appear in the same start shape or trading partner shape that uses AS2.






### Identification Information

AS2 ID 	<input type="text" value="receiver-ID"/>
Encrypting Certificate 	<input type="text" value="Server_Private_Certificate"/>  
Signing Certificate 	<input type="text" value="Server_Private_Certificate"/>  
MDN Signing Certificate 	<input type="text" value="Server_Private_Certificate"/>  
Legacy S/MIME Support (RFC3851) 	<input type="checkbox"/>

### AS2 Server Settings

AS2 Settings will be managed by the Atom's shared web server.

### Default Partner Send Settings

URL	<input type="text"/>
SSL Certificate 	<input type="text" value="Choose..."/> 
Client SSL Certificate 	<input type="text" value="Choose..."/> 
Authentication Type	<input type="text" value="None"/> 

©TGH Software Solutions Pvt. Ltd.

No part of this document may be copied, reproduced, republished, uploaded, posted, publicly displayed, encoded, translated, transmitted or distributed in any way to any other computer, server, website or other medium for publication or distribution, without TGH's prior written consent



## Identification Information:

**AS2 ID:** AS2 ID will identify this partner in an AS2 Receiver.

**Encrypting Certificate:** Server's private certificate that is used for data decryption.









**Signing Certificate:** Server's private certificate that is used to sign data.

**MDN Signing Certificate:** Server's private certificate that is used to sign MDN.

**Legacy S/MIME Support (RFC3851):** By default Boomi encodes messages using the latest RFC5751 specification. Select this option to enable backwards compatibility for partner systems that use the legacy RFC3851 specification.

**Step 11:** We need to provide some client related information like AS2 ID that indicates sender & client public key to validate the data signed.

### Default Partner Identification Information

AS2 ID 	<input type="text" value="sender-ID"/>
Encrypting Certificate 	<input type="text" value="Choose..."/> 
Signing Certificate 	<input type="text" value="Client public Key Certificate"/>  
MDN Signing Certificate 	<input type="text" value="Choose..."/> 

**Step 12:** We need to provide Message option value.

**Content Type:** Set a Content Type that matches the data being sent.

**Sign message:** If selected, signed messages are sent to this trading partner.

**Encrypt Message:** If selected, messages sent to this trading partner are encrypted.

**Compress Message:** If selected, data sent to or received from your trading partner is compressed or zipped.

©[TGH Software Solutions Pvt. Ltd.](#)

**Request MDN:** If selected, you receive MDN (Message Disposition Notification) acknowledgments for messages sent to this trading partner. MDNs acknowledge successful delivery of a message and include any errors from the received message. MDNs are generated automatically for incoming AS2 data on the AS2 Server.

**Signed:** If selected, you request that this trading partner sign the MDNs that they return.

**Signature Secure Hash Algorithm:** Select the cryptographic hash function to use. (MD5, SHA-1, SHA-224, SHA-256, SHA-384, SHA-512).

**Sync/Async:** Sets the method your trading partner uses to send you MDNs. Typically, Synchronous is used so that MDNs are received from the trading partner during the same connection on which you sent data to the trading partner.

#### Message Options [i](#)

Subject <a href="#">i</a>	<input type="text"/>
Content Type <a href="#">i</a>	text/plain <a href="#">v</a>
Sign Message <a href="#">i</a>	<input checked="" type="checkbox"/>
Signature Secure Hash Algorithm <a href="#">i</a>	SHA-1 <a href="#">v</a>
Encrypt Message <a href="#">i</a>	<input type="checkbox"/>
Compress Message <a href="#">i</a>	<input type="checkbox"/>
Multiple Attachments (RFC6362) <a href="#">i</a>	<input type="checkbox"/>

#### Message Disposition Notification (MDN) Options [i](#)

Request MDN <a href="#">i</a>	<input checked="" type="checkbox"/>
Signed <a href="#">i</a>	<input checked="" type="checkbox"/>
Signature Secure Hash Algorithm <a href="#">i</a>	SHA-1 <a href="#">v</a>
Sync/Async <a href="#">i</a>	Synchronous <a href="#">v</a>

**Step 13:** Once this all fields are populated then save it.

**Step 14:** Now we will configure Trading Partner. Create a new Trading Partner component select standard as X12 & Options as This is a partner I trade with.

## Create Component

Type

Standard

Options  This is a partner that I trade with.  
 This is my company.

**Step 15:** Rename the Trading Partner and fill the Basic X12 options by referring the EDI document.

```
ISA*00* *00* *12*14147844480*12*PARTNERID*180112*1136*U*00401*600000001*0*P*>
GS*PO*14147844480*PARTNERID*20180112*1136*600000001*X*004010VICS
ST*850*999999999
BEG*00*SA*12345678**20180322
REF*DP*999
```


Trading Partner | 01 - Trading Partner ⓘ Folder Add Description

Overview X12 Standard Contact Info Communication Document Types Archiving Where Used

### X12 Standard Configuration ⓘ

Configure identification and other settings related to the X12 document standard this partner uses.

> Basic X12 Options

Functional Acknowledgment Options	<input type="text" value="Acknowledge Functional Groups"/>
Document Envelope Option	<input type="text" value="Group By Interchange"/>
Element Delimiter	<input type="text" value="Star Delimited"/> 
Segment Termination Character	<input type="text" value="New Line (No End Character)"/>
Filter Functional Acknowledgments ⓘ	<input type="checkbox"/>
Reject Duplicate ISA ⓘ	<input type="checkbox"/>
Validate Outbound Interchanges ⓘ	<input type="checkbox"/>
Outbound Validation Option ⓘ	<input type="text" value="Filter Errored Documents"/>

**Step 15:** Populate the ISA Identification Options by referring the EDI document.

```

ISA*00*00*00*12*14147844480*12*PARTNERID*180112*1136*U*00401*600000001*0*P*>
GS*PO*14147844480*PARTNERID*20180112*1136*600000001*X*004010VICS
ST*850*9999999999
BEG*00*SA*12345678**20180322
REF*DP*999
  
```

Trading Partner | 01 - Trading Partner ⓘ Folder Add Description

---



Overview X12 Standard Contact Info Communication Document Types Archiving Where Used

---



▼ Basic X12 Options

> ISA Identification Options



Authorization Information (ISA01,ISA02)

Qualifier	00-No Authorization Information Present	
ID		

Security Information (ISA03,ISA04)


Qualifier	00-No Security Information Present	
ID		

Interchange ID (ISA05/07,ISA06/08)

Qualifier	12-Phone Number	
ID	14147844480	

**Step 16:** Populate the ISA Version/control Options by referring the EDI document.

```
ISA*00* *00* *12*14147844480*12*PARTNERID*180112*1136*U*00401*600000001*0*P*>
GS*PO*14147844480*PARTNERID*20180112*1136*600000001*X*004010VICS
ST*850*9999999999
BEG*00*SA*12345678**20180322
REF*DP*999
```

Trading Partner | 01 - Trading Partner ⓘ  Folder  Add Description

Overview X12 Standard Contact Info Communication Document Types Archiving Where Used






## X12 Standard Configuration ⓘ

Configure identification and other settings related to the X12 document standard this partner uses.

▾ Basic X12 Options

▾ ISA Identification Options

▸ ISA Version / Control Options

Interchange Standard ID (ISA11)	<input type="text" value="U"/>	
Interchange Version (ISA12)	<input type="text" value="00401"/>	
Interchange Ack. Requested (ISA14)	<input type="checkbox"/>	
Test Indicator (ISA15)	<input type="text" value="P-Production"/>	
Component Separator (ISA16)	<input type="text" value="&gt;"/>	

▾ GS Version / Control Options



**Step 17:** Populate the GS Version/control Options by referring the EDI document.

```
ISA*00*  *00*  *12*14147844480*12*PARTNERID*180112*1136*U*00401*600000001*0*P*>
GS*PO*14147844480*PARTNERID*20180112*1136*600000001*X*00401OVICS
ST*850*9999999999
BEG*00*SA*12345678**20180322
REF*DP*999
```

Trading Partner | 01 - Trading Partner ⓘ Folder Add Description

Overview X12 Standard Contact Info Communication Document Types Archiving Where Used

## X12 Standard Configuration ⓘ

Configure identification and other settings related to the X12 document standard this partner uses.

Basic X12 Options

ISA Identification Options

ISA Version / Control Options

GS Version / Control Options

Application Code (GS02/03)

14147844480

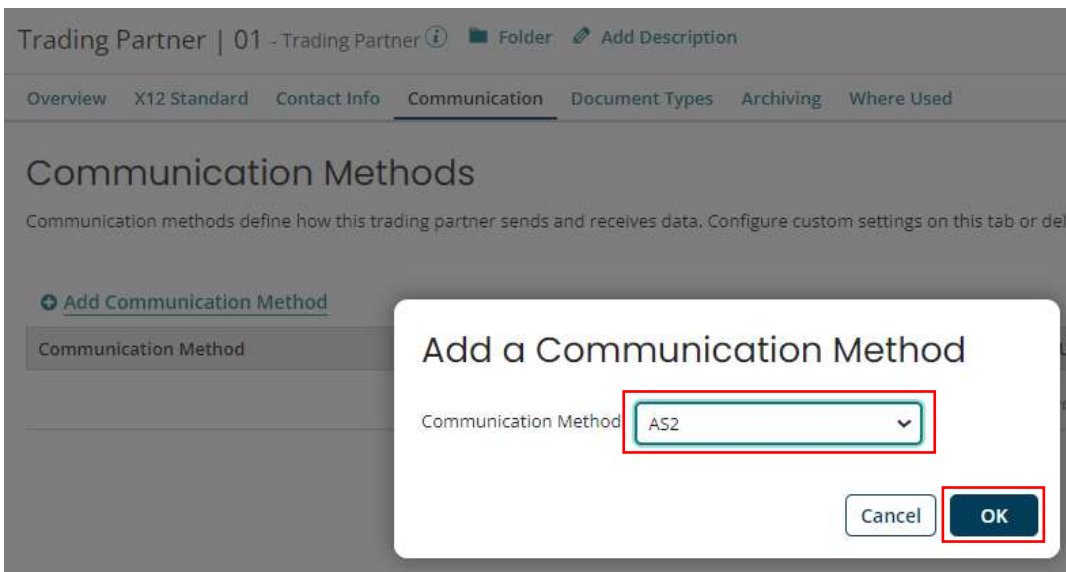
Responsible Agency Code (GS07)

X-Accredited Standards Committee

GS Version (GS08)

00401OVICS

**Step 18:** In the Communication tab, select AS2 as communication method & click ok.



Trading Partner | 01 - Trading Partner ⓘ Folder Add Description

Overview X12 Standard Contact Info Communication Document Types Archiving Where Used

### Communication Methods

Communication methods define how this trading partner sends and receives data. Configure custom settings on this tab or delete existing methods.

[Add Communication Method](#)

Communication Method

**Add a Communication Method**

Communication Method AS2

Cancel OK

**Step 19:** Let the communication settings be use all defaults.

## Edit AS2 Configuration

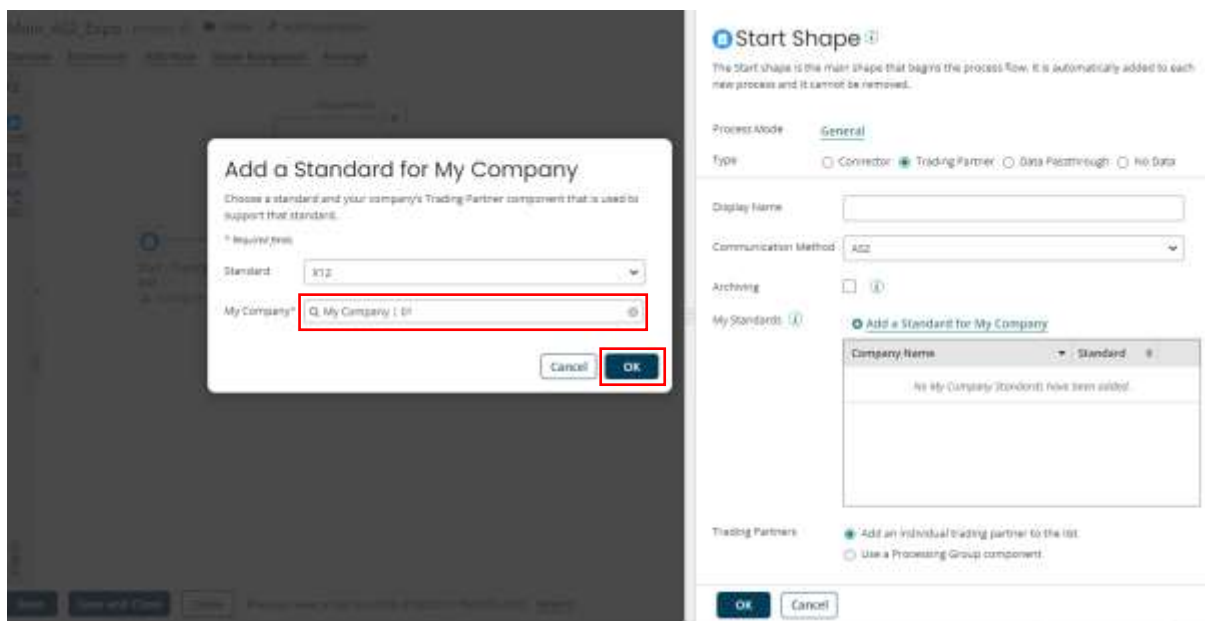
Configure this partner's AS2 settings. These settings will be used whenever this partner appears in a start shape or trading partner shape that is set to use AS2. You can also choose to use My Company default settings or a shared communication channel.

Communication Settings Use All Defaults

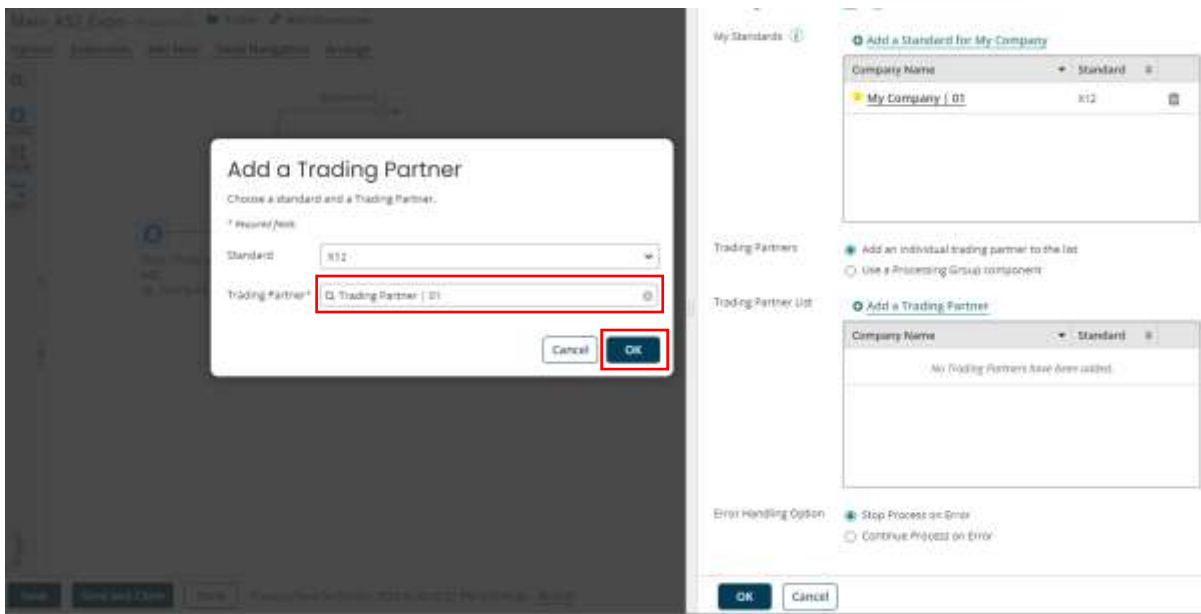
**i** This partner will use the settings configured in whichever My Company it is paired with on a start or trading partner shape.

**Step 20:** Close the communication settings & save the Trading Partner component.

**Step 21:** In the main process's start shape click on Add a standard for My Company & select the My company component and click OK.



**Step 22:** Click on Add a Trading Partner & select the Trading Partner and hit OK.



**Step 23:** Here we can see both the My Company & Trading Partner has been added click OK.

Communication Method

Archiving  ⓘ

My Standards ⓘ

[+ Add a Standard for My Company](#)

Company Name	Standard	
★ My Company   01	X12	

Trading Partners

Add an individual trading partner to the list

Use a Processing Group component

Trading Partner List

[+ Add a Trading Partner](#)

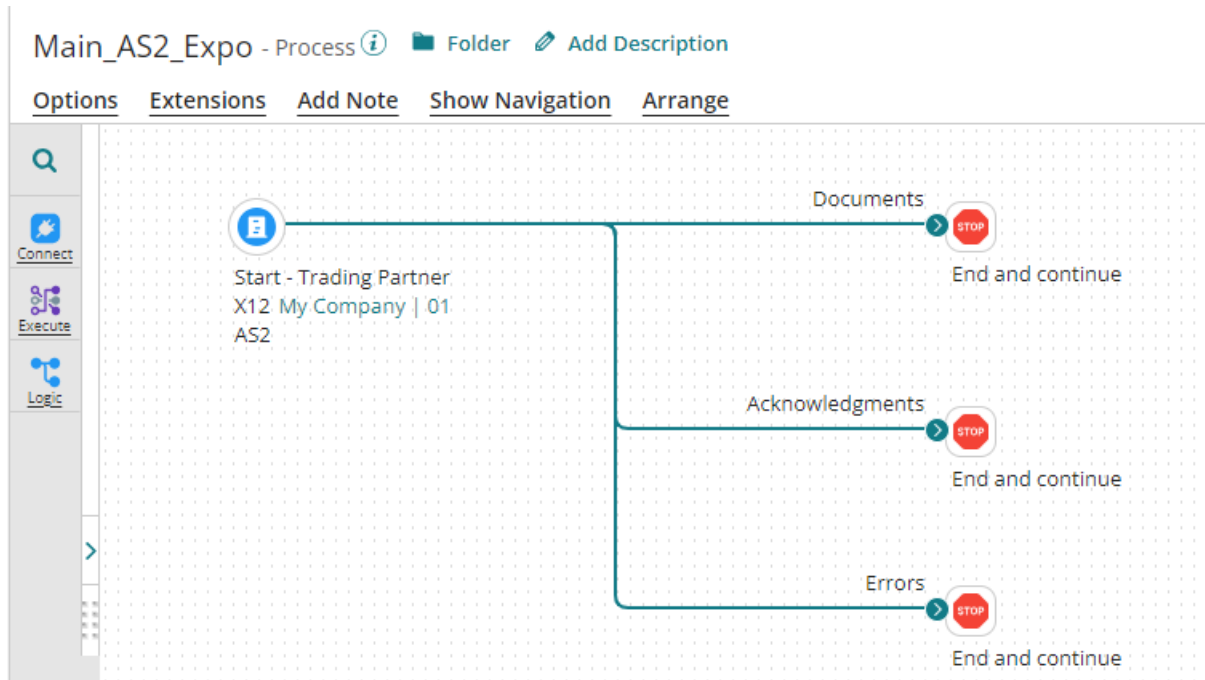
Company Name	Standard	
Trading Partner   01	X12	

©TGH Software Solutions Pvt. Ltd.

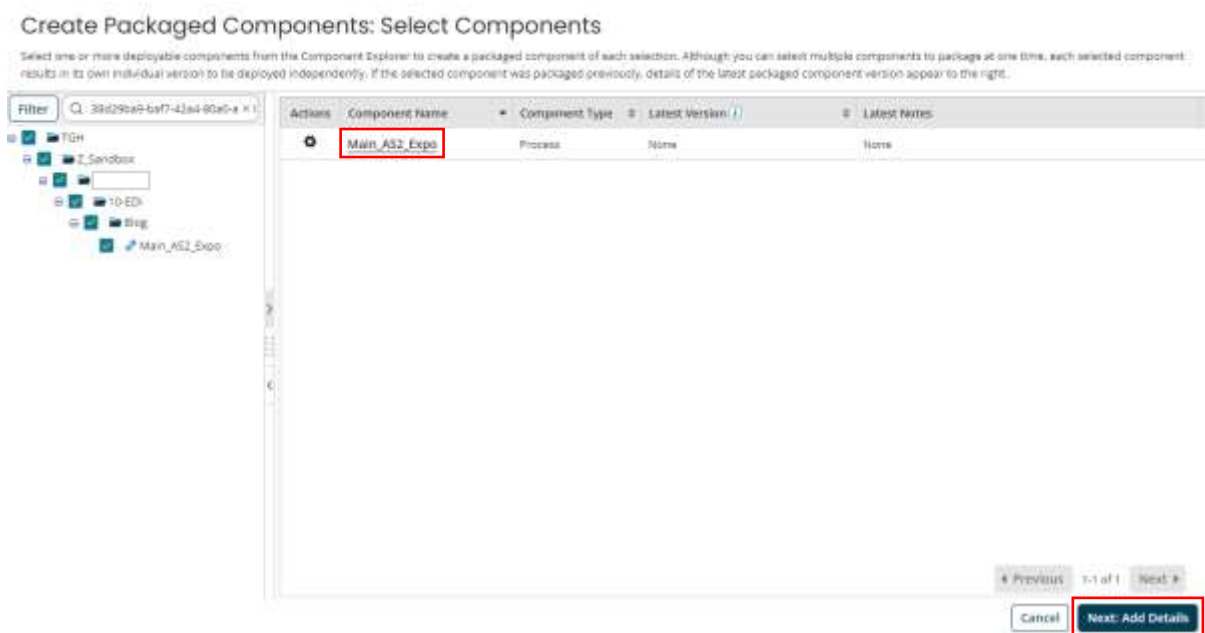
No part of this document may be copied, reproduced, republished, uploaded, posted, publicly displayed, encoded, translated, transmitted or distributed in any way to any other computer, server, website or other medium for publication or distribution, without TGH's prior written consent



**Step 24:** Attach stop shape to all the Three paths and save it.



**Step 25:** Create a packaged component.

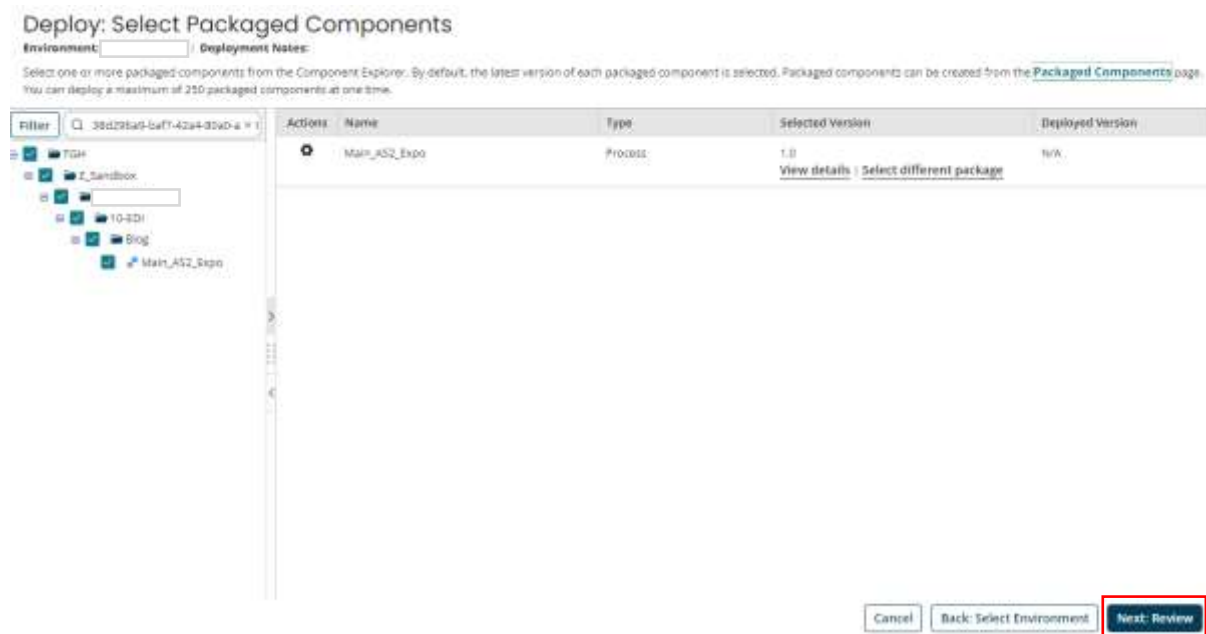


©TGH Software Solutions Pvt. Ltd.

No part of this document may be copied, reproduced, republished, uploaded, posted, publicly displayed, encoded, translated, transmitted or distributed in any way to any other computer, server, website or other medium for publication or distribution, without TGH's prior written consent

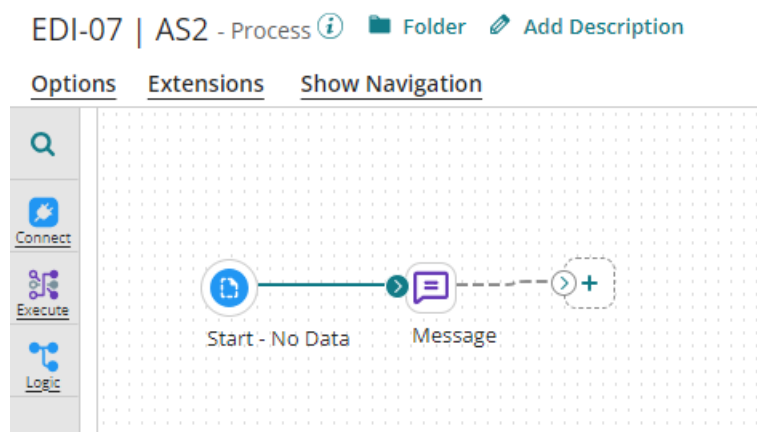


**Step 26:** Deploy it to an environment.



Here's a process to send data using the AS2 client.

**Step 27:** Create a new process and Add a message shape & paste the EDI data.



**Step 28:** Now attach a AS2 client connector after message shape & configure connection component.

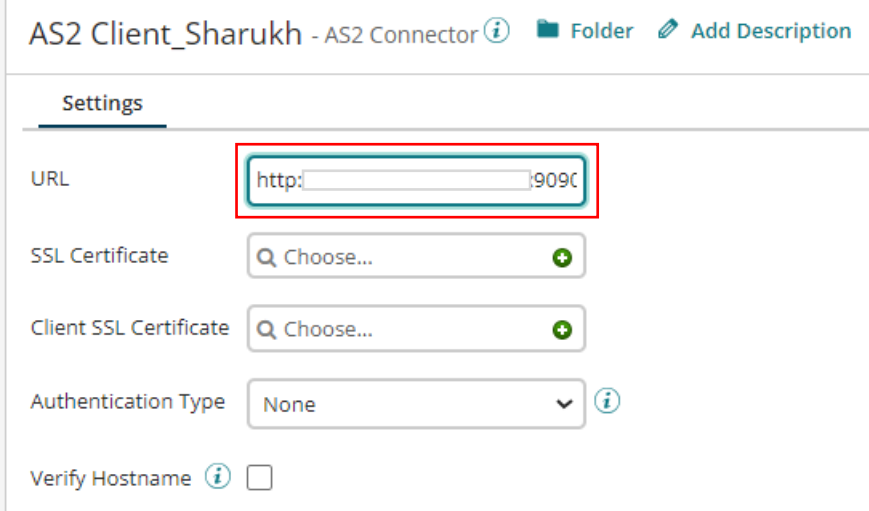
©[TGH Software Solutions Pvt. Ltd.](#)

**Step 29:** Rename the connection component, add the URL and save it.

AS2 URL = {Base URL path}/as2

Base URL path\* => Atom Management -> Shared web server -> Base URL for API Requests.

The AS2 client connection will define the AS2 server information. The AS2 server URL will go into the URL field. If the server has an SSL certificate, we'll use the public server certificate here



AS2 Client\_Sharukh - AS2 Connector ⓘ Folder Add Description

**Settings**

URL

SSL Certificate  +

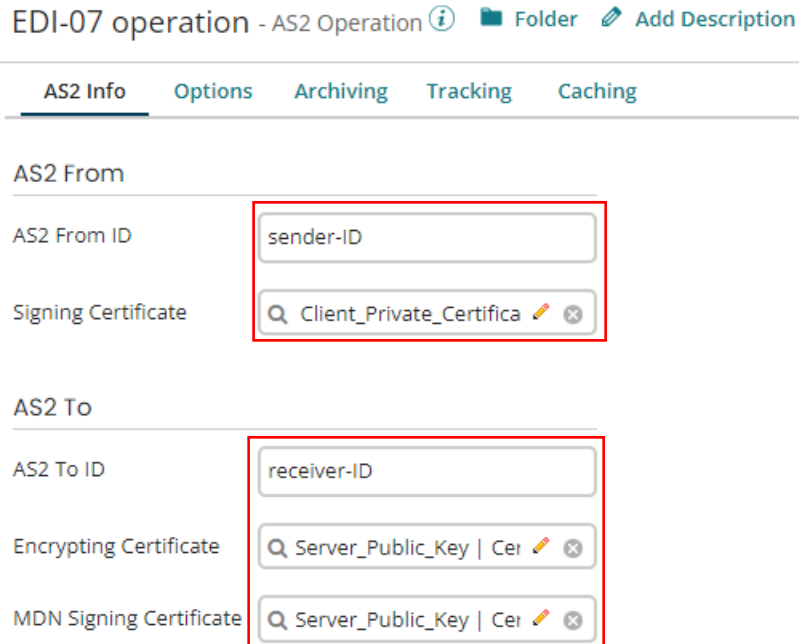
Client SSL Certificate  +

Authentication Type  ⓘ

Verify Hostname ⓘ

**Step 30:** Now configure the Operation Component.

The AS2 client operation will define AS2 specific information. The AS2 From ID is sender-ID. The signing certificate will be sender's private certificate. The AS2 To ID is the receiver-ID (trading partner). The encrypting and MDN signing certificate is the receiver's public certificates.



EDI-07 operation - AS2 Operation ⓘ Folder Add Description

**AS2 Info** Options Archiving Tracking Caching

**AS2 From**

AS2 From ID

Signing Certificate  ⓘ

**AS2 To**

AS2 To ID

Encrypting Certificate  ⓘ

MDN Signing Certificate  ⓘ

©TGH Software Solutions Pvt. Ltd.

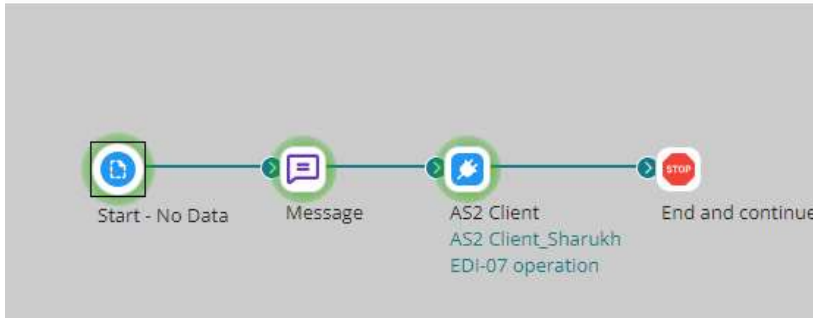
No part of this document may be copied, reproduced, republished, uploaded, posted, publicly displayed, encoded, translated, transmitted or distributed in any way to any other computer, server, website or other medium for publication or distribution, without TGH's prior written consent



**Step 31:** Now attach a stop shape,save it and test the process.

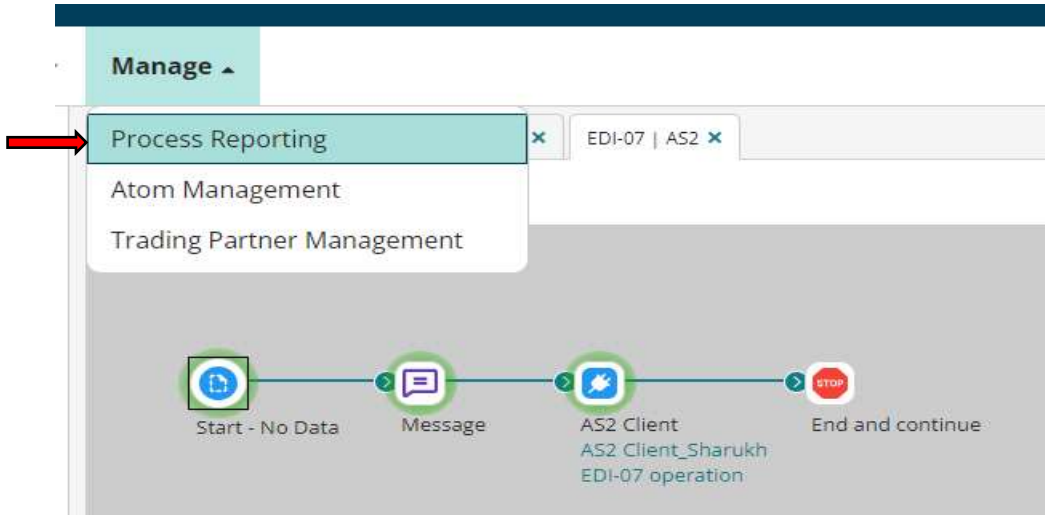
**Step 32:** The process has been executed successfully.

← Process: EDI-07 | AS2 ▾



## Monitoring Transaction:

**Step 33:** Lets monitor the process in process reporting.



**Manage ▾**

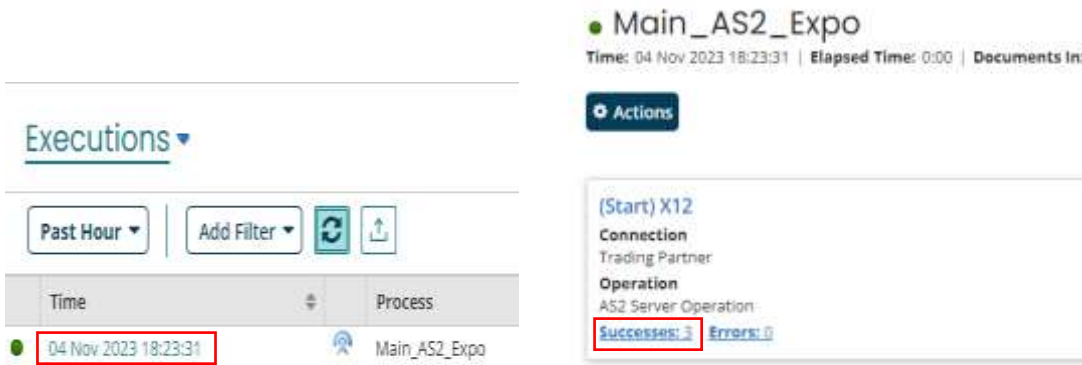
- Process Reporting
- Atom Management
- Trading Partner Management

EDI-07 | AS2

```

    graph LR
      A[Start - No Data] --> B[Message]
      B --> C[AS2 Client  
AS2 Client_Sharukh  
EDI-07 operation]
      C --> D[End and continue]
  
```

**Step 34:** Click on timestamp & on successes.



**Executions ▾**

Past Hour | Add Filter | Refresh | Upload

Time	Process
04 Nov 2023 18:23:31	Main_AS2_Expo

**Main\_AS2\_Expo**  
Time: 04 Nov 2023 18:23:31 | Elapsed Time: 0:00 | Documents In:

**Actions**

(Start) X12  
**Connection**  
 Trading Partner  
**Operation**  
 AS2 Server Operation  
 Successes: 1 | Errors: 0

©TGH Software Solutions Pvt. Ltd.

No part of this document may be copied, reproduced, republished, uploaded, posted, publicly displayed, encoded, translated, transmitted or distributed in any way to any other computer, server, website or other medium for publication or distribution, without TGH's prior written consent



**Step 35:** Here we can see the raw data which we have passed through AS2 client connector.

**Main\_AS2\_Expo**  
 Time: 04 Nov 2023 18:23:31 | Elapsed Time: 0:00 | Documents In: 3 | Documents Out: 0 | Atom:  Atom | Execution Type: Listener Execution

**Actions**

(Start) X12  
 Connection: Trading Partner  
 Operation: AS2 Server Operation

Re-run documents | Re-run documents in Test Mode

Raw Data X12

ID	Actions	Acknowledgement Status	AS2 From ID	AS2 To ID	Subject	Message ID	MDN Message	Content L
1		Acknowledged	sender-ID	receiver-ID	Boomi AS2 Me	<1326553780.45f	processed	4.07

- View Logs
- View Document**
- Re-run Document
- Run Document in Test Mode

## Document Viewer

```

ISA*00* *00* *12*14147844480*12*PARTNERID*180112*1136*U*00401*600000001*0*P*>
GS*PO*14147844480*PARTNERID*20180112*1136*600000001*X*004010VICS
ST*850*999999999
BEG*00*SA*12345678**20180322
REF*DP*999
REF*ZZ*BULK
CSH*P4
SAC*A*E750***3780*3*5*****02
SAC*N**VI*OHNS
ITD*02*2*3**15**15
DTM*037*20180330
DTM*001*20180408
PO1**40*EA*5**UP*111111111111*VA*55555*CB*9998877*BO*002*IZ*56789
CTP*RS*RES*14
PID*F*08***FASHION
PID*F*75***BLACK
PID*F*91***SMALL
PO4*5*2*EA
SDQ*EA*92*00810*20*00840*20
PO1**50*EA*9**UP*11111122222*VA*55555*CB*9998877*BO*002*IZ*79431
CTP*RS*RES*14
PIN*F*08***FASHION
  
```

[Download Original Document](#)

Size 713 bytes

Close Document Viewer

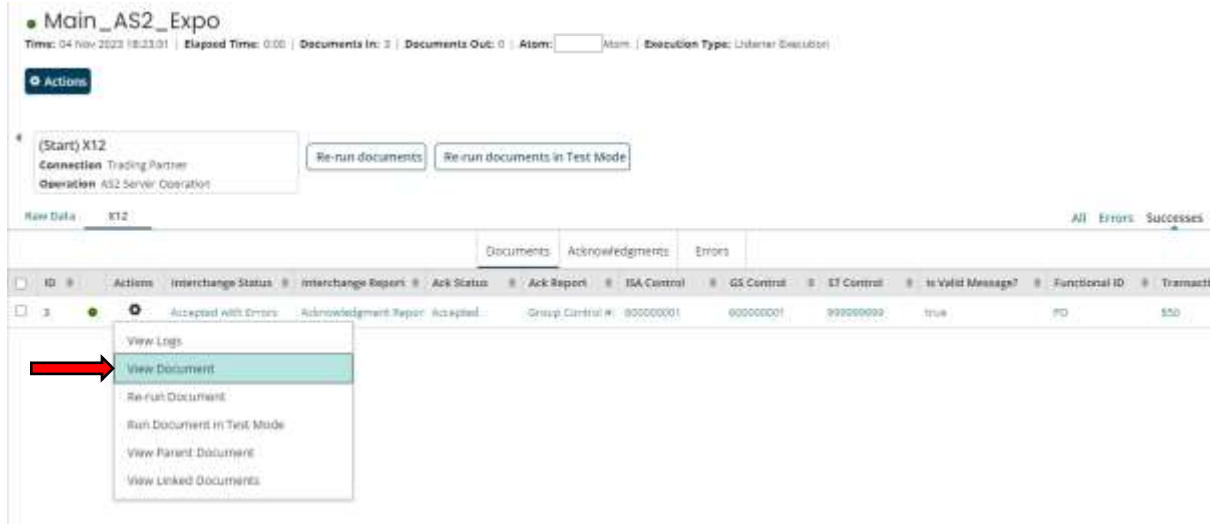
©TGH Software Solutions Pvt. Ltd.

No part of this document may be copied, reproduced, republished, uploaded, posted, publicly displayed, encoded, translated, transmitted or distributed in any way to any other computer, server, website or other medium for publication or distribution, without TGH's prior written consent





**Step 36:** In the X12 tab we can see all the 3 paths which are present in Start shape with Trading Partner. And in the Document section we can see the processed document.



The screenshot shows the 'Main\_AS2\_Expo' interface. At the top, it displays 'Time: 04 Nov 2023 18:23:01', 'Elapsed Time: 0:00', 'Documents In: 3', 'Documents Out: 0', and 'Atom: [ ] Atom: [ ] Execution Type: Listener Execution'. Below this is an 'Actions' section with a '(Start) X12' button and 'Re-run documents' and 'Re-run documents in Test Mode' buttons. A table below shows document details, and a dropdown menu is open over the first row, with 'View Document' highlighted by a red arrow.

## Document Viewer

```

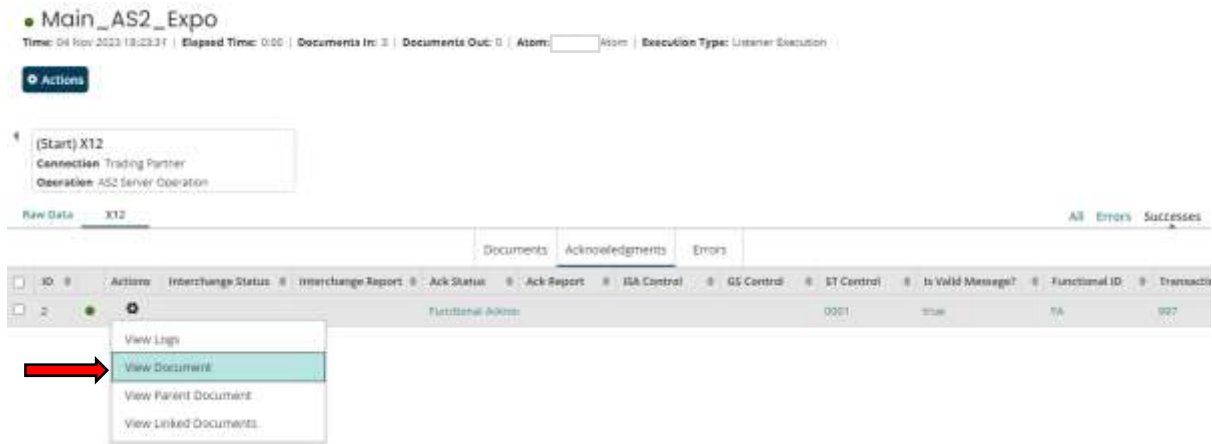
ST*850*999999999
BEG*00*SA*12345678**20180322
REF*DP*999
REF*ZZ*BULK
CSH*P4
SAC*A*E750***3780*3*5*****02
SAC*N**VI*OHNS
ITD*02*2*3**15**15
DTM*037*20180330
DTM*001*20180408
PO1**40*EA*5**UP*111111111111*VA*55555*CB*9998877*BO*002*IZ*56789
CTP*RS*RES*14
PID*F*08***FASHION
PID*F*75***BLACK
PID*F*91***SMALL
PO4*5*2*EA
SDQ*EA*92*00810*20*00840*20
PO1**50*EA*9**UP*11111122222*VA*55555*CB*9998877*BO*002*IZ*79431
CTP*RS*RES*14
PID*F*08***FASHION
PID*F*75***BLACK
PID*F*Q1***MEDII IM
  
```

[Download Original Document](#)

Size 540 bytes

[Close Document Viewer](#)

**Step 37:** In the Acknowledgement section we can see the acknowledgement which is going to be send to the client.

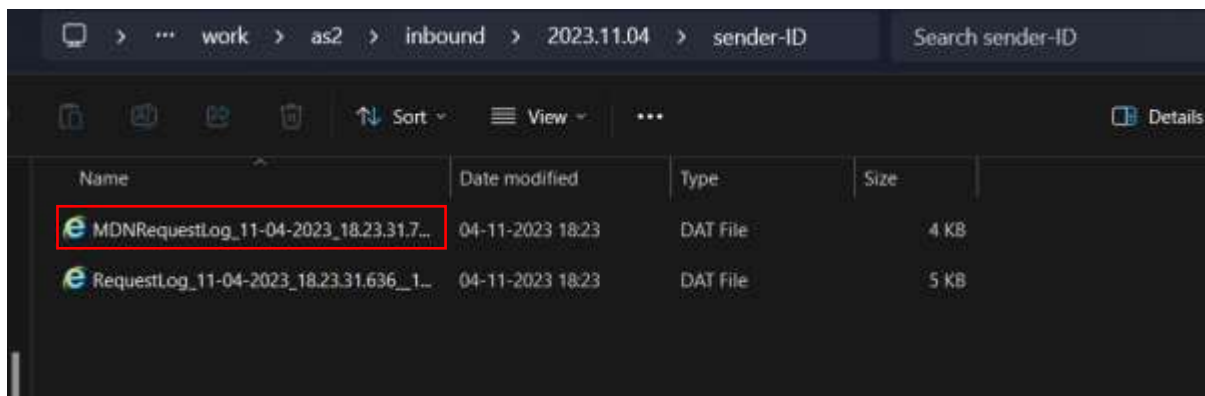


## Document Viewer

```
ST*997*0001
AK1*PO*600000001
AK9*A*0*0*0
SE*4*0001
```

**Step 38:** As we have requested for the MDN, lets check whether we have got it or not.

Local runtime engine directory->work->as2->inbound->Folder with today date->MDN file.



©[TGH Software Solutions Pvt. Ltd.](http://TGH Software Solutions Pvt. Ltd.)

No part of this document may be copied, reproduced, republished, uploaded, posted, publicly displayed, encoded, translated, transmitted or distributed in any way to any other computer, server, website or other medium for publication or distribution, without TGH's prior written consent



**Step 39:** This is the MDN we have got as the receiver has got the document & decrypted successfully.

```
Date: Sat, 4 Nov 2023 12:53:31 GMT
From: receiver-ID
To: sender-ID
Message-Id: <1501625848.464.1699102411737.JavaMail.SHARUKHKHANDARV$@SharukhKhanDarvesh>
Subject: Boomi AS2 Message
MIME-Version: 1.0
Content-Type: multipart/signed; protocol="application/pkcs7-signature"; micalg=sha1;
  boundary="-----_Part_462_1927063300.1699102411736"
AS2-From: receiver-ID
AS2-To: sender-ID
AS2-Version: 1.1
User-Agent: Boomi AS2 Connector

-----=_Part_462_1927063300.1699102411736
Content-Type: multipart/report; report-type=disposition-notification;
  boundary="-----_Part_460_1945118681.1699102411734"

-----=_Part_460_1945118681.1699102411734
Content-Type: text/plain
Content-Transfer-Encoding: binary

The message sent on Sat, 4 Nov 2023 12:53:31 GMT
From [sender-ID] to [receiver-ID]
with subject [Boomi AS2 Message] and
message ID of [<1326553760.459.1699102411579.JavaMail.SHARUKHKHANDARV$@SharukhKhanDarvesh.32>]
has been [processed]

-----=_Part_460_1945118681.1699102411734
Content-Type: message/disposition-notification
Content-Transfer-Encoding: binary

Reporting-UA: receiver-ID (boomi.server)
Original-Recipient: rfc822;receiver-ID
Final-Recipient: rfc822;receiver-ID
Original-Message-ID: <1326553760.459.1699102411579.JavaMail.SHARUKHKHANDARV$@SharukhKhanDarvesh.32>
Disposition: automatic-action/MDN-sent-automatically; processed
Received-Content-MIC: BXq]lNCn3k6ZjuMXbPeAms4IKvM=, sha1
```

## References:

- <https://help.boomi.com>
- [https://help.boomi.com/docs/atomsphere/integration/process%20building/r-atm-as2\\_communication\\_method\\_configuration\\_72a8923f-f787-48ca-84a6-b5d939be9832/](https://help.boomi.com/docs/atomsphere/integration/process%20building/r-atm-as2_communication_method_configuration_72a8923f-f787-48ca-84a6-b5d939be9832/)



# TGH

Making Integrations Simpler

boomi  
Partner



## TGH Software Solutions Pvt. Ltd.

[www.techygeekhub.com](http://www.techygeekhub.com)

At TGH, we specialize in driving digital transformation through seamless Integration Technologies.

Operating as an INTEGRATION FACTORY, we serve as a one-stop shop for all your integration needs. Our expert team is well-versed in enterprise software and legacy system integration, along with leading iPaaS technologies like Boomi, MuleSoft, Workato, OIC, and more.

We're committed to enhancing business processes and solving problems through our integration expertise.



### Email address

[connect@techygeekhub.com](mailto:connect@techygeekhub.com)



### Phone number

+ 011-40071137  
+ 91-8810610395



### Our offices

#### Noida Office

IThum  
Plot No -40, Tower A,  
Office No: 712,  
Sector-62, Noida,  
Uttar Pradesh, 201301

#### Hyderabad Office

Plot no: 6/3, 5th Floor,  
Techno Pearl Building,  
HUDA Techno Enclave,  
HITEC City, Hyderabad,  
Telangana 500081

