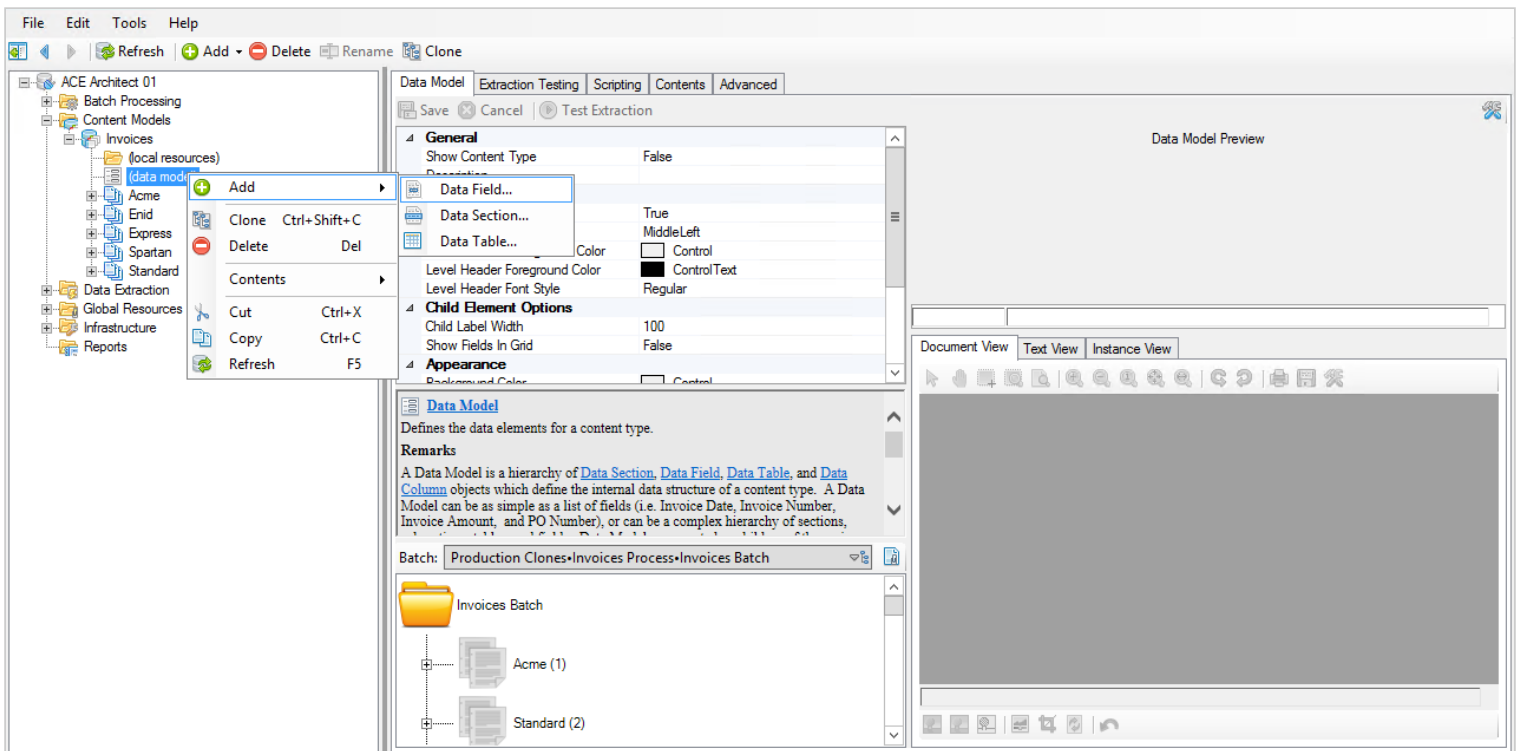


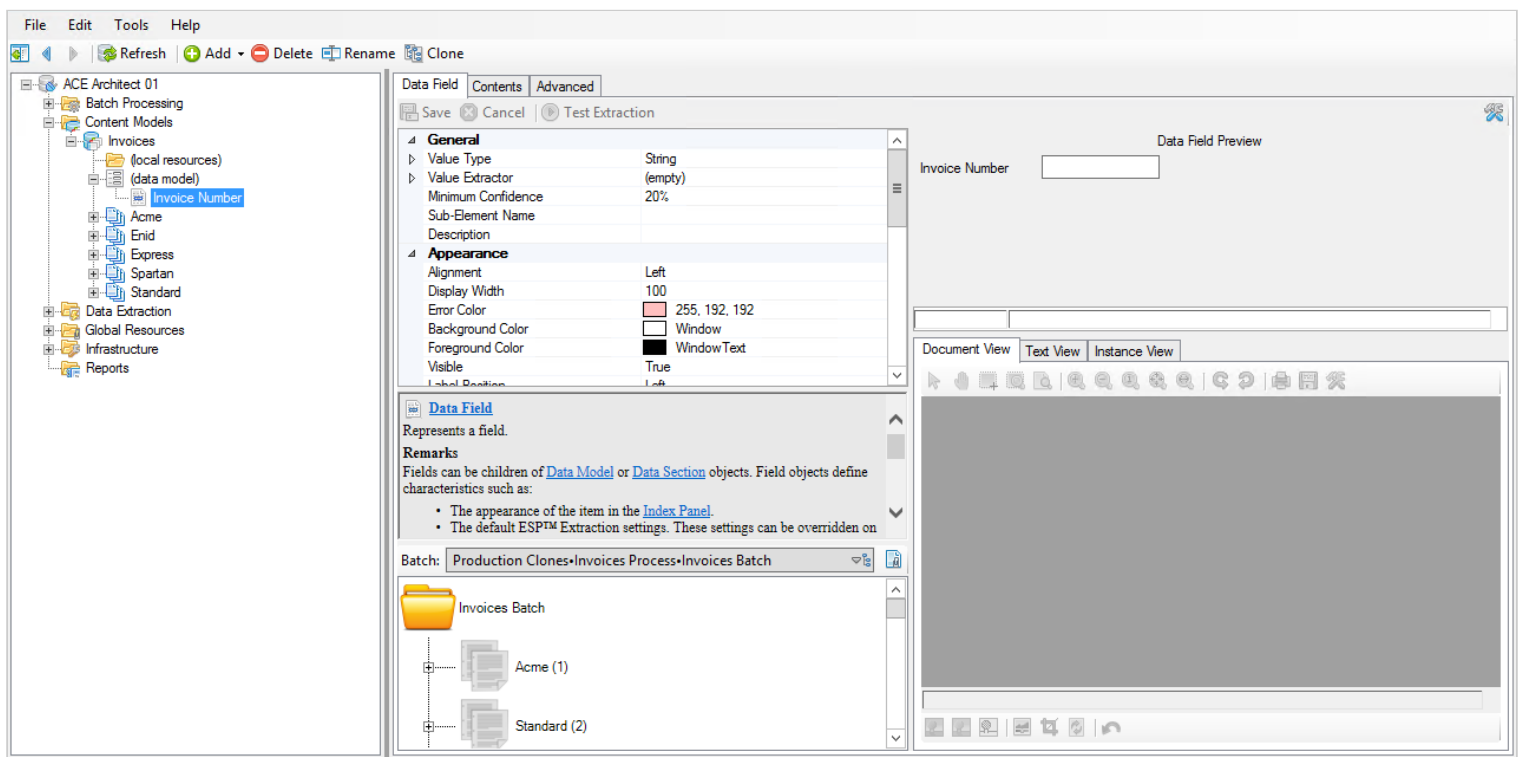
Collect

Data Field

Step 1

1. Navigate to (root) > Content Models > Invoices > (data model)
2. Right click on the Data Model and select Add > Data Field...
3. Name it **Invoice Number**



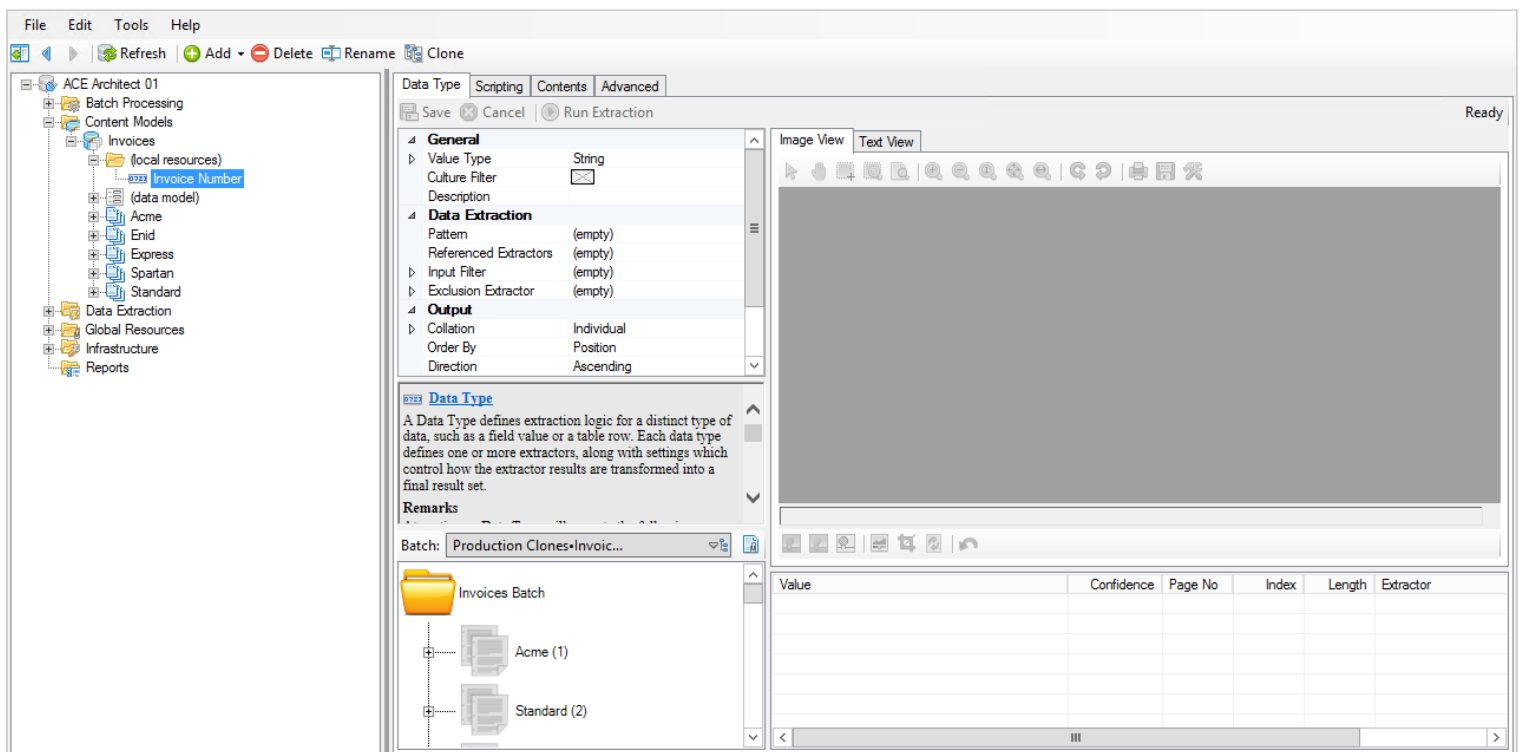
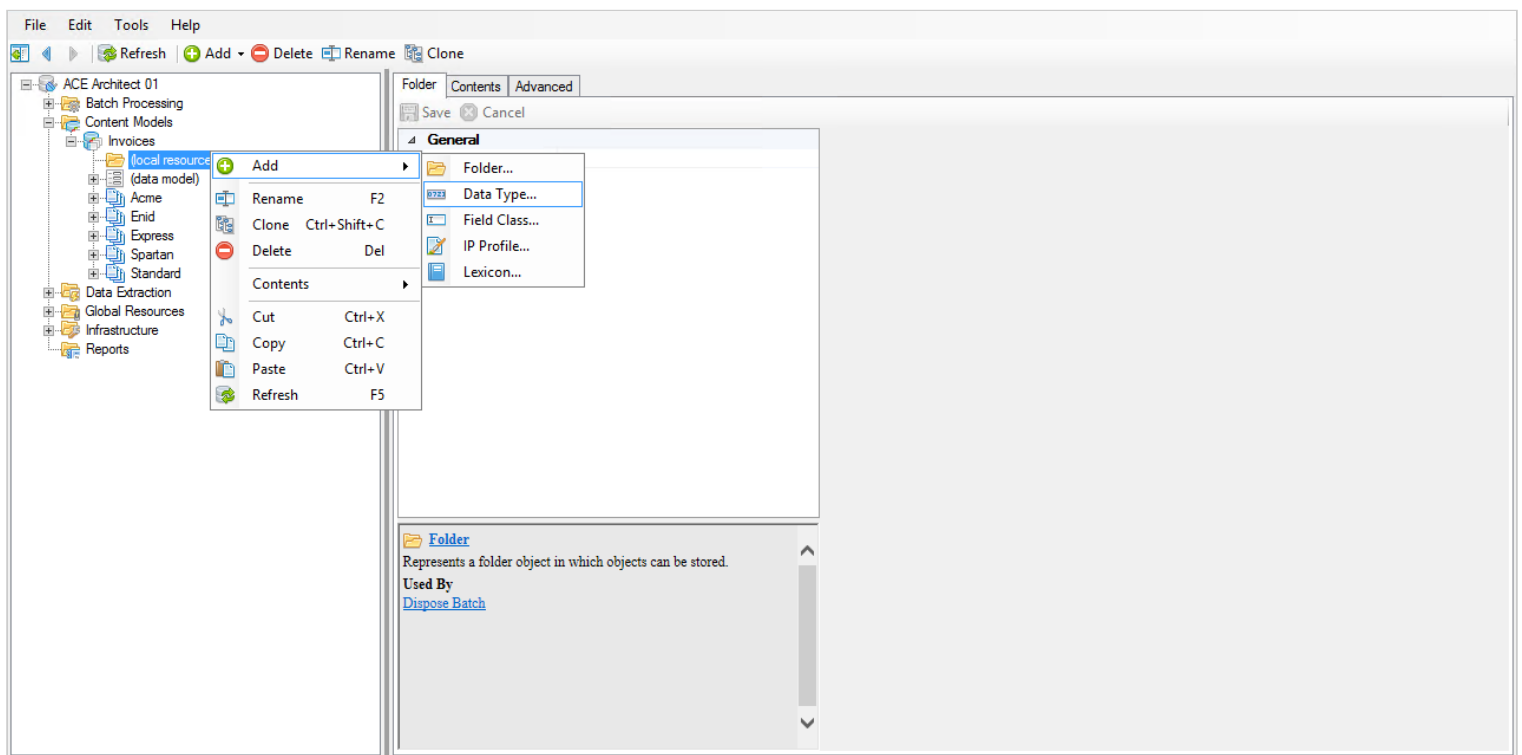


Extractors

Creating the invoice number extractor

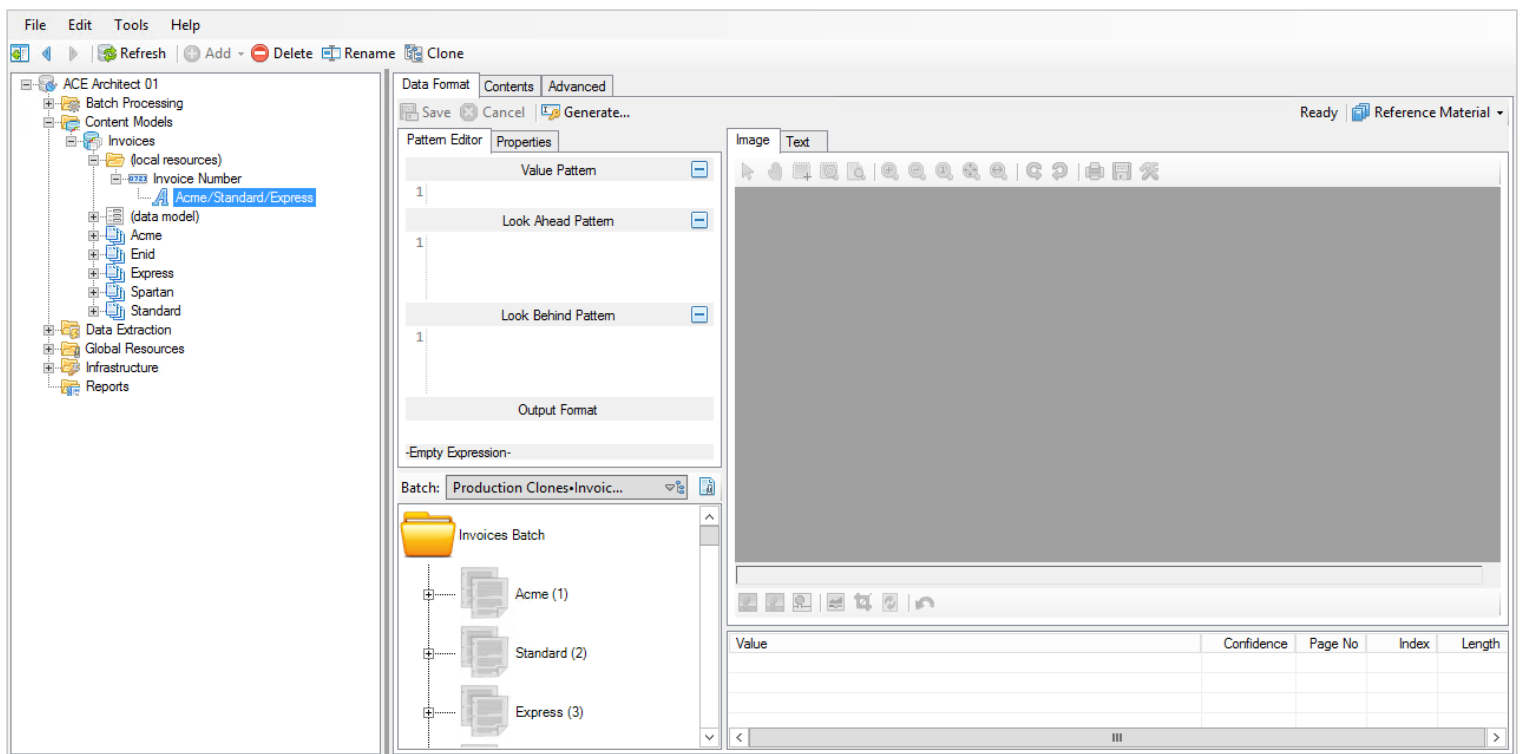
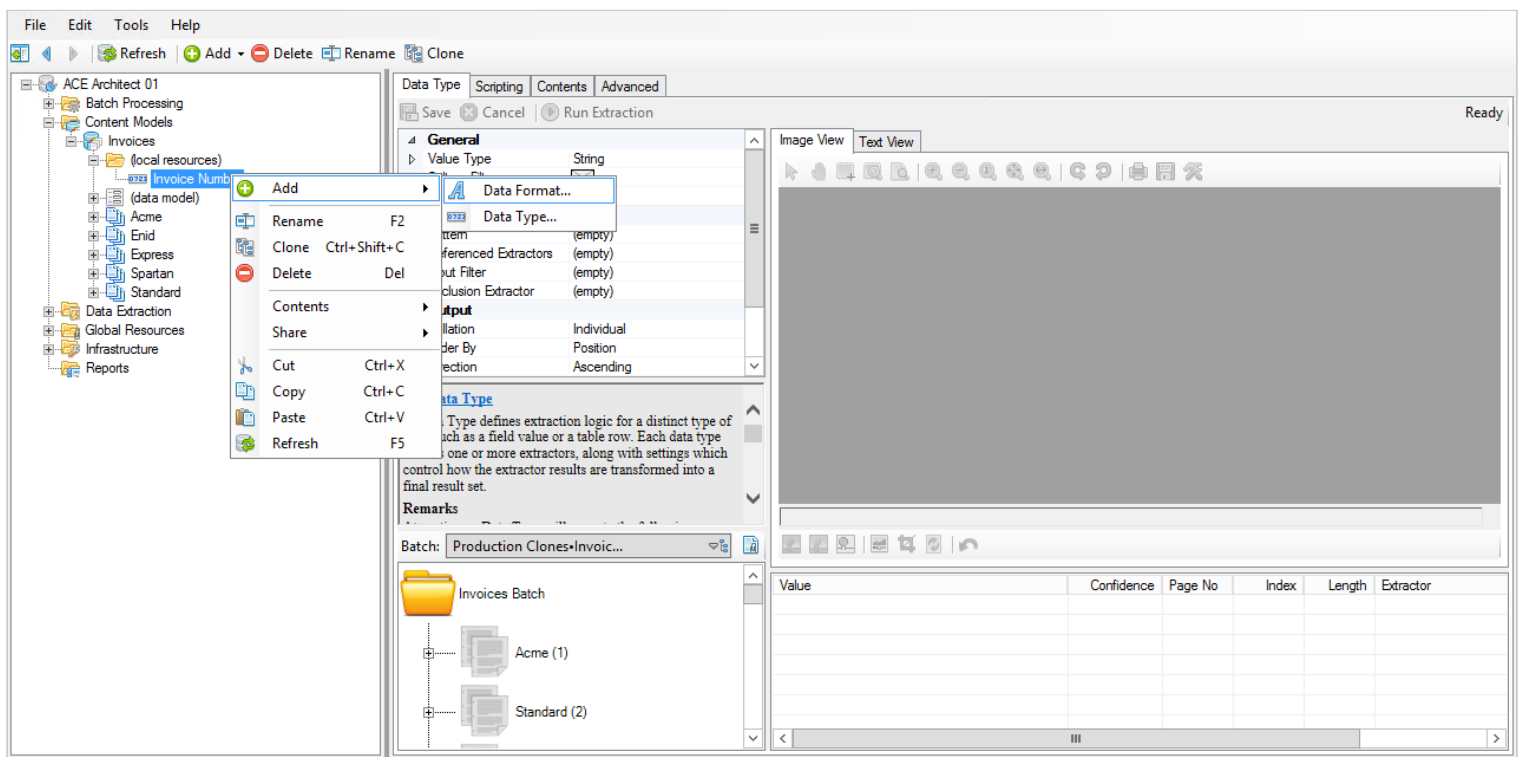
Step 1

1. Right click on the (local resources) folder and select Add > Data Type...
2. Name it **Invoice Number**



Step 2

1. Right click on the Invoices Data Type and select Add > Data Format...
2. Name it **Acme/Standard/Express**



Step 3

1. Select Acme (1) from the batch viewer
2. In the Value Pattern editor, type:

```
invoice\snumber\s?:?\s(\d{8,10})
```

3. In the Output Format editor, type:

```
{1}
```

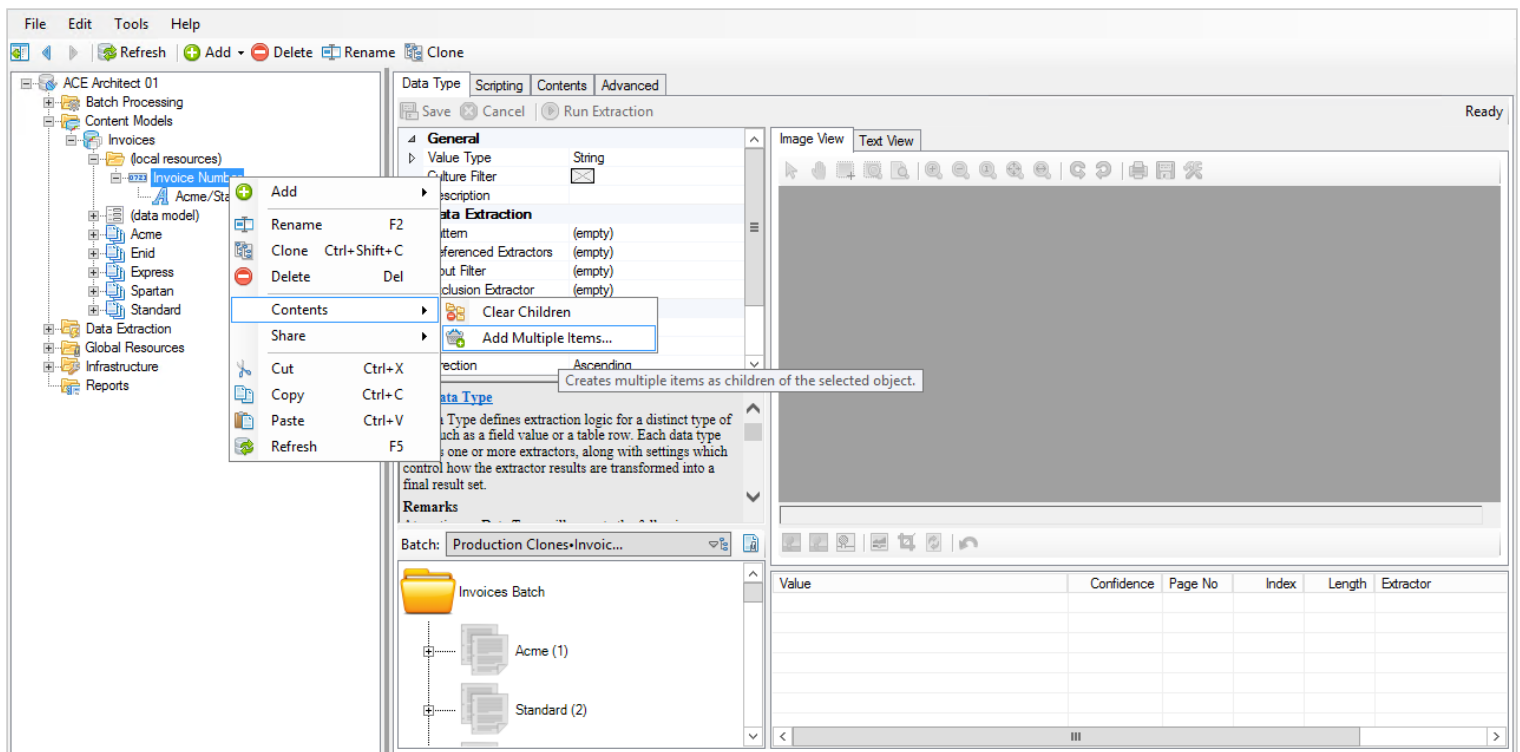
The screenshot displays the ACE Architect 01 software interface. On the left, the 'Batch Processing' tree shows a hierarchy of 'Invoices' with sub-items like 'Acme', 'Enid', 'Express', and 'Standard'. The 'Batch: Production Clones*Invoice...' section shows a list of 'Invoices Batch' with 'Acme (1)', 'Standard (2)', and 'Express (3)'.

The main workspace is divided into several panels:

- Pattern Editor:** Shows the 'Value Pattern' editor with the text `1 invoice\snumber\s?:?\s(\d{8,10})`. Below it, the 'Look Ahead Pattern' and 'Look Behind Pattern' are both set to `1`. The 'Output Format' section shows the pattern `{1}` and the OK message `OK: invoice\snumber\s?:?\s(\d{8,10})`.
- Image/Text:** Displays the generated invoice for 'Acme International, Inc'. The invoice includes contact information for Durham, NH, and a detailed list of 'Your Reference' and 'Our Reference' data.
- Results Table:** A table at the bottom right showing the results of the batch processing.

Results (1)	Confidence	Page No	Index	Length
74451405	100 %	1	458	23

1. Right click on the Invoice Number Data Type and select Contents > Add Multiple Items...
2. In the Contents • Add Multiple Items window, set Item Type to Data Format
3. Edit the Item Names property and type out the names of the other formats:
 - Spartan
 - Enid
4. Click Execute to complete



Contents • Add Multiple Items

Execute

Cancel

General

Item Type

Item Names

Data Format

2 entries

Spartan
Enid

Item Names

Type: *String*

The names of the child items to create.

Remarks

For each name provided in the list, a child item of the specified Item Type will be created.

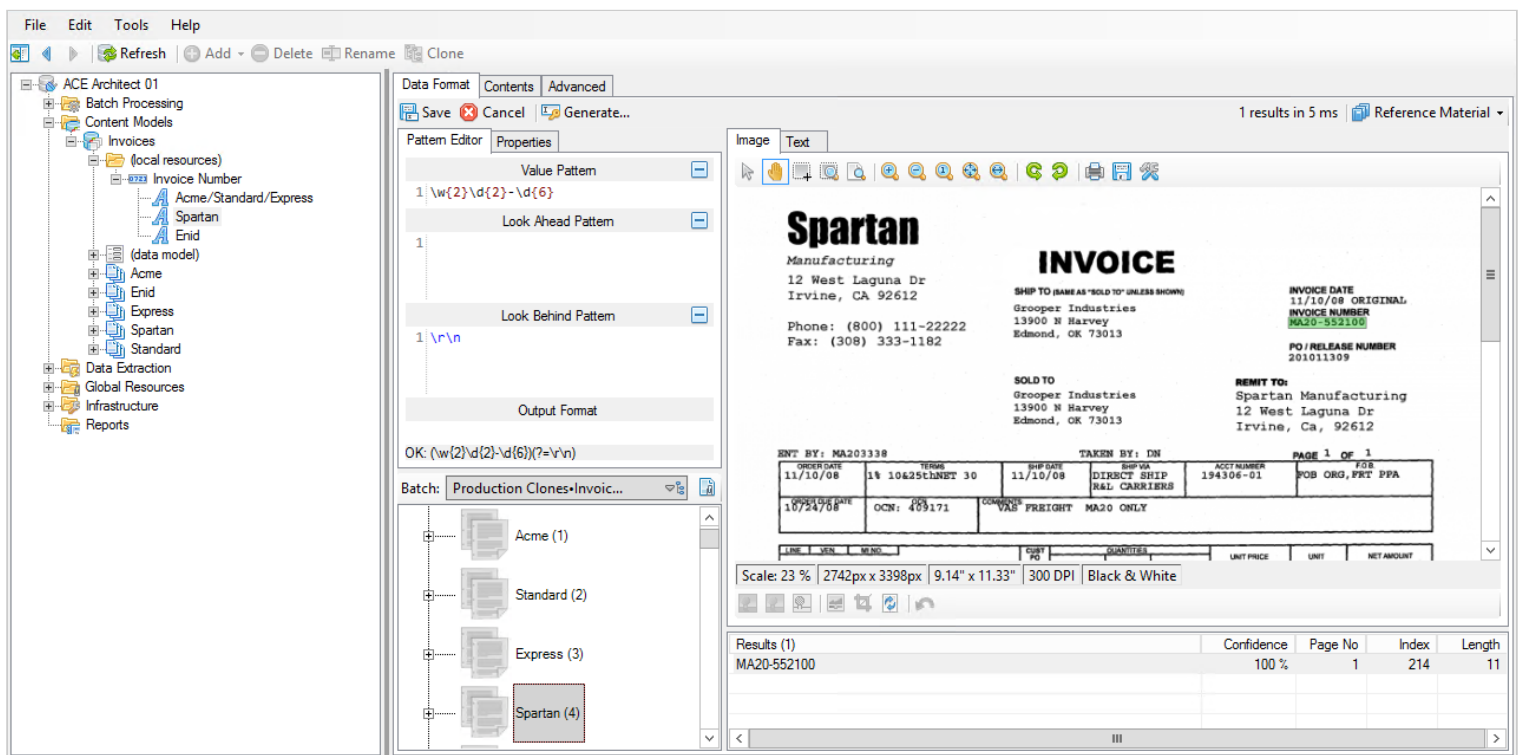
Step 5

1. Select the Invoice Number > Spartan Data Format
2. Select Spartan (4) in the batch viewer
3. In the Value Pattern editor, type:

```
\w{2}\d{2}-\d{6}
```

4. In the Look Behind editor, type:

```
\r\n
```



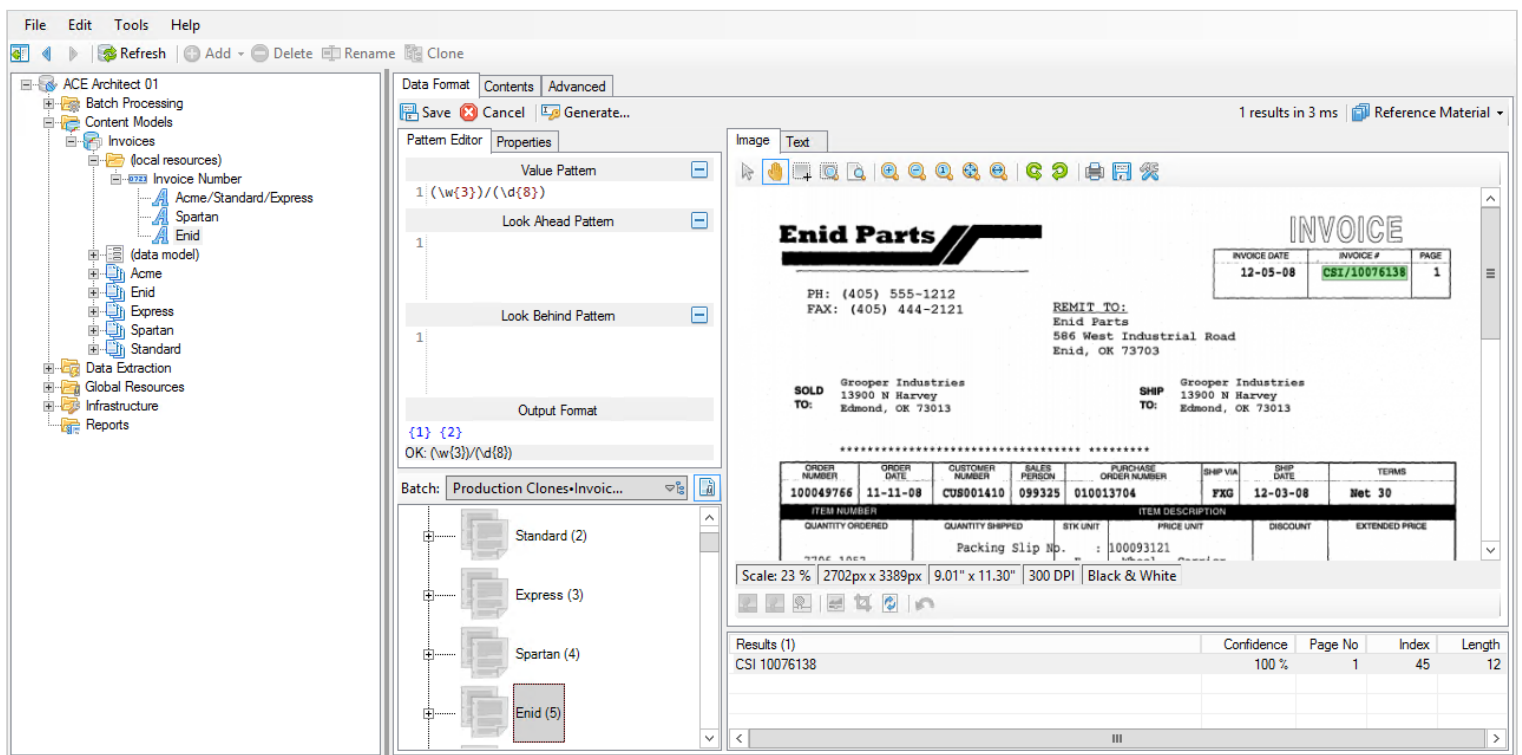
Step 6

1. Select the Invoice Number > Enid Data Format
2. Select Enid (5) in the batch viewer
3. In the Value Pattern editor, type:

`(\w{3})(\d{8})`

4. In the Output Format editor, type:

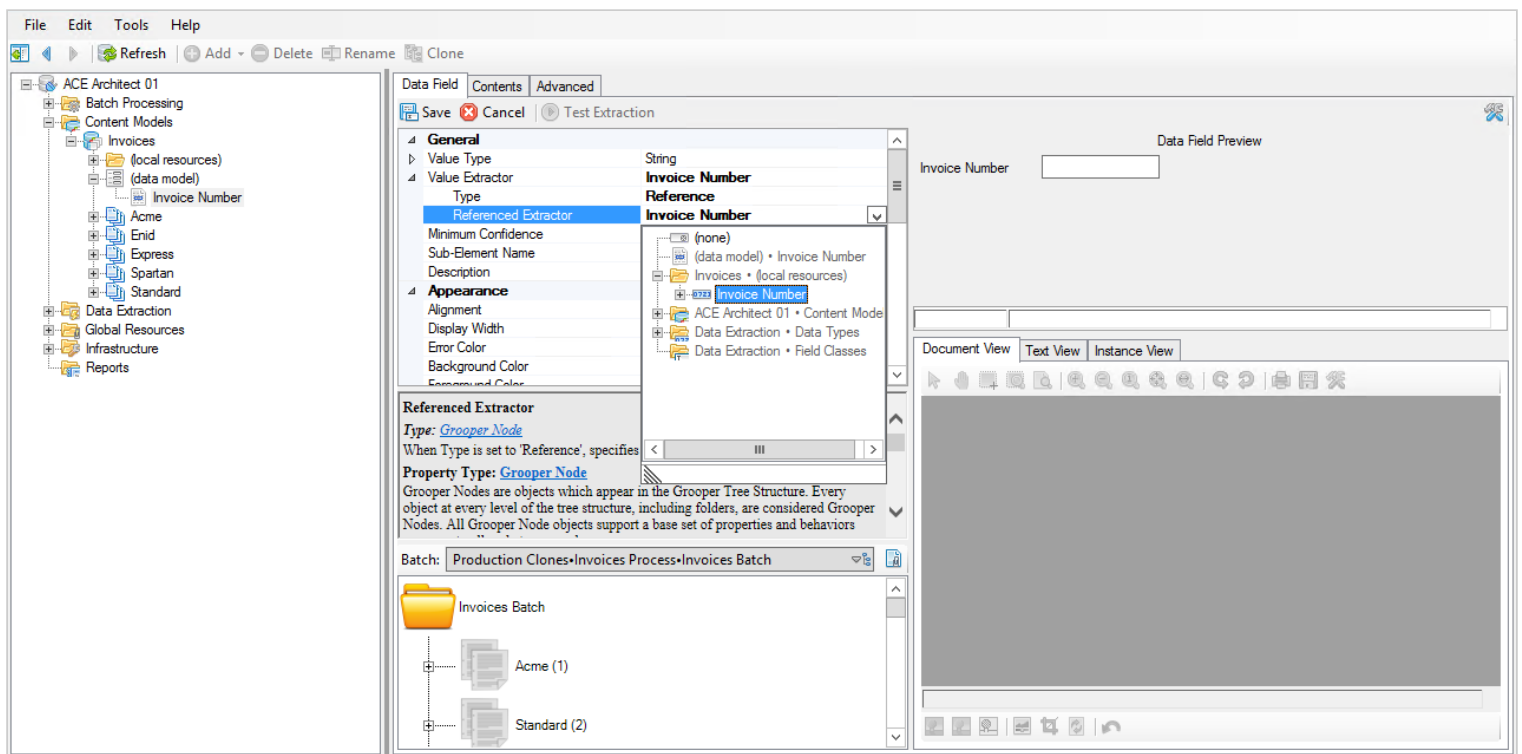
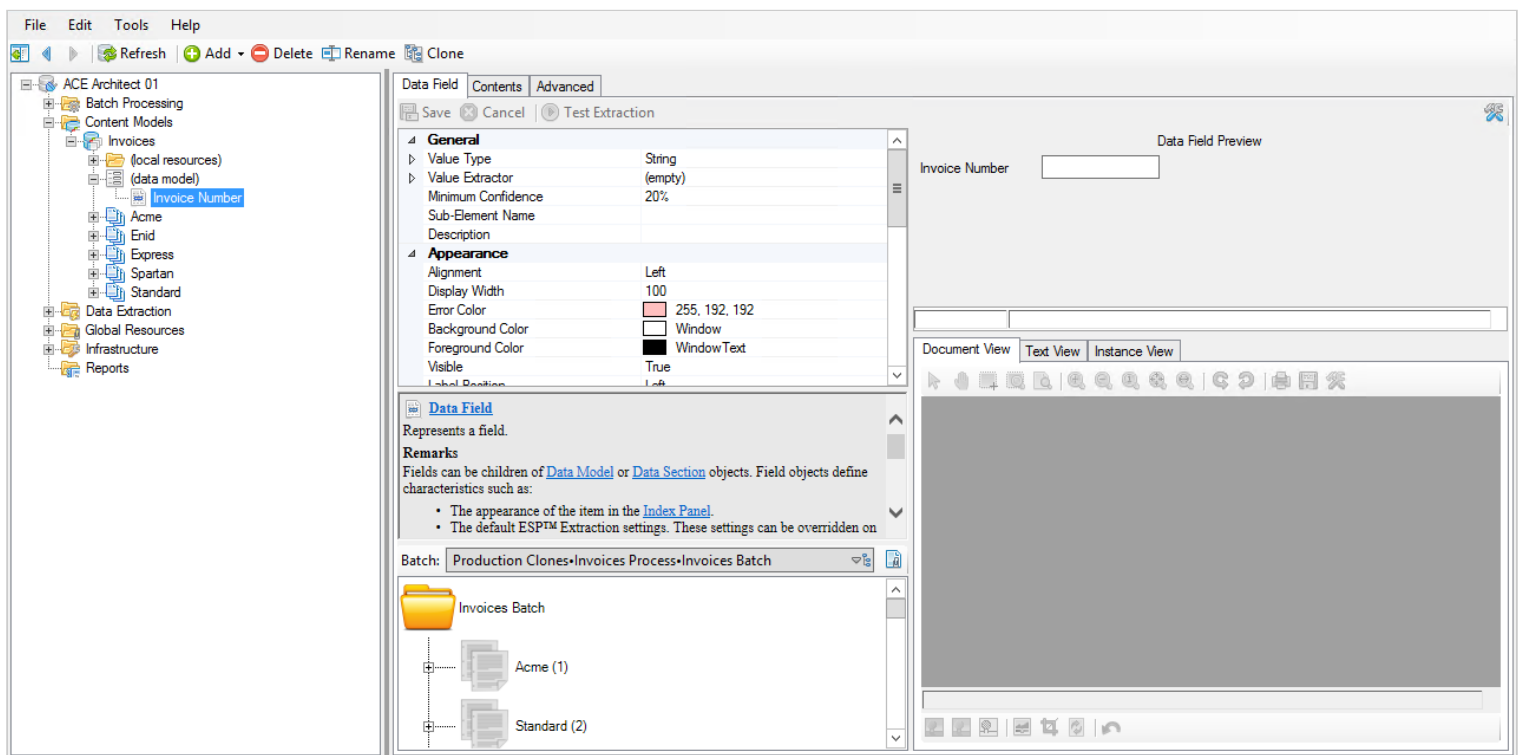
`{1} {2}`

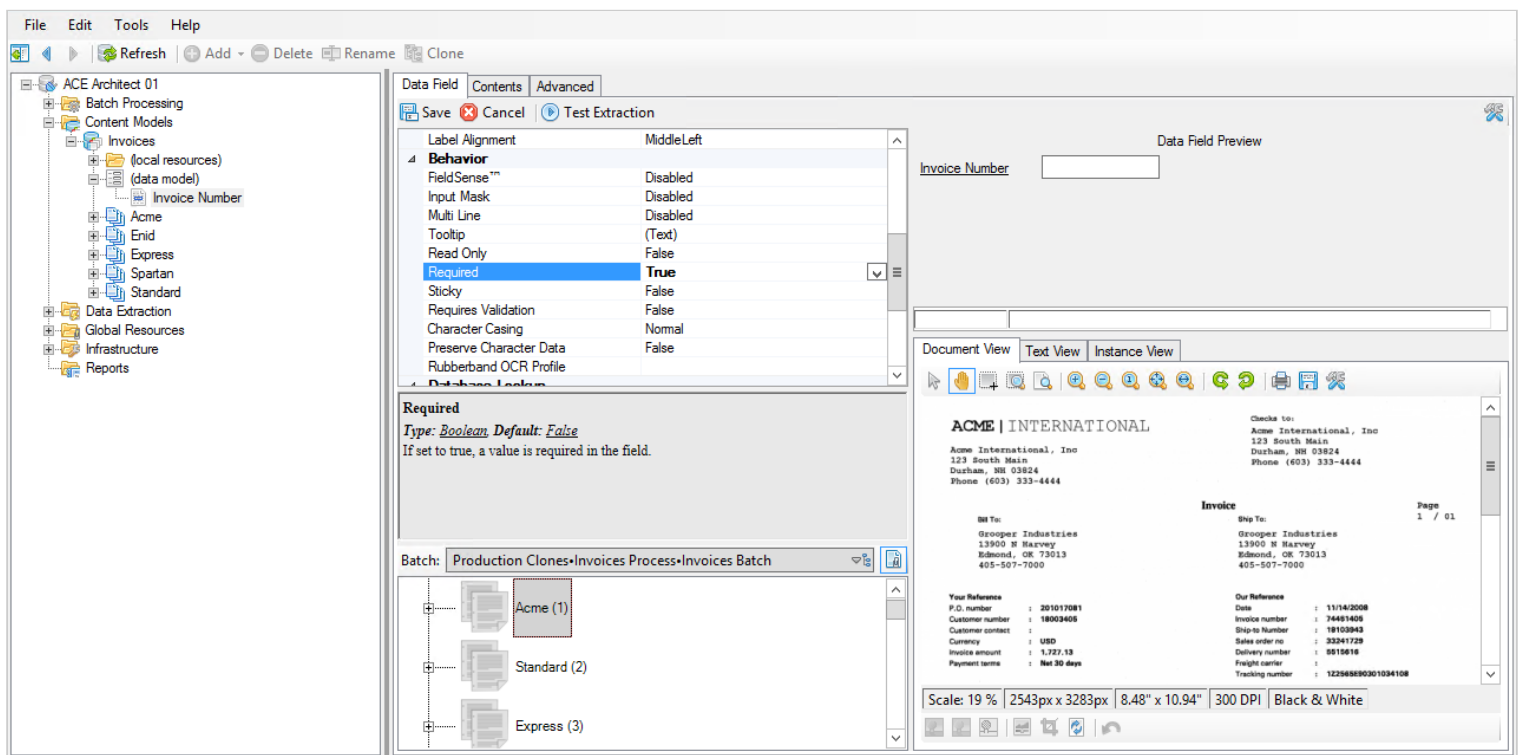


Linking the extractor to the field

Step 1

1. In the Invoices Content Model, navigate to (data model) > Invoice Number
2. In the General section, expand the Value Extractor property
3. Set the Value Extractor > Type property to Reference
4. Set the Value Extractor > Referenced Extractor property to the Invoices > Invoice Number Data Type
5. In the Behavior section, set the Required property to **True**



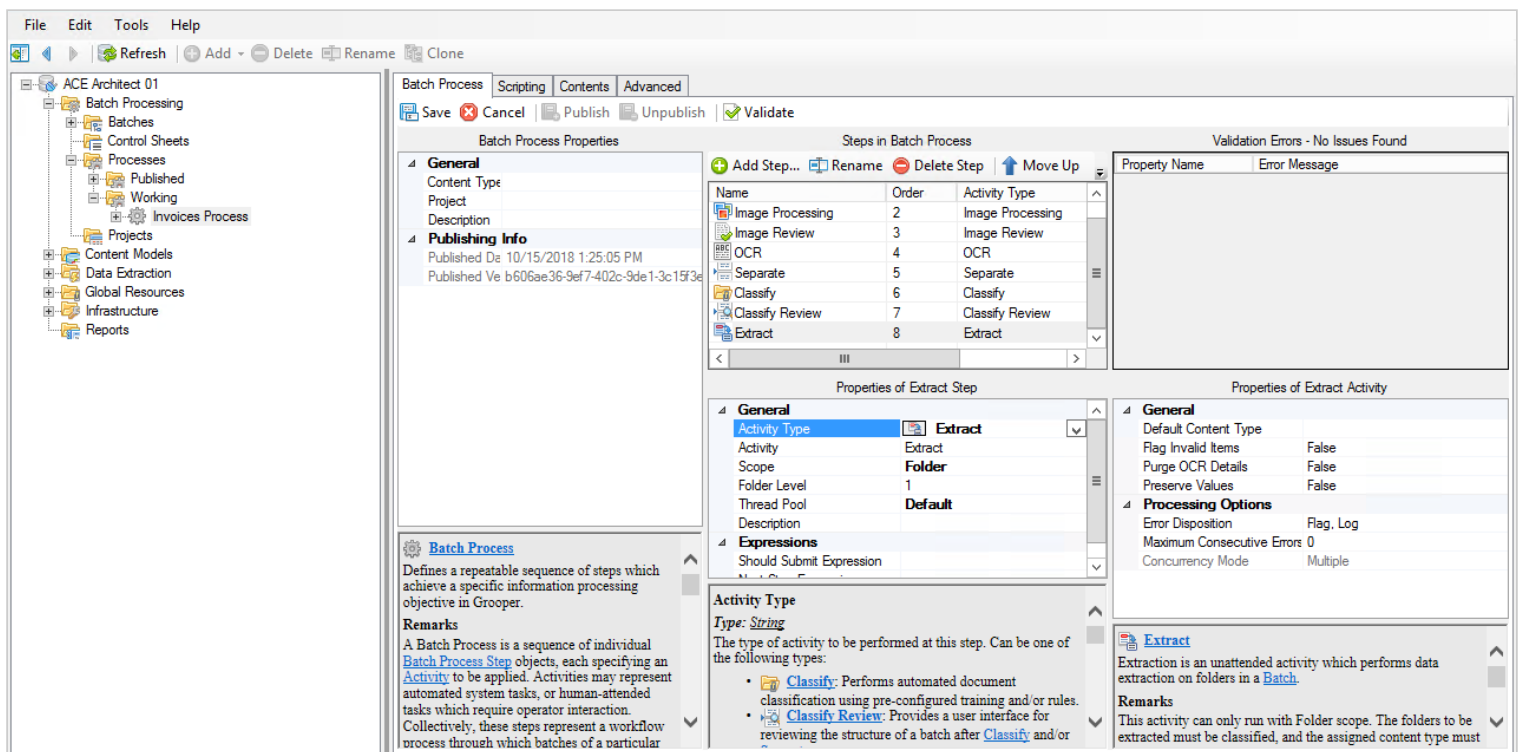
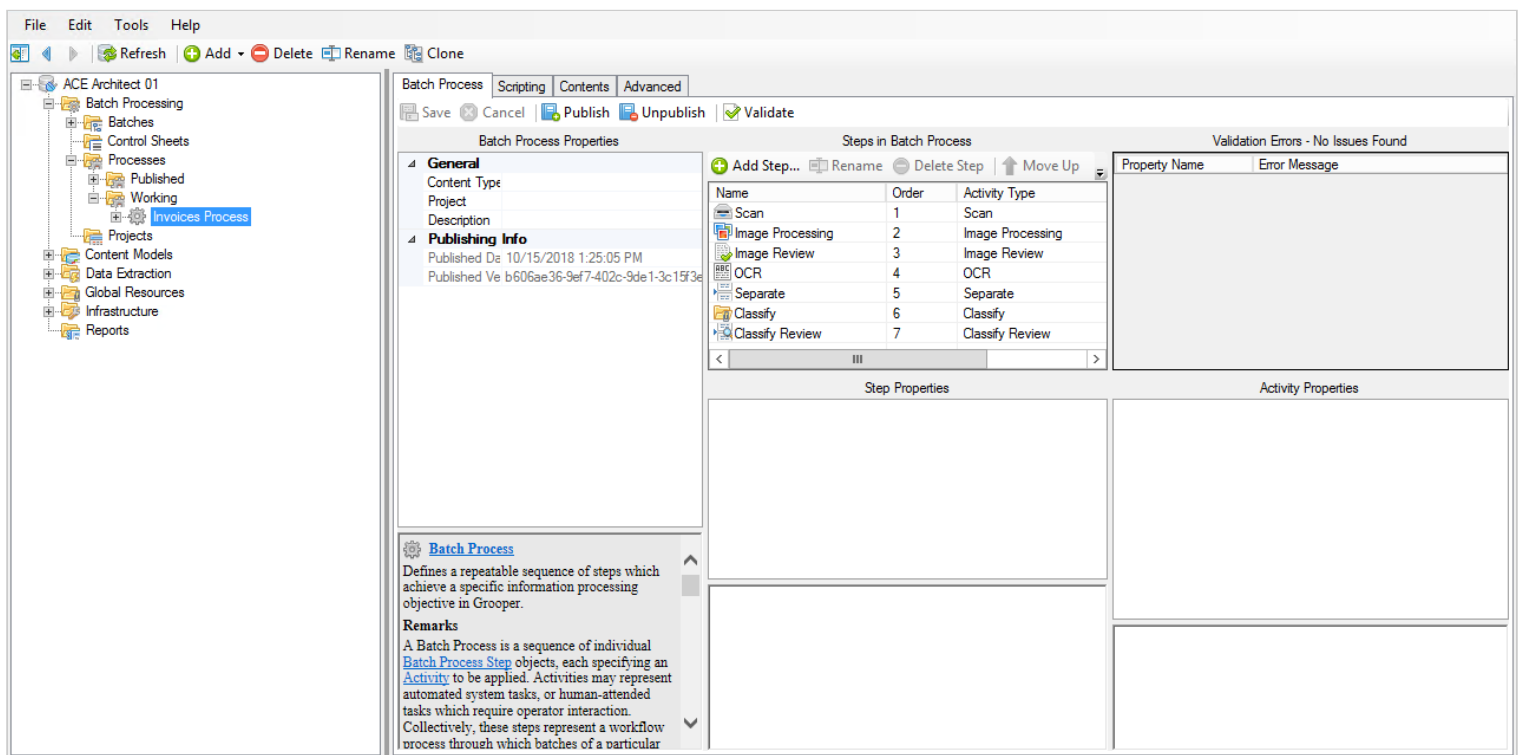


Extraction & Data Review

Adding Extract and Data Review steps

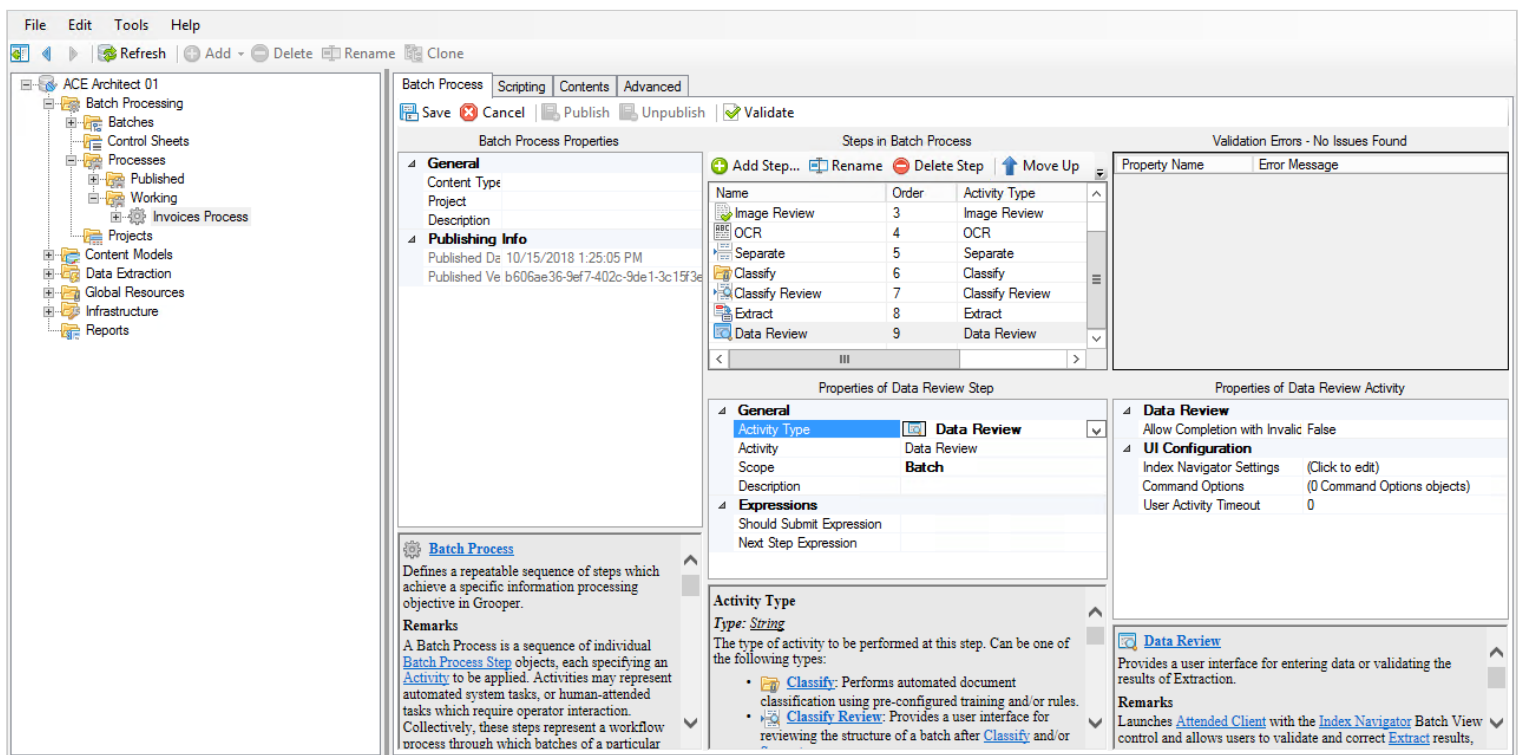
Step 1

1. Navigate to (root) > Batch Processing > Processes > Working > Invoices Process
2. Add a new step
3. Set the Activity Type property of the new step to **Extract**



Step 2

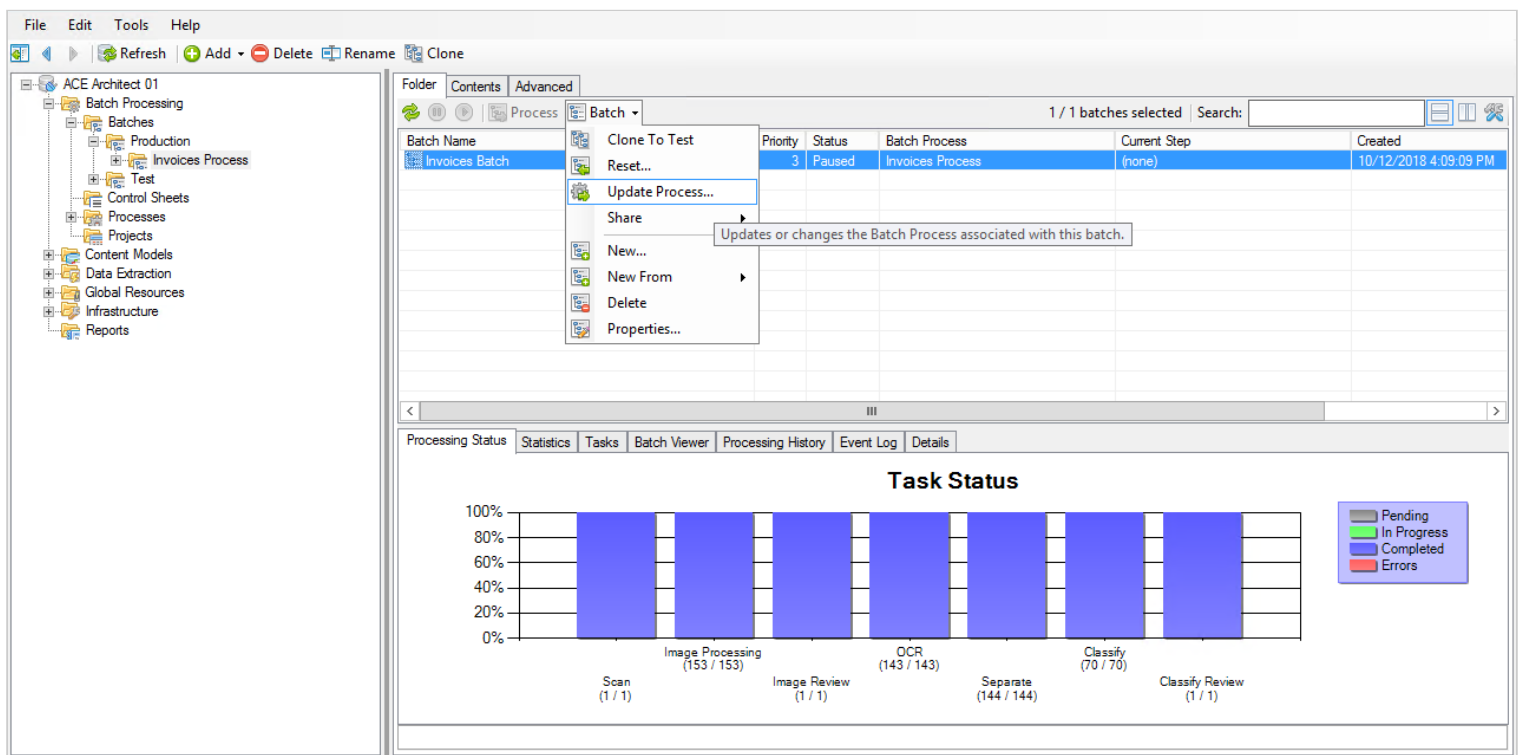
1. Add a new step
2. Set the Activity Type property of the new step to **Data Review**
3. Save and Publish



Updating the production batch

Step 1

1. Navigate to (root) > Batch Processing > Batches > Production > Invoices Process
2. Make sure the batch is paused
3. Right click on the Invoices Batch and select Update Process...
4. Set Target Step to **Extract**
5. Click Execute



Update Process

Execute Cancel

General

Target Step

Extract

(none)
Invoices Process
Scan
Image Processing
Image Review
OCR
Separate
Classify
Classify Review
Extract
Data Review

Target Step
Type: [Batch Process Step](#)
The [Batch Process Step](#) where the batch should begin processing.

Remarks
The batch will be updated to use the latest published version of the parent [Batch Process](#).

Property Type: [Batch Process Step](#)
Represents a logical step in a [Batch Process](#). A Batch Process Step defines an activity to be performed as part of a batch process. A step can fall into two broad categories:

Step 2

1. Resume the batch
2. Click Process

The screenshot shows the 'Grooper Unattended Client' window. The 'General' tab is selected, displaying configuration details for the 'Invoices Batch'. The 'Batch Process' is set to 'Extract'. The 'Status' is 'Running'. The 'Threads Running' are 1. The 'Start Time' is 2:24 PM. The 'Time Elapsed' is 00:00:02. The 'Tasks Completed' are 51. The 'Errors' are 0. The 'Tasks/Minute' is 1,112.71. The 'Est. Time Remaining' is 00:00:00.

The 'Unattended Client Configuration' section provides settings for the 'Grooper Unattended Client' application. It includes links for 'Thread Pool', 'Batch', and 'See Also'.

The progress bar shows the status of various tasks. The tasks are: Scan (1 / 1), Image Processing (153 / 153), Image Review (1 / 1), OCR (143 / 143), Separate (144 / 144), Classify (70 / 70), Classify Review (1 / 1), Extract* (61 / 70), and Data Review (0 / 0). The 'Extract*' task is currently in progress, while the others are completed.

Task	Progress
Scan (1 / 1)	Completed
Image Processing (153 / 153)	Completed
Image Review (1 / 1)	Completed
OCR (143 / 143)	Completed
Separate (144 / 144)	Completed
Classify (70 / 70)	Completed
Classify Review (1 / 1)	Completed
Extract* (61 / 70)	In Progress
Data Review (0 / 0)	Pending

The screenshot shows the 'Grooper Unattended Client' window. The 'Batch Name' is 'Invoices Batch'. The 'Priority' is 3. The 'Status' is 'Ready'. The 'Batch Process' is 'Invoices Process'. The 'Current Step' is 'Data Review'. The 'Created' date is 10/12/2018 4:09:09 PM.

The 'Task Status' bar shows the status of various tasks. The tasks are: Scan (1 / 1), Image Processing (153 / 153), Image Review (1 / 1), OCR (143 / 143), Separate (144 / 144), Classify (70 / 70), Classify Review (1 / 1), Extract (70 / 70), and Data Review* (0 / 1). The 'Data Review*' task is currently in progress, while the others are completed.

Task	Progress
Scan (1 / 1)	Completed
Image Processing (153 / 153)	Completed
Image Review (1 / 1)	Completed
OCR (143 / 143)	Completed
Separate (144 / 144)	Completed
Classify (70 / 70)	Completed
Classify Review (1 / 1)	Completed
Extract (70 / 70)	Completed
Data Review* (0 / 1)	In Progress

Reviewing extraction results

E3 15 Step 1

1. After the Extract step has completed, click Process to start the Data Review step
2. In Grooper Data Review, press Ctrl + I on your keyboard

Processing Task Batch Help

Start Stop Open Task... Close Task Complete Task New Batch...

7 of 70 Spartan (7)

Invoice Number

General

Batch Process Name Invoices Process
Batch Name Invoices Batch
Batch Open Time 00:01:36
Invalid Document Count 3

Data Review

Scale: 32 % | 2752px x 3424px | 9.17" x 11.41" | 300 DPI | Black & White

Spartan Manufacturing
12 West Laguna Dr
Irvine, CA 92612

Phone: (800) 111-22222
Fax: (308) 333-1182

INVOICE

SHIP TO (SAME AS "SOLD TO" UNLESS SHOWN)
Grooper Industries
13900 N Harvey
Edmond, OK 73013

SOLD TO
Grooper Industries
13900 N Harvey
Edmond, OK 73013

REMIT TO:
Spartan Manufacturing
12 West Laguna Dr
Irvine, Ca, 92612

INVOICE DATE
12/10/08 ORIGINAL
INVOICE NUMBER
MI05-465904

PO / RELEASE NUMBER
710015126

ENT BY: MI054401 TAKEN BY: JC PAGE 1 OF 1

ORDER DATE	TERMS	SHIP DATE	SHIP VIA	ACCT NUMBER	F.O.B.
12/09/08	1% 10&25th NET 30	12/10/08	MOTOR FREIGHT UPS GROUND SERVICE	200345-01	FOB ORG, FRT PPA

ORDER DATE	OCN	COMMENTS
12/12/08	OCN: 237349	

LINE	VEN	MINO	CUSTOMER INFORMATION	CUST PO ITEM	QUANTITIES	UNIT PRICE	UNIT	NET AMOUNT
					ORDER	BQ	SHIPPED	
1	00086	X 10163	70.10 DXP CYLINDER PNEU & HYD CYLINDERS		2	0	2	157.690 EA 315.38

THANK YOU FOR YOUR ORDER

Settings...

E3
15 Step 2

1. Fix the issue with the field
2. Use Ctrl + I to jump to the next document with an issue
3. Repeat until all documents are valid
4. In the toolbar, click the Complete Task button

ProcessingTaskBatchHelp

StartStopOpen Task...Close TaskComplete TaskNew Batch...

7 of 70Spartan (7)

Invoice NumberMI05-465904

No IssuesField is OK

General

Batch Process NameInvoices Process

Batch NameInvoices Batch

Batch Open Time00:19:30

Invalid Document Count3

Data Review

Field Subhead

INVOICE DATE

12/10/08 ORIGINAL

INVOICE NUMBER

MI05-465904

PO / RELEASE NUMBER

Scale: 155 %2752px x 3424px9.17" x 11.41"300 DPIBlack & White

ProcessingTaskBatchHelp

StartStopOpen Task...Close TaskComplete TaskNew Batch...

38 of 70ACE Architect 01•Batch Processing•Bar

Invoice Number

1 IssueValue is required.

General

Batch Process NameInvoices Process

Batch NameInvoices Batch

Batch Open Time00:20:34

Invalid Document Count3

Data Review

Field Subhead

STANDARD

Products

19658 South Frisk

Oklahoma City, OK 73102

SHIP TO

Grooper Industries

13900 N Harvey

Edmond, OK 73013

405-507-7000

BILL TO

Grooper Industries

13900 N Harvey

Edmond, OK 73013

405-507-7000

THANK YOU !

ORIGINAL INVOICE

ACCOUNT NUMBER863309308

INVOICE NUMBER9770919703

INVOICE DATE11/03/2008

DUE DATE12/03/2008

AMOUNT DUE791.10

PO NUMBER:951001335

PO LINE #ITEM #DESCRIPTIONQUANTITYBACK ORDEREDUNIT PRICETOTAL

2FCA1WALL AIR CONDITIONER, COOL HEAT, 14000BTUH MANUFACTURER # FAH14E21791.10791.10

Scale: 32 %2746px x 3424px9.15" x 11.41"300 DPIBlack & White

Processing Task Batch Help

Start Stop Open Task... Close Task Complete Task New Batch...

62 of 70 ACE Architect 01•Batch Processing•Bar

Invoice Number WI02-439254

1 Issue Field is OK

General

Batch Process Name Invoices Process

Batch Name Invoices Batch

Batch Open Time 00:21:59

Invalid Document Count 2

Data Review

Field Subheader

Spartan
Manufacturing
12 West Laguna Dr
Irvine, CA 92612
Phone: (800) 111-22222
Fax: (308) 333-1182

INVOICE

SHIP TO (SAME AS "SOLD TO" UNLESS SHOWN)
Grooper Industries
13900 N Harvey
Edmond, OK 73013

INVOICE DATE 11/04/08 ORIGINAL
INVOICE NUMBER **WI02-439254**
PO / RELEASE NUMBER 951001340

SOLD TO
Grooper Industries
13900 N Harvey
Edmond, OK 73013

REMIT TO:
Spartan Manufacturing
12 West Laguna Dr
Irvine, Ca, 92612

ENT BY: WI025190 TAKEN BY: WB PAGE 1 OF 1

ORDER DATE	TERMS	SHIP DATE	SHIP VIA	ACCT NUMBER	FOB
11/03/08	1% 10&25thNET 30	11/04/08	OUR TRUCK	101270-01	ORG, FRT PREPAID

ORDER DUE DATE	OCN	COMMENTS
11/04/08	416611	(UPS #F8034X) (SHIP ORDERS COMPLETE!!)

LINE	VEN	MIND	DESCRIPTION	CUSTOMER INFORMATION	CUST PO ITEM	QUANTITIES	UNIT PRICE	UNIT	NET AMOUNT
1	00825	T	04623			ORDER 1 BTO 0 SHIPPED 1	9.360	E	9.36
15123 CONE STD.HI-VOLUME TAPERS IL30=1									

Scale: 32 % 2753px x 3427px 9.18" x 11.42" 300 DPI Black & White

Processing Task Batch Help

Start Stop Open Task... Close Task Complete Task New Batch...

62 of 70 ACE Architect 01•Batch Processing•Bar

Invoice Number WI02-439254

No Issues Field is OK

General

Batch Process Name Invoices Process

Batch Name Invoices Batch

Batch Open Time 00:22:56

Invalid Document Count 0

Data Review

Field Subheader

Spartan
Manufacturing
12 West Laguna Dr
Irvine, CA 92612
Phone: (800) 111-22222
Fax: (308) 333-1182

INVOICE

SHIP TO (SAME AS "SOLD TO" UNLESS SHOWN)
Grooper Industries
13900 N Harvey
Edmond, OK 73013

INVOICE DATE 11/04/08 ORIGINAL
INVOICE NUMBER **WI02-439254**
PO / RELEASE NUMBER 951001340

SOLD TO
Grooper Industries
13900 N Harvey
Edmond, OK 73013

REMIT TO:
Spartan Manufacturing
12 West Laguna Dr
Irvine, Ca, 92612

ENT BY: WI025190 TAKEN BY: WB PAGE 1 OF 1

ORDER DATE	TERMS	SHIP DATE	SHIP VIA	ACCT NUMBER	FOB
11/03/08	1% 10&25thNET 30	11/04/08	OUR TRUCK	101270-01	ORG, FRT PREPAID

ORDER DUE DATE	OCN	COMMENTS
11/04/08	416611	(UPS #F8034X) (SHIP ORDERS COMPLETE!!)

LINE	VEN	MIND	DESCRIPTION	CUSTOMER INFORMATION	CUST PO ITEM	QUANTITIES	UNIT PRICE	UNIT	NET AMOUNT
1	00825	T	04623			ORDER 1 BTO 0 SHIPPED 1	9.360	E	9.36
15123 CONE STD.HI-VOLUME TAPERS TL30=1 CPNO: 114027									

Scale: 31 % 2753px x 3427px 9.18" x 11.42" 300 DPI Black & White

