

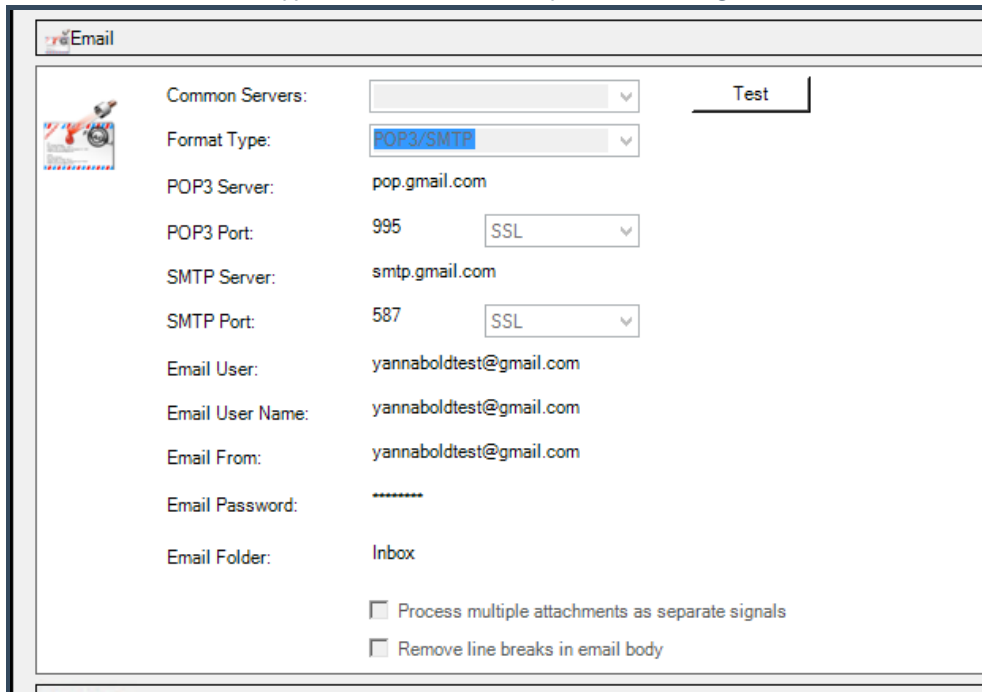
Examples of Data Mapping for Universal Connectors

01/10/2024 2:33 pm EST

Examples of Data Mapping for Universal Connectors

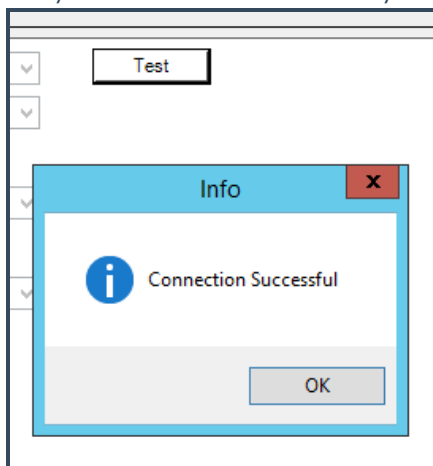
Example of using an email type connector to send attachments (jpg, mov, mp4, etc...)

Create a new Connector type for the email source you will be using.

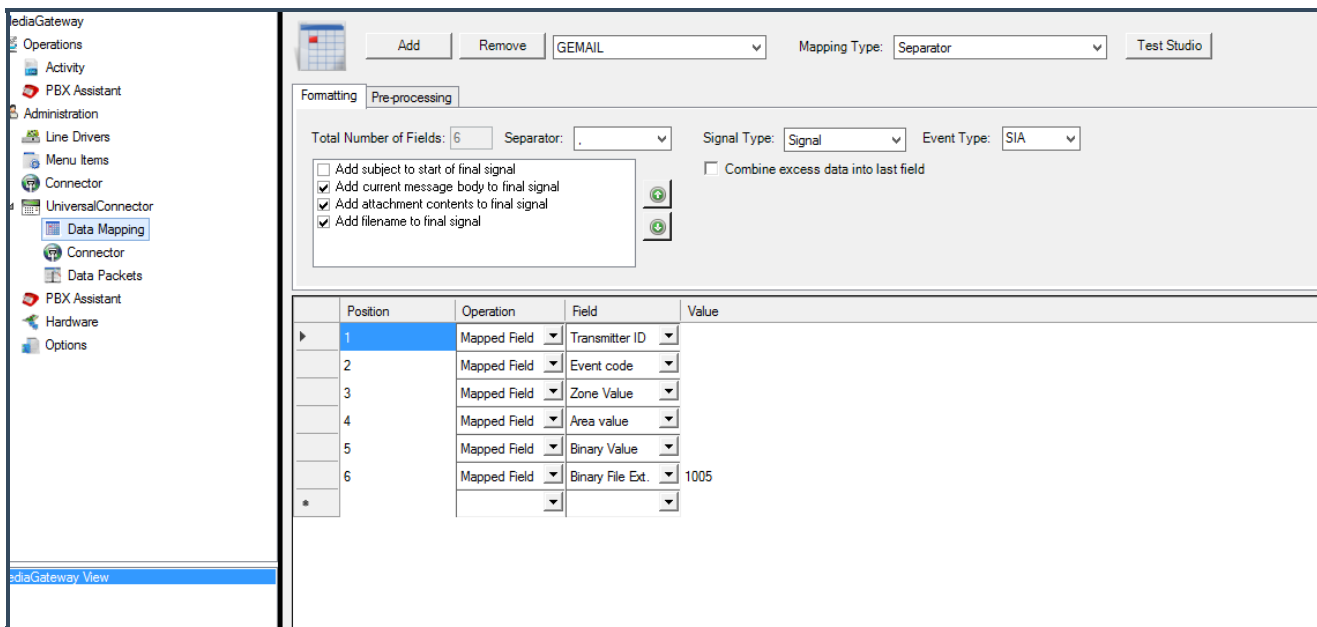


The screenshot shows the configuration window for an 'Email' connector. It includes a 'Test' button and various fields for server and user information. The 'Format Type' is set to 'POP3/SMTP'. The 'POP3 Server' is 'pop.gmail.com', 'POP3 Port' is '995', and 'SMTP Server' is 'smtp.gmail.com'. The 'Email User' and 'Email User Name' are both 'yannaboldtest@gmail.com'. The 'Email From' is also 'yannaboldtest@gmail.com'. The 'Email Password' is masked with asterisks. The 'Email Folder' is 'Inbox'. There are two checkboxes at the bottom: 'Process multiple attachments as separate signals' and 'Remove line breaks in email body', both of which are unchecked.

Verify the credentials are correct by clicking the Test button and that it shows the test is successful.



Create a new set for Data Mapping based on the example below

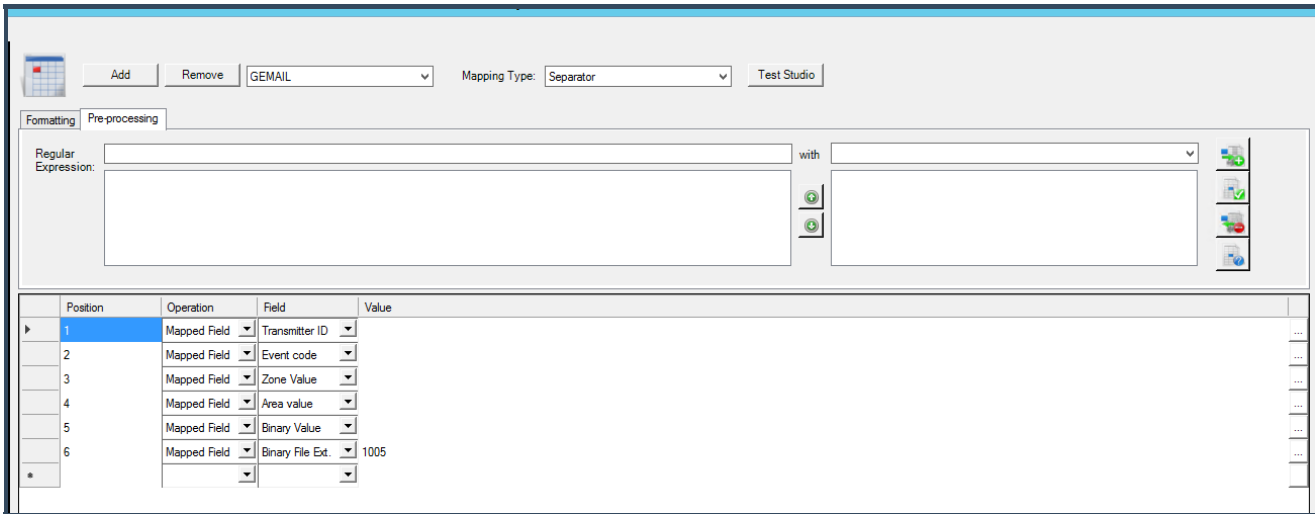


The value for the Binary File Ext is set based on the Audio and Video (Binary) section of this document [Manitou Core - XML Receiver Driver](#)

Tag	Parent	Attribute	Required	Length	Description
Binary	Packet		No		Binary data for audio or video.
		Type	Yes	1 to 4 numeric digits in the range of 1 - 9999	<p>Indicates the type of audio/video file, where:</p> <ul style="list-style-type: none"> • General: <ul style="list-style-type: none"> ○ 1 = Text ○ 2 = HTML ○ 3 = XML ○ 4 = URL • Video: <ul style="list-style-type: none"> ○ 1000 = Ozvision OZC ○ 1001 = Redcare NGR ○ 1002 = RSI MPG ○ 1003 = RSI JPG ○ 1004 = MPEG ○ 1005 = AVI ○ 1006 = MOV, MP4 ○ 1007 = WMV ○ 1008 = JPG ○ 1009 = March R5 ○ 1010 = Honeywell Rapid-Eye Multimedia ○ 1011 = Bosch Videojet MPG ○ 1012 = Geuterbrueck GVI ○ 1013 = ExacqVision AVI ○ 1014 = Axis ASF ○ 1015 = Domonial ○ 1016 = FLV • Audio: <ul style="list-style-type: none"> ○ 5000 = WAV ○ 5001 = MP3 ○ 5002 = WMA • Other: <ul style="list-style-type: none"> ○ 9999 = other audio/video type

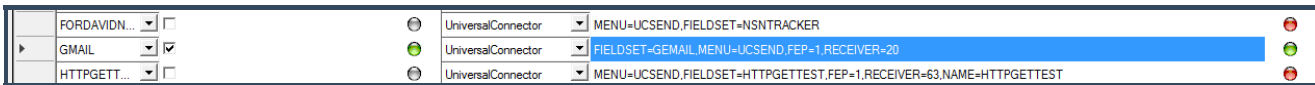
In this example, I am sending in an AVI clip so I have it set to 1005.

The pre-processing tab should be blank



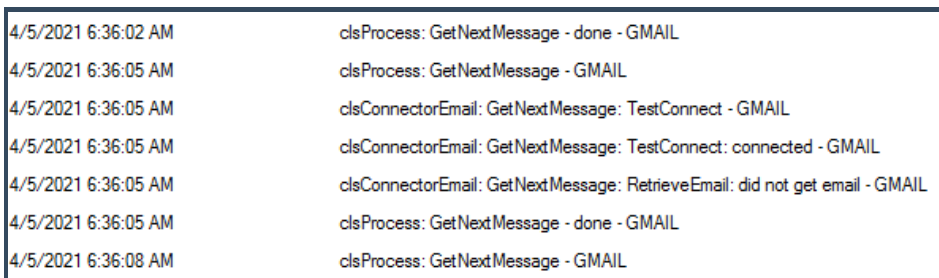
Do a File> Save, then a Reload and Restart to make sure changes are saved.

Next create a Line Driver



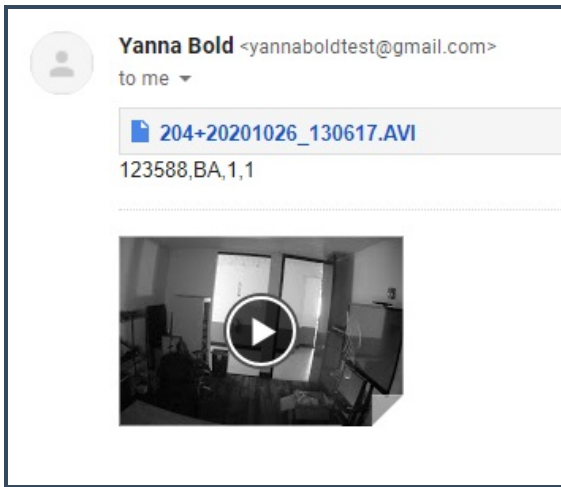
Use the Data Mapping just created in the properties of the Line Driver for the FieldSet variable

After the Line Driver is created check the box next to it to start the line driver. Do a File>Save then a File>Restart/Reload to ensure all the changes are picked up. Once everything reloads the light should show green that the driver is started. Check the Activity and and verify the MG is looking for incoming emails and that there are no errors



When sending an email for testing it cannot contain a signature line and needs to be in PLAIN TEXT format. Else it will not parse correctly.

Email example:



123588 = TXID for my customer

BA = Burglary SIA event code

1 = Zone 1

1 = Area 1

Attached is the AVI video clip that I want to show in the alarm.

The Activity in the MG will show the email come in, and the alarm being parsed.

```

4/5/2021 6:46:22 AM      clsConnectorEmail: GetNextMessage: RetrieveEmail: SplitFileName - GMAIL
4/5/2021 6:46:22 AM      clsConnectorEmail: GetNextMessage: RetrieveEmail: After SplitFileName - GMAIL
4/5/2021 6:46:22 AM      clsConnectorEmail: GetNextMessage: RetrieveEmail: After read attachment into byte array - GMAIL
4/5/2021 6:46:22 AM      clsConnectorEmail: GetNextMessage: RetrieveEmail: Enqueueing email1 - GMAIL
4/5/2021 6:46:22 AM      clsProcess: GetNextMessage - done - GMAIL
4/5/2021 6:46:22 AM      SetLineStyle: Setting device: GMAIL as enActive status.
4/5/2021 6:46:22 AM      Email Message Received (yannaboldtest@gmail.com) () : 123588.BA.1.1
4/5/2021 6:46:22 AM      Using Menu: (UCSEND) GMAIL
4/5/2021 6:46:22 AM      (Th:9) MENU: Universal Connector Send Signal Mode=enSms
4/5/2021 6:46:22 AM      (Th:9) EXECUTE: Universal Connector Send Signal (1709)
4/5/2021 6:46:22 AM      (Th:9) EXECUTE: Send signal using mapped fields (1710)
4/5/2021 6:46:22 AM      (Th:9) METHOD: UCSendSignal (Send and prepare all signals using Mapped Fields)
4/5/2021 6:46:22 AM      (Th:9) PARAM: FIELDSET: GEMAIL
4/5/2021 6:46:22 AM      (Th:9) PARAM: SIGNAL: 123588.BA.1.1
4/5/2021 6:46:23 AM      (Th:9) MAPPING: FieldSet: GEMAIL - Type: , Pos:1, Start:1, Length:0, Name: TransmitterID, Value:123588
4/5/2021 6:46:23 AM      (Th:9) MAPPING: FieldSet: GEMAIL - Type: , Pos:2, Start:2, Length:0, Name: Stocode, Value:BA
4/5/2021 6:46:23 AM      (Th:9) MAPPING: FieldSet: GEMAIL - Type: , Pos:3, Start:3, Length:0, Name: Zone, Value:1
4/5/2021 6:46:23 AM      (Th:9) MAPPING: FieldSet: GEMAIL - Type: , Pos:4, Start:4, Length:0, Name: Area, Value:1
4/5/2021 6:46:23 AM      (Th:9) MAPPING: FieldSet: GEMAIL - Type: , Pos:5, Start:5, Length:0, Name: Binary, Value:Binary data
4/5/2021 6:46:23 AM      (Th:9) MAPPING: FieldSet: GEMAIL - Type: , Pos:6, Start:6, Length:0, Name: BinaryFileExt, Value: AVI LIST1  hdrfavinh8 ?? ??%  f?~  f-  LISTR  strfstr8  ...
4/5/2021 6:46:23 AM      Enqueueing signal to signal queue: PacketID:123588, EvType:SIA, Event:BA
4/5/2021 6:46:23 AM      (Th:9) RESULT: Function Successful
4/5/2021 6:46:23 AM      clsProcess: GetNextMessage - GMAIL
4/5/2021 6:46:23 AM      clsConnectorEmail: GetNextMessage: TestConnect - GMAIL

```

Alarm will come into Manitou as the following:

Video Control Center - Manitou 3.0.0.0 - Connected

SWEETBUNNY: Sweet Bunny x

Video Matrix

(SWEETBUNNY) 4/5/2021 - Burglary Alarm (BA) A:1 Z:1

PTZ Audio Search Misc Controls Settings

Customer 06:48 Created: 02:04 User: 00:00

Customer Activity Log

Date	Time	Log Description	User ID	Workstation
04/05/2021	06:46:23	ALARM - Burglary Alarm (BA) zone		
	06:46:23	BINARY - Video		
	06:48:03	ALLOCATED - Burglary Alarm (BA)		
	06:48:03	VIEWED - Burglary Alarm (BA) - Re		
04/02/2021	13:03:02	ALARM - Late-To-Close (*LC) S: 1		
04/02/2021	08:00:03	ALARM - Late-To-Open (*LO) S: 1		
04/01/2021	14:17:17	MAINTENANCE ISSUE #107491 -		
04/01/2021	14:17:17	ALARM - Burglary Alarm (BA) zone		
	14:17:17	BINARY - Video		
	14:17:29	ALLOCATED - Burglary Alarm (BA)		
	14:17:29	VIEWED - Burglary Alarm (BA) - Re		
	14:17:43	REVERSE COMMAND - SHOWVIDE		
	15:33:19	CLOSE - Burglary Alarm (BA)		
	15:33:19	RESOLUTION - Burglary Alarm (BA)		
04/01/2021	13:11:09	ALARM - Burglary Alarm (BA) S: 1		
	13:11:52	ALLOCATED - Burglary Alarm (BA)		
	13:11:52	VIEWED - Burglary Alarm (BA) - Re		
	13:13:44	CLOSE - Burglary Alarm (BA)		