

Collect

Invoice Date

> Content Models / Invoices / (data model) 

1. Right click and select **Contents → Add Multiple Items...**.
2. In the **Contents • Add Multiple Items** window, change the following property value(s):

| Property | Default Value | New Value |
|------------|---------------|---|
| General | | |
| Item Names | - | Invoice Number PO Number Invoice Date Freight Sales Tax Discount Invoice Amount Payment Terms Ship To Remit To |

3. Press **Execute**.

ACE Architect 02

Data Model Extraction Testing Scripting Contents Advanced

General
Show Content Type False
Multi-Level Display
Show Level Header True
Level Header Alignment MiddleLeft
Level Header Background Color Control
Level Header Foreground Color ControlText
Contents
Creates multiple items as children of the selected object.
Child Element Options
Child Label Width
Show Fields In Grid False
Appearance
Background Color Control

Data Model
Defines the data elements for a content type.

Remarks
A Data Model is a hierarchy of [Data Section](#), [Data Field](#), [Data Table](#), and [Data Column](#) objects which define the internal data structure of a content type. A Data Model can be as simple as a list of fields (i.e. Invoice Date, Invoice Number, Invoice Amount, and PO Number), or can be a complex hierarchy of sections.

Batch: Invoices

Data Model Preview

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice
Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Our Reference
Date : 11/14/2008
Invoice number : 74461405
Customer number : 18003405
Customer contact :
Currency : USD
Invoice amount : 1,727.13
Payment terms : Net 30 days

Scale: 19 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

ACE Architect 02

Data Model Extraction Testing Scripting Contents Advanced

Contents • Add Multiple Items

General
Item Type Item Names
0 entries

| |
|----------------|
| Invoice Number |
| PO Number |
| Invoice Date |
| Freight |
| Sales Tax |
| Discount |
| Invoice Amount |
| Payment Terms |
| Ship To |
| Remit To |

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.

Data Model Preview

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice
Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

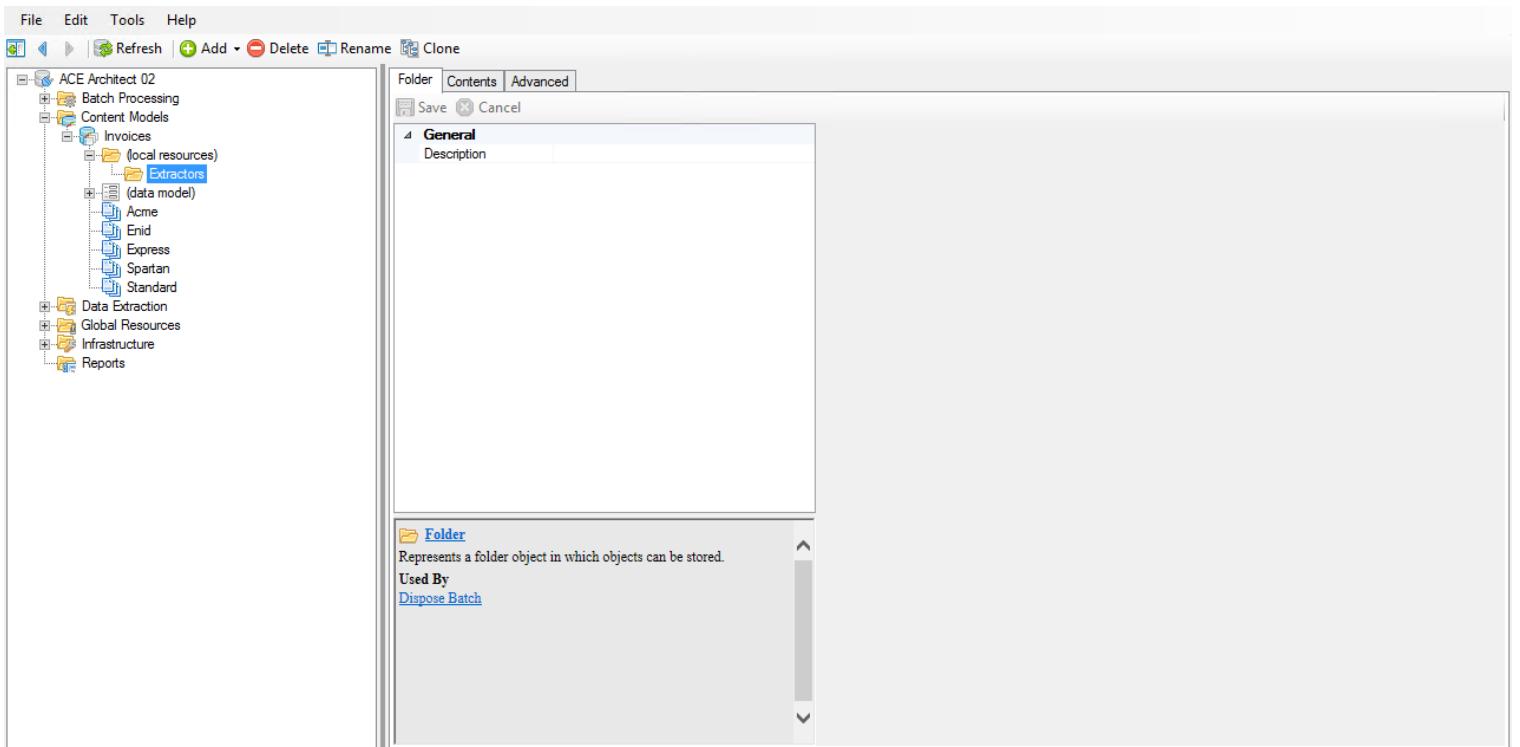
Our Reference
Date : 11/14/2008
Invoice number : 74461405
Customer number : 18003405
Customer contact :
Currency : USD
Invoice amount : 1,727.13
Payment terms : Net 30 days

Scale: 19 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

> Content Models / Invoices / (local resources)

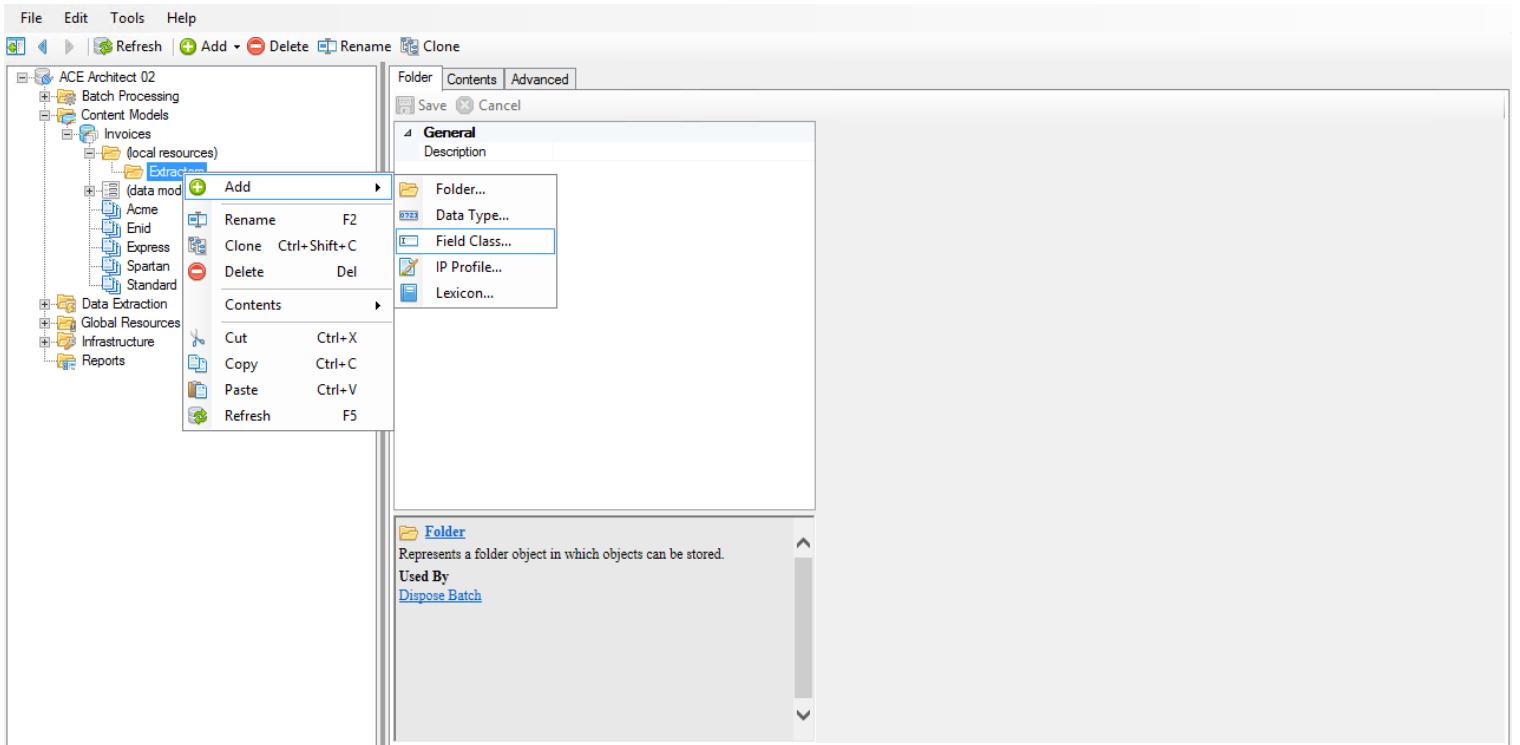
1. Right click and select Add → Folder... .

2. Name it **Extractors** .



> Content Models / Invoices / (local resources) / Extractors

1. Right click and select Add → Field Class... .
2. Name it **Invoice Date**.



File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Invoice Date
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 0 results in 0 ms

General

- Value Type String
- Value Extractor (empty)
- Feature Extractor (empty)
- Description

Context Scope Options

- Context Scope Zonal
- Context Zones (2 Rectangle objects)
- Exclusion Extractor (empty)
- GeoTag Features False

Classifier Tuning

- Minimum Feature Count 0
- Training Threshold 0%
- Use Class Frequency False
- Sublinear TF Scaling False
- Smooth IDF True

Image View Text View

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference

P.O. number : 201017081
Customer number : 18003405
Customer contact :

Our Reference

Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943

Scale: 28 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0 | Language:

| Feature | Count | CWF | CTC | CF | TF | IDF | Weight |
|---------|-------|-----|-----|----|----|-----|--------|
| | | | | | | | |

> Content Models / Invoices / (local resources) / Extractors / **Invoice Date**

Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|-----------|
| General | | |
| Value Extractor | | |
| → Type | none | Reference |
| → Referenced Extractor | - | Date |

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Invoice Date
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 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

0 results in 0 ms

General

Value Type String
Value Extractor Date
Type Reference
Referenced Extractor Date

Image View Text View

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

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

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943

Scale: 28 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0 | Language:

| Feature | Count | CWF | CTC | CF | TF | IDF | Weight |
|---------|-------|-----|-----|----|----|-----|--------|
| | | | | | | | |

> Content Models / Invoices / (local resources) / Extractors / **Invoice Date** 

Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|-----------|
| General | | |
| → Type | none | Reference |
| → Referenced Extractor | - | Phrases |

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
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- Spartan
- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

Image View Text View

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943

Scale: 28 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0 | Language:

| Feature | Count | CWF | CTC | CF | TF | IDF | Weight |
|---------|-------|-----|-----|----|----|-----|--------|
| | | | | | | | |

> Content Models / Invoices / (local resources) / Extractors / **Invoice Date**

- Select Acme (1).
- Press Run Extraction.
- In the candidate list, right click on the **11/14/2008** value and select Train As Positive.

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
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- (data model)
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- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

Image View Text View

1 results in 748 ms

ACME | INTERNATIONAL

Phone (603) 333-4444

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Delivery number : 5515616
Freight carrier :
Tracking number : 1Z2565E90301034108

Scale: 28 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 1 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 1.000000

| Feature | Count | CWF | CTC | CF | TF | IDF | Weight |
|------------|-------|-----|----------|----------|----------|-----|--------|
| 11/14/2008 | 1 | 0 | 1.000000 | 1.000000 | 1.000000 | | |

Value Page Confidence

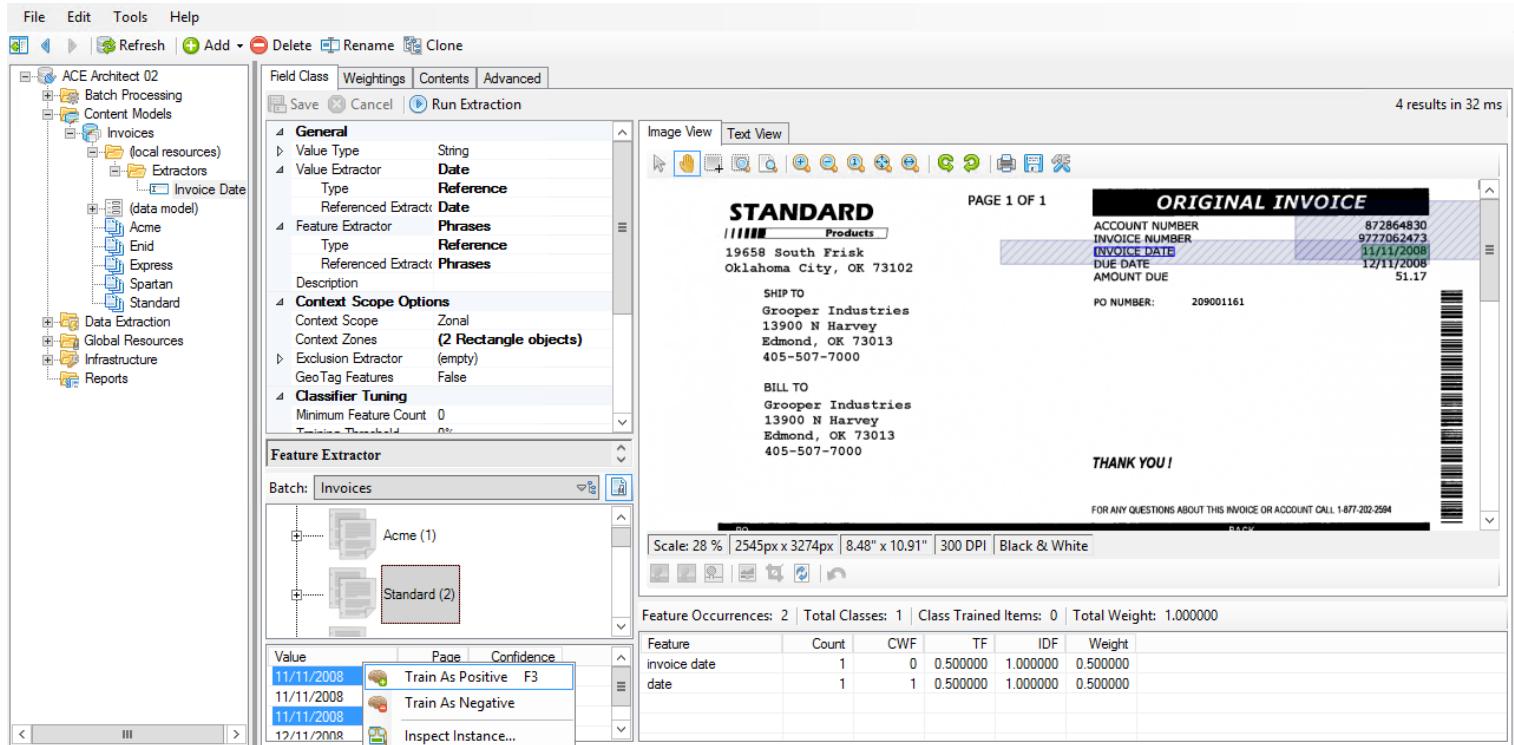
11/14/2008 1 Train As Positive F3

Train As Negative

Inspect Instance...

> Content Models / Invoices / (local resources) / Extractors / **Invoice Date** 

1. Select **Standard (2)**.
2. Select both of the **11/11/2008** candidates that have correct features.
3. Right click on either of them and select **Train As Positive**.



The screenshot shows the ACE Architect 02 interface. On the left, the project tree includes 'ACE Architect 02', 'Batch Processing', 'Content Models' (selected), 'Invoices' (selected), '(local resources)', 'Extractors' (selected), 'Invoice Date', and '(data model)' containing 'Acme', 'Enid', 'Express', 'Spartan', and 'Standard'. The main workspace shows the 'Extractor' configuration for 'Invoice Date'. Under 'General', 'Value Type' is 'String', 'Value Extractor' is 'Date', 'Type' is 'Reference', and 'Referenced Extract' is 'Date'. 'Feature Extractor' is set to 'Phrases' with 'Type' as 'Reference' and 'Referenced Extract' as 'Phrases'. 'Context Scope Options' show 'Context Scope' as 'Zonal' and 'Context Zones' as '(2 Rectangle objects)'. 'Classifier Tuning' shows 'Minimum Feature Count' as 0. The 'Feature Extractor' panel shows a batch named 'Invoices' with two items: 'Acme (1)' and 'Standard (2)', where 'Standard (2)' is highlighted. The 'Value' column lists '11/11/2008', '11/11/2008', '11/11/2008', and '12/11/2008'. The 'Page' column shows 'Train As Positive F3' for the first two rows. The 'Confidence' column shows '58.1689%' for the first row. A preview window on the right displays an 'ORIGINAL INVOICE' document with fields like 'ACCOUNT NUMBER', 'INVOICE NUMBER', 'INVOICE DATE', 'DUE DATE', and 'AMOUNT DUE'. Below the preview is a 'THANK YOU!' message and a barcode.

> Content Models / Invoices / (local resources) / Extractors / **Invoice Date** 

1. Select **Express (3)**.
2. Right click on the **12/2/2008** candidate with **58.1689%** confidence and select **Train As Positive**.

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Invoice Date
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 4 results in 44 ms

General

- Value Type String
- Value Extractor Date
- Type Reference
- Referenced Extract Date

Feature Extractor Phrases

- Type Reference
- Referenced Extract Phrases
- Description

Context Scope Options

- Context Scope Zonal
- Context Zones (2 Rectangle objects)
- Exclusion Extractor (empty)
- GeoTag Features False

Classifier Tuning

- Minimum Feature Count 0
- Training Threshold 0.0

Feature Extractor

Batch: Invoices

Standard (2) Express (3)

| Value | Page | Confidence |
|------------|------|---------------------|
| 12/2/2008 | 1 | Train As Positive |
| 12/12/2008 | 1 | Train As Negative |
| 12/2/2008 | 1 | Inspect Instance... |
| 1/1/2009 | 1 | |

Image View Text View

EXPRESS Dallas, TX

Invoice Number: 16862865
Invoice Date: 12/2/2008
Purchase Order: 710015038
Invoice Total: \$216.80
Date Due: 1/1/2009
Mail Payment To: Express Manufacturing
12333 N Dallas Tollway
Dallas, TX 75032
You may deduct \$4.34 if paid on or before 12/12/08.

Shipped To: Grooper Industries

Scale: 28 % | 2498px x 3285px | 8.33" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 1 | Total Classes: 5 | Class Trained Items: 0 | Total Weight: 0.778151

| Feature | Count | CWF | TF | IDF | Weight |
|---------|-------|----------|----------|----------|--------|
| date | 1 | 1.000000 | 0.778151 | 0.778151 | |

> Content Models / Invoices / (local resources) / Extractors / **Invoice Date** 

1. Select Spartan (4).
2. In the Context Zone Options section, click to edit the Context Zones.

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Invoice Date
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 3 results in 31 ms

General

- Value Type String
- Value Extractor Date
- Type Reference
- Referenced Extract Date

Feature Extractor Phrases

- Type Reference
- Referenced Extract Phrases
- Description

Context Scope Options

- Context Scope Zonal
- Context Zones (2 Rectangle objects)
- Exclusion Extractor (empty)
- GeoTag Features False

Classifier Tuning

- Minimum Feature Count 0
- Training Threshold 0.0

Context Zones

Batch: Invoices

Express (3) Spartan (4)

| Value | Page | Confidence |
|------------|------|------------|
| 11/10/2008 | 1 | 24.5478 % |
| 11/10/2008 | 1 | 0.0000 % |
| 11/10/2008 | 1 | 0.0000 % |

Image View Text View

INVOICE

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

INVOICE DATE 11/10/08 ORIGINAL
INVOICE NUMBER MA20-552100
PO / RELEASE NUMBER 201011309
REMIT TO:

SOLD TO

Scale: 43 % | 2552px x 3276px | 8.51" x 10.92" | 300 DPI | Black & White

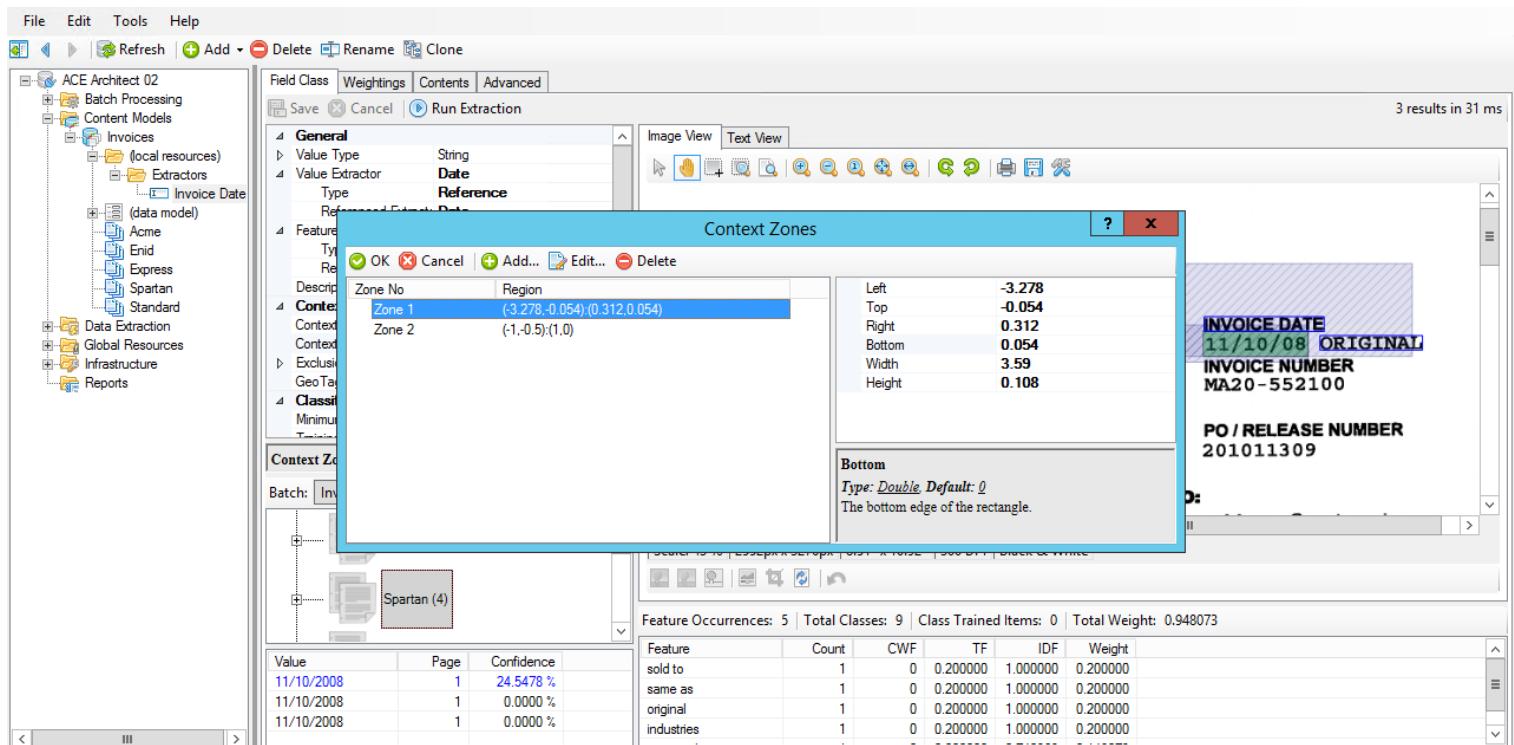
Feature Occurrences: 5 | Total Classes: 9 | Class Trained Items: 0 | Total Weight: 0.948073

| Feature | Count | CWF | TF | IDF | Weight |
|------------|-------|----------|----------|----------|--------|
| sold to | 1 | 0.200000 | 1.000000 | 0.200000 | |
| same as | 1 | 0.200000 | 1.000000 | 0.200000 | |
| original | 1 | 0.200000 | 1.000000 | 0.200000 | |
| industries | 1 | 0.200000 | 1.000000 | 0.200000 | |

1. In the **Context Zones** window, edit the dimensions as follows:

| Property | Zone 1 | Zone 2 |
|----------|--------|--------|
| Left | -3.278 | -0.67 |
| Top | -0.054 | -0.67 |
| Right | 0.312 | 0.5 |
| Bottom | 0.054 | 0.04 |

1. Press **OK**.



The screenshot shows the ACE Architect software interface with the following details:

- File Bar:** File, Edit, Tools, Help.
- Toolbar:** Refresh, Add, Delete, Rename, Clone.
- Content Tree:** ACE Architect 02, Batch Processing, Content Models (selected), Invoices (local resources), Extractors, Invoice Date (selected).
- Main Window:**
 - Field Class Tab:** Shows General settings for Value Type (String), Value Extractor (Date), and Feature Type (Region).
 - Image View:** Displays a portion of an invoice document with text like "INVOICE DATE 11/10/08 ORIGINAL", "INVOICE NUMBER MA20-552100", and "PO / RELEASE NUMBER 201011309".
 - Text View:** Shows the extracted text "11/10/08" and "201011309".
 - Context Zones Dialog:** A modal window titled "Context Zones" with the following data:

| | |
|---------|------------------------------|
| Zone No | Region |
| Zone 1 | (-3.278,-0.054)(0.312,0.054) |
| Zone 2 | (-1,-0.5)(1,0) |

 The dialog also lists dimensions: Left (-3.278), Top (-0.054), Right (0.312), Bottom (0.054), Width (3.59), and Height (0.108). A note at the bottom says "Type: Double. Default: 0. The bottom edge of the rectangle.".
 - Feature Occurrences:** 5 | Total Classes: 9 | Class Trained Items: 0 | Total Weight: 0.948073.
 - Feature Table:**

| Feature | Count | CWF | TF | IDF | Weight |
|------------|-------|-----|----------|----------|----------|
| sold to | 1 | 0 | 0.200000 | 1.000000 | 0.200000 |
| same as | 1 | 0 | 0.200000 | 1.000000 | 0.200000 |
| original | 1 | 0 | 0.200000 | 1.000000 | 0.200000 |
| industries | 1 | 0 | 0.200000 | 1.000000 | 0.200000 |

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Invoice Date
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 3 results in 31 ms

General

Value Type String
Value Extractor Date
Type Reference

Context Zones

Zone No Region
Zone 1 (-3.278,-0.054):(0.312,0.054)
Zone 2 (-0.67,-0.37):(0.5,0.04)

Left Top -0.67
Right 0.5
Bottom 0.04
Width 1.17
Height 0.41

INVOICE DATE
11/10/08 ORIGINAL
INVOICE NUMBER
MA20-552100
PO / RELEASE NUMBER
201011309

Feature Occurrences: 5 | Total Classes: 9 | Class Trained Items: 0 | Total Weight: 0.948073

| Feature | Count | CWF | TF | IDF | Weight |
|------------|-------|-----|----------|----------|----------|
| sold to | 1 | 0 | 0.200000 | 1.000000 | 0.200000 |
| same as | 1 | 0 | 0.200000 | 1.000000 | 0.200000 |
| original | 1 | 0 | 0.200000 | 1.000000 | 0.200000 |
| industries | 1 | 0 | 0.200000 | 1.000000 | 0.200000 |

> Content Models / Invoices / (local resources) / Extractors / Invoice Date

- Select Enid (5).
- In the Output section, set the Minimum Confidence property to 70%.

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Invoice Date
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 3 results in 15 ms

Context Scope Options

Context Scope Zonal
Context Zones (2 Rectangle objects)

Exclusion Extractor (empty)

GeoTag Features False

Classifier Tuning

Minimum Feature Count 0
Training Threshold 0%
Use Class Frequency False
Sublinear TF Scaling False
Smooth IDF True

Output

Minimum Confidence 0%
Collation Method Individual
Order By Confidence
Direction Descending

Minimum Confidence

Batch: Invoices

Sparten (4)

Enid (5)

INVOICE

Enid Parts

INVOICE DATE: 12-05-08 INVOICE #: CSI/10076138 PAGE: 1

PH: (405) 555-1212 FAX: (405) 444-2121

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73703

SOLD TO: Grooper Industries
13900 N Harvey
Edmond, OK 73013

SHIP TO: Grooper Industries
13900 N Harvey
Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100040766 | 11-11-08 | 00001410 | 00025 | 010012704 | FYB | 12-01-08 | Net 30 |

Scale: 28 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Feature Occurrences: 1 | Total Classes: 9 | Class Trained Items: 0 | Total Weight: 0.740363

| Feature | Count | CWF | TF | IDF | Weight |
|--------------|-------|-----|----------|----------|----------|
| invoice date | 1 | 2 | 1.000000 | 0.740363 | 0.740363 |

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Invoice Date
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 1 results in 17 ms

Context Scope Options

- Context Scope Zonal
- Context Zones (2 Rectangle objects)
- Exclusion Extractor (empty)
- GeoTag Features False

Classifier Tuning

- Minimum Feature Count 0
- Training Threshold 0%
- Use Class Frequency False
- Sublinear TF Scaling False
- Smooth IDF True

Output

- Minimum Confidence 70%
- Collation Method Individual
- Order By Confidence
- Direction Descending

Minimum Confidence

Batch: Invoices

Value: 12/5/2008 Page: 1 Confidence: 70.7107 %

Image View Text View

Enid Parts

INVOICE

| | | |
|--------------|--------------|------|
| INVOICE DATE | INVOICE # | PAGE |
| 12-05-08 | CSI/10076138 | 1 |

PH: (405) 555-1212
FAX: (405) 444-2121

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73703

SOLD Grooper Industries
TO: 13900 N Harvey
Edmond, OK 73013

SHIP Grooper Industries
TO: 13900 N Harvey
Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100040766 | 11-11-08 | 00001111 | 000225 | 010012724 | FED | 12-07-08 | Net 30 |

Scale: 28% | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Feature Occurrences: 1 | Total Classes: 9 | Class Trained Items: 0 | Total Weight: 0.740363

| Feature | Count | CWF | TF | IDF | Weight |
|--------------|-------|-----|----------|----------|----------|
| invoice date | 1 | 2 | 1.000000 | 0.740363 | 0.740363 |

> Content Models / Invoices / (data model) / **Invoice Date** 

Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|--------------|
| General | | |
| Value Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | Invoice Date |
| Behavior | | |
| Required | False | True |

ACE Architect 02

Content Models

- Batch Processing
- Content Models
- Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date**
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
- Acme
- Enid
- Express
- Spartan
- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field | Contents | Advanced | Save | Cancel | Test Extraction

General

- Value Type: String (empty)
- Minimum Confidence: 20%
- Sub-Element Name:
- Description:

Appearance

- Alignment: Left
- Display Width: 100
- Error Color: 255, 192, 192
- Background Color: Window
- Foreground Color:WindowText
- Visible: True
- Label Position:

Data Field
Represents a field.

Remarks
Fields can be children of [Data Model](#) or [Data Section](#) objects. Field objects define characteristics such as:

- The appearance of the item in the [Index Panel](#).
- The default [ESPTM](#) Extraction settings. These settings can be overridden on individual

Batch: Invoices

Invoice Date

Document View | **Text View** | **Instance View**

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Invoice

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD
Invoiced amount : * * * * *

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Purchase order number : * * * * *

Scale: 21% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

ACE Architect 02

Content Models

- Batch Processing
- Content Models
- Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
- Acme
- Enid
- Express
- Spartan
- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field | Contents | Advanced | Save | Cancel | Test Extraction

General

- Value Type: String
- Value Extractor: **Referenced Extractor**
- Reference: **Invoice Date**

Appearance

- Alignment
- Display Width
- Error Color
- Background Color
- Foreground Color

Referenced Extractor
Type: [Grooper Node](#)
When Type is set to 'Reference', specifies the object to extract from.
Property Type: [Grooper Node](#)
Grooper Nodes are objects which appear in the Grooper Tree Structure. Every object at every level of the tree structure, including folders, are considered Grooper Nodes. All Grooper Node objects support a base set of properties and behaviors common to all node types, such as:

Batch: Invoices

Invoice Date

Document View | **Text View** | **Instance View**

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Invoice

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD
Invoiced amount : * * * * *

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Purchase order number : * * * * *

Scale: 21% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

The screenshot shows the ACE Architect 02 interface. On the left, there's a tree view of content models, including 'Batch Processing', 'Content Models' (selected), 'Invoices' (selected), and 'local resources' (data model). In the center, a dialog box for 'Data Field' is open, showing settings like 'Label Alignment' (MiddleLeft) and 'Behavior'. The 'Required' checkbox is checked. On the right, a 'Data Field Preview' shows a text input field labeled 'Invoice Date'. Below it, a 'Document View' window shows a sample document with shipping details:

```

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD
Invoice amount : 1,727.13
Payment terms : Net 30 days

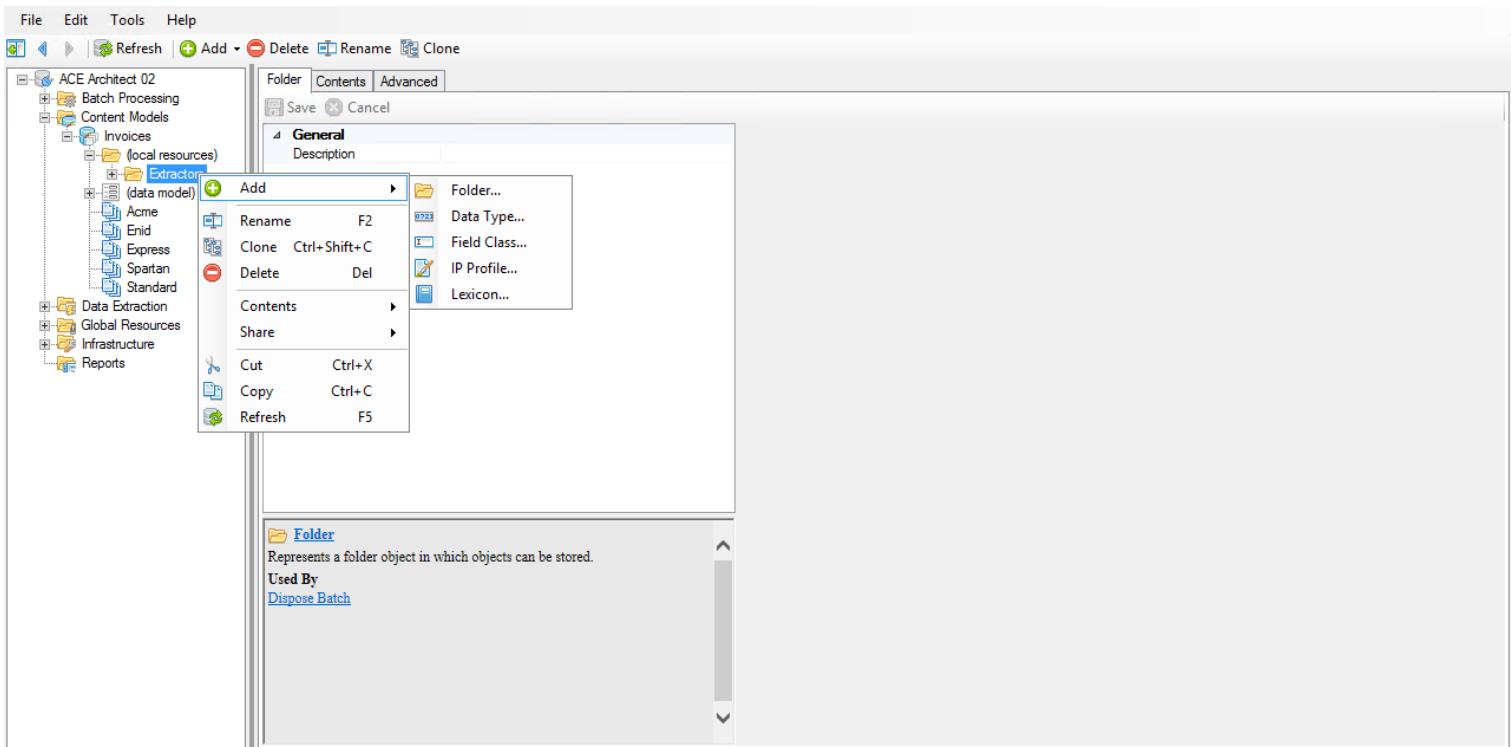
Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sale Number : 3241729
Delivery number : 5515616
Freight carrier :
Tracking number : 122565E90301034108

```

Ship To

> Content Models / Invoices / (local resources) / Extractors

1. Right click and select Add → Field Class... .
2. Name it **Ship To** .



File Edit Tools Help

ACE Architect 02

Batch Processing Content Models Invoices (local resources) Extractors (data model) Acme Enid Express Spartan Standard Data Extraction Global Resources Infrastructure Reports

Field Class Save Cancel Run Extraction

0 results in 0 ms

General

- Value Type: String
- Value Extractor: (empty)
- Feature Extractor: (empty)
- Description:

Context Scope Options

- Context Scope: Zonal
- Context Zones: (2 Rectangle objects)
- Exclusion Extractor: (empty)
- GeoTag Features: False

Classifier Tuning

- Minimum Feature Count: 0
- Training Threshold: 0%
- Use Class Frequency: False
- Sublinear TF Scaling: False
- Smooth IDF: True

Field Class

Batch: Invoices

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice Page 1 / 01

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference Date: 11/14/2008
P.O. number: 201017081
Customer number: 18003405
Customer contact:

Our Reference Date: 11/14/2008
Invoice number: 74451405
Ship-to Number: 18103943

Scale: 28 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0 | Language:

| Feature | Count | CWF | CTC | CF | TF | IDF | Weight |
|---------|-------|-----|-----|----|----|-----|--------|
| | | | | | | | |

> Content Models / Invoices / (local resources) / Extractors / **Ship To**

1. Right click and select Add → Data Type... .
2. Name it **[Features] Ship To**.

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Invoice Date
 - Ship To
- (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class **Weightings** **Contents** **Advanced**

Save **Cancel** **Run Extraction**

Image View **Text View**

ACME | INTERNATIONAL

Checks to:
 Acme International, Inc
 123 South Main
 Durham, NH 03824
 Phone (603) 333-4444

Invoice **Page**
Ship To:
 Grooper Industries
 13900 N Harvey
 Edmond, OK 73013
 405-507-7000

Your Reference **Our Reference**
 P.O. number : 201017081 Date : 11/14/2008
 Customer number : 18003405 Invoice number : 74451405
 Customer contact : Ship-to Number : 18103943

Scale: 28 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0 | Language: **English**

| Feature | Count | CWF | CTC | CF | TF | IDF | Weight |
|---------|-------|-----|-----|----|----|-----|--------|
| | | | | | | | |

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Invoice Date
 - Ship To
- (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Type **Scripting** **Contents** **Advanced**

Save **Cancel** **Run Extraction**

Image View **Text View**

ACME | INTERNATIONAL

Checks to:
 Acme International, Inc
 123 South Main
 Durham, NH 03824
 Phone (603) 333-4444

Invoice **Page**
Ship To:
 Grooper Industries
 13900 N Harvey
 Edmond, OK 73013
 405-507-7000

Your Reference **Our Reference**
 P.O. number : 201017081 Date : 11/14/2008
 Customer number : 18003405 Invoice number : 74451405
 Customer contact : Ship-to Number : 18103943

Scale: 25 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Value Confidence Page No. Index Length Extractor

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
|--|--|--|--|--|--|--|

To

1. In the Data Extraction section, click to edit the Pattern.

2. Edit the pattern(s):

Value Pattern

`ship to|shipped to|ship`

Output Format

3. Press OK.

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Invoice Date
 - Ship To
 - [Features] Ship To
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction 0 results in 0 ms

General

- Value Type String
- Culture Filter
- Description

Data Extraction

- Pattern (empty)
- Referenced Extractors (empty)
- Input Filter (empty)
- Exclusion Extractor (empty)

Output

- Collation Individual
- Order By Position
- Direction Ascending
- Result Filter (empty)

Deduplication

- Deduplicate Locations False
- Deduplicate Values False

Image View **Text View**

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice Page 1 / 01

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference
P.O. number : 201017081
Customer number : 18003405

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Customer number : 18003405

Scale: 25 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Pattern

Batch: Invoices

Invoices

- Acme (1)
- Standard (2)

Value

| Value | Confidence | Page No | Index | Length | Extractor |
|-------|------------|---------|-------|--------|-----------|
| | | | | | |

OK Cancel

Pattern Editor Properties

Value Pattern

1 ship-to|shipped-to|ship

Look Ahead Pattern

1

Look Behind Pattern

1

Output Format

ship to
OK:ship to|shipped to|ship

Batch: Invoices

Invoices
+ Acme (1)
+ Standard (2)
+ Express (3)
+ Spartan (4)

Image Text

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD
Invoice amount : 1,727.13
Payment terms : Net 30 days

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Delivery number : 5515616
Freight carrier :
T-123456789012345678

Scale: 34 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Results (2)

| | Confidence | Page No | Index | Length |
|---------|------------|---------|-------|--------|
| ship to | 100 % | 1 | 222 | 7 |
| ship to | 100 % | 1 | 500 | 4 |

> Content Models / Invoices / (local resources) / Extractors / **Ship To**

Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|-----------|
| General | | |
| Value Extractor | | |
| → Type | none | Reference |
| → Referenced Extractor | - | Address |

The screenshot shows the ACE Architect 02 application interface. The left sidebar contains a tree view of project components: ACE Architect 02, Batch Processing, Content Models, Invoices (local resources), Extractors, Invoice Date, Ship To, Acme, Enid, Express, Spartan, Standard, Data Extraction, Global Resources, Infrastructure, and Reports.

The main window has several tabs at the top: Field Class, Weightings, Contents, Advanced, Save, Cancel, and Run Extraction. The Run Extraction tab is active, showing "0 results in 0 ms".

The central area displays a configuration pane for "Field Class" with sections for General, Context Scope Options, and Classifier Tuning. Under General, "Value Type" is set to String, "Value Extractor" and "Feature Extractor" are both empty, and "Description" is present. Under Context Scope Options, "Context Scope" is Zonal and "Context Zones" are defined as "(2 Rectangle objects)". Under Classifier Tuning, "Minimum Feature Count" is 0, "Training Threshold" is 0%, "Use Class Frequency" is False, "Sublinear TF Scaling" is False, and "Smooth IDF" is True.

To the right, the "Image View" tab is selected, showing a document titled "ACME | INTERNATIONAL" with address information:

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

The "Text View" tab is also visible, showing extracted bill-to and ship-to information:

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Invoice details:
Page 1 / 01

Below the document preview, there are sections for "Your Reference" and "Our Reference" with corresponding data:

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729

Scale: 26 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

At the bottom, status bars show "Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0" and a feature summary table:

| Feature | Count | CWF | CTC | CF | TF | IDF | Weight |
|---------|-------|------------|-----|----|----|-----|--------|
| Value | Page | Confidence | | | | | |

The screenshot shows the ACE Architect 02 software interface. The left sidebar displays a tree view of project components: ACE Architect 02, Batch Processing, Content Models, Invoices, Data Extraction, Global Resources, Infrastructure, and Reports. The 'Invoices' node is expanded, showing 'local resources' and 'Extractors' (Invoice Date, Ship To, [Features] Ship To). The 'Content Models' node is also expanded, showing 'ACE Architect 02 - Content Models' and 'Data Extraction - Data Types'. The main workspace is divided into several sections. At the top, there are buttons for Refresh, Add, Delete, Rename, and Clone. Below these are tabs for Field Class, Weightings, Contents, and Advanced, with 'Field Class' selected. A toolbar with icons for Save, Cancel, and Run Extraction is present. On the right, a status bar shows '0 results in 0 ms'. The central area contains an 'Image View' tab showing a scanned document from 'ACME | INTERNATIONAL' with text: 'Acme International, Inc', '123 South Main', 'Durham, NH 03824', 'Phone (603) 333-4444'. Below this is a 'Text View' tab showing extracted data: 'Bill To: Grooper Industries 13900 N Harvey Edmond, OK 73013 405-507-7000' and 'Ship To: Grooper Industries 13900 N Harvey Edmond, OK 73013 405-507-7000'. At the bottom, there are sections for 'Your Reference' (P.O. number: 201017081, Customer number: 18003405, Customer contact: , Currency: USD) and 'Our Reference' (Date: 11/14/2008, Invoice number: 74451405, Ship-to Number: 18103943, Sales order no: 33241729). A scale bar at the bottom indicates 'Scale: 26 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White'. A feature occurrence summary at the bottom states 'Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0'. A table at the very bottom lists columns for Feature, Count, CWF, CTC, CF, TF, IDF, and Weight.

> Content Models / Invoices / (local resources) / Extractors / **Ship To**

Change the following property value(s):

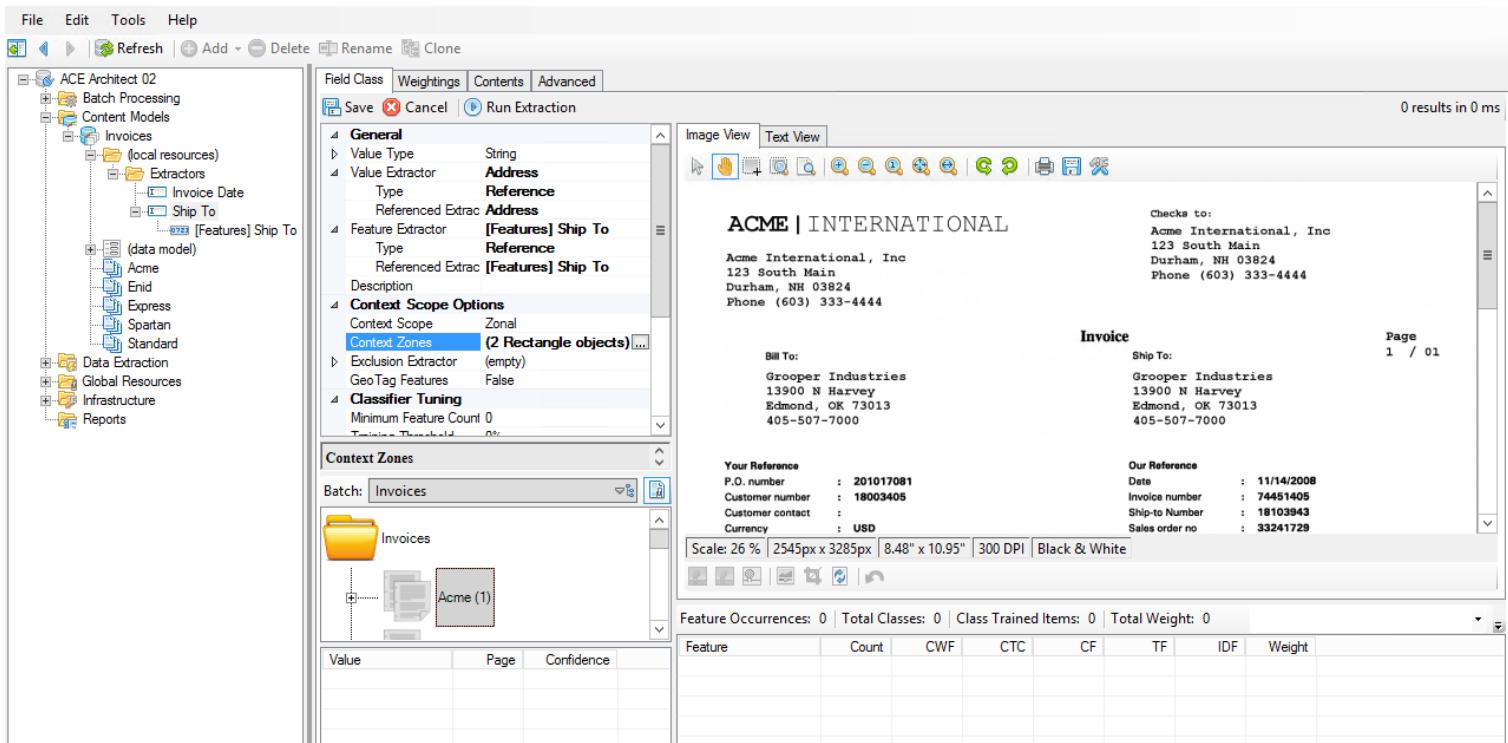
| Property | Default Value | New Value |
|------------------------|---------------|--------------------|
| General | | |
| Feature Extractor | | |
| → Type | none | Reference |
| → Referenced Extractor | - | [Features] Ship To |

The screenshot shows the ACE Architect 02 application interface. The left sidebar displays a tree view of project components: Batch Processing, Content Models, Invoices (with sub-folders like Local Resources, Extractors, Invoice Date, Ship To, and Features), Acme, Enid, Express, Spartan, Standard, Data Extraction, Global Resources, Infrastructure, and Reports. The main workspace is titled 'Field Class' and contains tabs for Weightings, Contents, and Advanced. A toolbar at the top includes Save, Cancel, and Run Extraction buttons. The central area shows a document titled 'ACME | INTERNATIONAL' with address information for Acme International, Inc. Below the document, a 'Referenced Extract' dropdown menu is open, showing options like 'Extractor • Ship To', 'Invoices • (local resources)', and 'ACE Architect 02 • Content Mod'. The bottom section displays a table of feature occurrences with columns for Value, Page, Confidence, Count, CWF, CTC, CF, TF, IDF, and Weight.

1. In the **Context Zone Options** section, click to edit the **Context Zones**.
2. In the **Context Zones** window, delete one of the zones.
3. For the remaining zone, edit the dimensions as follows:

| Property | Zone |
|----------|-------|
| Left | -1.25 |
| Top | -0.54 |
| Right | 0.73 |
| Bottom | 0.13 |

4. Press **OK**.
5. Press **Run Extraction**.



The screenshot shows the ACE Architect 02 software interface. On the left, the project tree displays 'ACE Architect 02' with various modules like 'Batch Processing', 'Content Models', 'Invoices', 'Data Extraction', 'Global Resources', 'Infrastructure', and 'Reports'. Under 'Invoices', there are 'local resources' and 'Extractors' sections, with 'Ship To' being the selected feature.

In the center, the 'Extractor Configuration' window is open for the 'Ship To' feature. The 'General' tab shows the value type as 'String' and the referenced extractor as 'Address'. The 'Context Scope Options' tab is active, showing 'Context Scope' set to 'Zonal' and 'Context Zones' set to '(2 Rectangle objects) ...'. Below this, 'Exclusion Extractor' is set to '(empty)', 'Geo Tag Features' is set to 'False', and 'Classifier Tuning' includes a 'Minimum Feature Count' of 0.

On the right, the 'Image View' shows a preview of the document with the 'ACME | INTERNATIONAL' header. It lists 'Acme International, Inc' at '123 South Main, Durham, NH 03824, Phone (603) 333-4444'. The 'Invoice' section shows 'Grooper Industries' at '13900 N Harvey, Edmond, OK 73013, 405-507-7000'. The 'Your Reference' and 'Our Reference' tables provide detailed tracking information.

At the bottom, status bars show 'Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0' and a table for 'Feature' analysis with columns: Value, Page, Confidence, Count, CWF, CTC, CF, TF, IDF, and Weight.

Content Models / Invoices / (local resources) / Extractors / Ship To

1. In the candidate list, find the value that has features that can be trained.
2. Right click on that value and select .
3. Change the following property value(s):

| Property | Default Value | New Value |
|--------------------|---------------|--------------------------------------|
| Output | | |
| Minimum Confidence | 0% | 70% <input type="button" value="I"/> |

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Invoice Date
 - Ship To
 - [Features] Ship To
- (data model)
 - Acme
 - End
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

Image View Text View

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729

Scale: 26% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 1 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 1.000000

| Feature | Count | CWF | TF | IDF | Weight |
|---------|-------|-----|----------|----------|----------|
| ship to | 1 | 0 | 1.000000 | 1.000000 | 1.000000 |

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Invoice Date
 - Ship To
 - [Features] Ship To
- (data model)
 - Acme
 - End
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

Image View Text View

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729

Scale: 26% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 1 | Total Classes: 1 | Class Trained Items: 0 | Total Weight: 1.000000

| Feature | Count | CWF | TF | IDF | Weight |
|---------|-------|-----|----------|----------|----------|
| ship to | 1 | 1 | 1.000000 | 1.000000 | 1.000000 |



Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|-----------|
| General | | |
| Value Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | Ship To |
| Behavior | | |
| Required | False | True |

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02
Batch Processing
Content Models
Invoices
 (local resources)
 (data model)
 Invoice Number
 PO Number
 Invoice Date
 Freight
 Sales Tax
 Discount
 Invoice Amount
 Payment Terms
 Ship To
 Remit To
 Acme
 Enid
 Express
 Spartan
 Standard
Data Extraction
Global Resources
Infrastructure
Reports

Data Field Contents Advanced

Save Cancel Test Extraction

General

- Value Type String
- Value Extractor (empty)
- Minimum Confidence 20%
- Sub-Element Name
- Description

Appearance

- Alignment Left
- Display Width 100
- Error Color #255, 192, 192
- Background Color Window
- Foreground ColorWindowText
- Visible True
- Label Position Left

Data Field

Represents a field.

Remarks

Fields can be children of [Data Model](#) or [Data Section](#) objects. Field objects define characteristics such as:

- The appearance of the item in the [Index Panel](#).
- The default ESP™ Extraction settings. These settings can be overridden on

Batch: Invoices

Ship To

Data Field Preview

Document View Text View Instance View

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice
Page 1 / 01

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD
Invoice amount : 1,727.13
Payment terms : Net 30 days

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Delivery number : 6615616
Freight carrier :

Scale: 20 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
- Invoice Number
- PO Number
- Invoice Date
- Freight
- Sales Tax
- Discount
- Invoice Amount
- Payment Terms
- Ship To
- Remit To
- Acme
- End
- Express
- Spartan
- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field [Contents Advanced] **Save** **Cancel** **Test Extraction**

General

- Value Type String
- Type **Ship To Reference**
- Referenced Extractor Minimum Confidence
- Sub-Element Name
- Description

Appearance

- Alignment
- Display Width
- Error Color
- Background Color

Referenced Extractor
Type: **Grooper Node**

When Type is set to 'Reference', specifies the object to extract from.

Property Type: **Grooper Node**

Grooper Nodes are objects which appear in the Grooper Tree Structure. Every object at every level of the tree structure, including folders, are considered Grooper Nodes. All Grooper Node objects support a base set of properties and behaviors common to all node

Batch: Invoices

Ship To Data Field Preview

Document View **Text View** **Instance View**

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice
Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference
P.O. number : 201017081
Customer number : 18003406
Customer contact :
Currency : USD
Invoice amount : 1,727.13
Payment terms : Net 30 days

Our Reference
Date : 11/14/2009
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Delivery number : 6615616
Freight center :
Scale: 20 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
- Invoice Number
- PO Number
- Invoice Date
- Freight
- Sales Tax
- Discount
- Invoice Amount
- Payment Terms
- Ship To
- Remit To
- Acme
- End
- Express
- Spartan
- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field [Contents Advanced] **Save** **Cancel** **Test Extraction**

Label Position Left

Label Alignment MiddleLeft

Behavior

| | |
|-------------------------|-------------|
| FieldSense™ | Disabled |
| Input Mask | Disabled |
| Multi Line | Disabled |
| Tooltip | (Text) |
| Read Only | False |
| Required | True |
| Sticky | False |
| Requires Validation | False |
| Character Casing | Normal |
| Preserve Character Data | False |
| Published OCR Profile | |

Required
Type: **Boolean** Default: **False**
If set to true, a value is required in the field.

Batch: Invoices

Ship To Data Field Preview

Document View **Text View** **Instance View**

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice
Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference
P.O. number : 201017081
Customer number : 18003406
Customer contact :
Currency : USD
Invoice amount : 1,727.13
Payment terms : Net 30 days

Our Reference
Date : 11/14/2009
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Delivery number : 6615616
Freight center :
Scale: 20 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Remit To

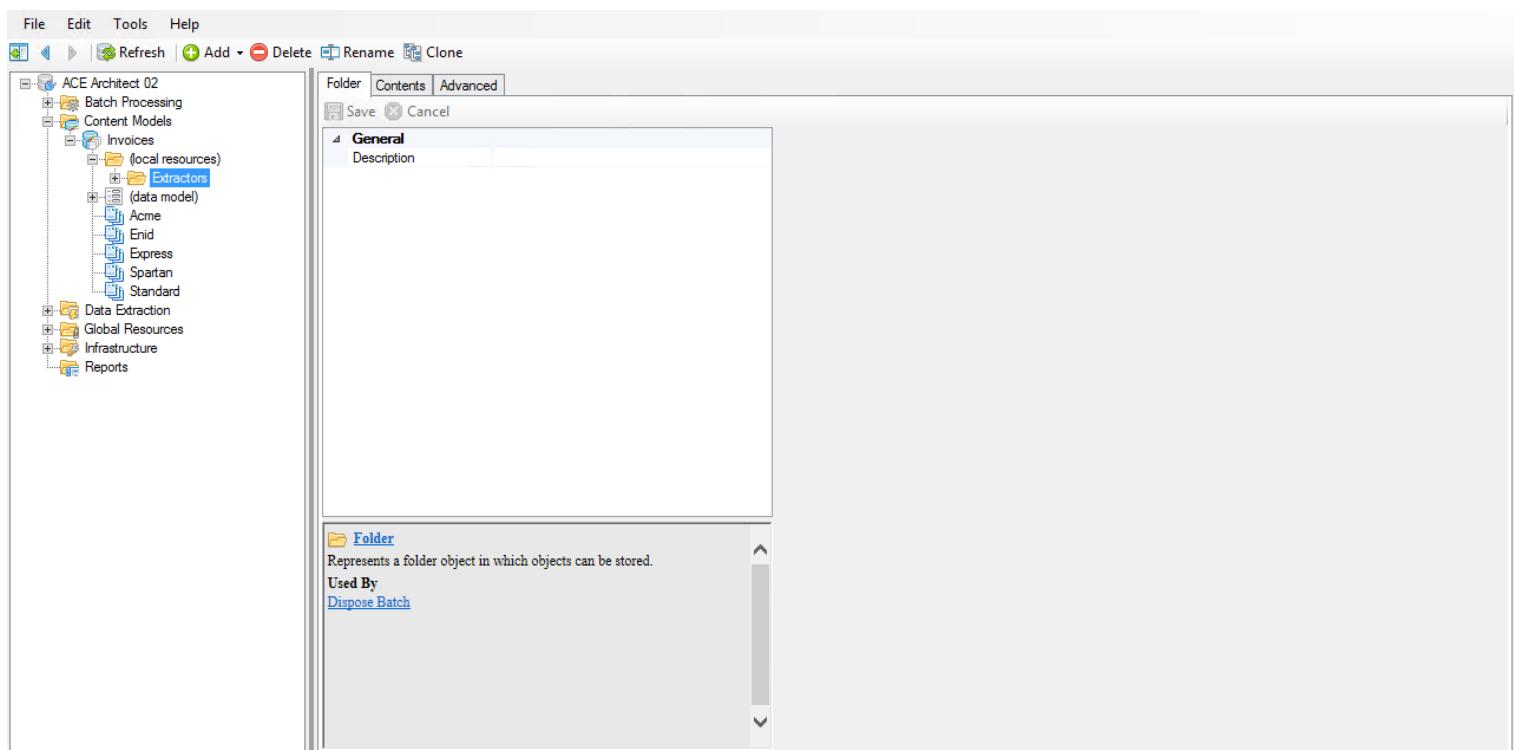
> Content Models / Invoices / (local resources) / Extractors 

1. Right click and select Add → Field Class... .

2. Name it **Remit To** .

3. Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|------------------|
| General | | |
| Value Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | Address |



The screenshot shows the ACE Architect 02 software interface. The left sidebar displays a tree view of project components: ACE Architect 02, Batch Processing, Content Models, Invoices (local resources), Extractors (Invoice Date, Remit To, Ship To), Acme, Enid, Express, Spartan, Standard, Data Extraction, Global Resources, Infrastructure, and Reports.

The main window has several tabs at the top: Field Class, Weightings, Contents, Advanced, Save, Cancel, and Run Extraction. The Run Extraction tab is active, showing results for "ACME | INTERNATIONAL".

The results pane displays extracted data in two views: Image View and Text View. The Text View shows the following details:

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page
1 / 01

Your Reference

| | | |
|------------------|---|-----------|
| P.O. number | : | 201017081 |
| Customer number | : | 18003405 |
| Customer contact | : | |
| Currency | : | USD |

Our Reference

| | | |
|----------------|---|------------|
| Date | : | 11/14/2008 |
| Invoice number | : | 74451405 |
| Ship-to Number | : | 18103943 |
| Sales order no | : | 33241729 |

Scale: 26 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0

Feature Count CWF CTC CF TF IDF Weight

Value Page Confidence

The screenshot shows the ACE Architect 02 software interface. The left sidebar displays a tree view of project components: ACE Architect 02, Batch Processing, Content Models, Invoices (local resources), Extractors (Invoice Date, Remit To, Ship To), Acme, Enid, Express, Spartan, Standard, Data Extraction, Global Resources, Infrastructure, and Reports. The main workspace is titled "Field Class" and contains tabs for "Save", "Cancel", and "Run Extraction". A "General" configuration pane is open, showing settings for Value Type (String), Value Extractor (Address Reference), and Type (Referenced Extract). Below this are sections for Features, Configuration, and Exclusions. The right side of the interface shows a preview of extracted data for "ACME | INTERNATIONAL". It includes a header section with "Checks to:" and details for "Acme International, Inc" (123 South Main, Durham, NH 03824, Phone (603) 333-4444). Below this are sections for "Invoice" and "Bill To", both listing "Grooper Industries" (13900 N Harvey, Edmond, OK 73013, 405-507-7000). At the bottom, there are sections for "Your Reference" (P.O. number: 201017081, Customer number: 18003405, Customer contact: [redacted], Currency: USD) and "Our Reference" (Date: 11/14/2008, Invoice number: 74451405, Ship-to Number: 18103943, Sales order no: 33241729). A status bar at the bottom indicates "Scale: 26 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White". A feature occurrence summary at the bottom states "Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0".

Change the following property value(s):

| Property | Default Value | New Value |
|-------------------|-----------------|-----------------|
| General | | |
| Feature Extractor | | |
| → Type | None | Internal |
| → Pattern | (Click to edit) | (Click to edit) |

The screenshot shows the ACE Architect 02 application interface. The left sidebar displays a tree view of project components: Batch Processing, Content Models, Invoices (with sub-folders like Local Resources, Extractors, Invoice Date, Remit To, Ship To), and several sample datasets (Acme, Enid, Express, Spartan, Standard). The main workspace is divided into several panes:

- Field Class** tab: Shows a configuration panel for an "Invoices" field class. It includes sections for General (Value Type: String, Value Extractor: Address, Feature Extractor: Internal), Context Scope Options (Context Scope: Zonal, Context Zones: (2 Rectangle objects)), and Classifier Tuning (Minimum Feature Count: 0).
- Image View** tab: Displays a scanned document from "ACME | INTERNATIONAL". The document contains the following text:

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01
- Text View** tab: Provides a detailed view of the extracted data, including sections for Your Reference (P.O. number: 201017081, Customer number: 18003405, Customer contact: , Currency: USD) and Our Reference (Date: 11/14/2008, Invoice number: 74451405, Ship-to Number: 18103943, Sales order no: 33241729).
- Pattern** tab: Shows a folder structure for "Invoices" containing a single item named "Acme (1)".
- Bottom status bar: Shows "Scale: 26 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White".
- Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0
- Feature statistics table:

1. Edit the pattern(s):

| |
|---|
| Value Pattern |
| <code>remit to mail payment to checks to</code> |
| Output Format |

2. Select Standard (2) .
3. Switch to the Properties tab.
4. Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|------------|
| General | | |
| Mode | RegEx | FuzzyRegEx |
| Fuzzy Matching Options | | |
| Fuzzy Match Weightings | | |
| → Local Entries | ■ | li=0.25 |

5. Press OK to close the List Editor.
6. Press OK to close the Pattern Editor.

OK **Cancel**

Pattern Editor **Properties**

Value Pattern

```
1 remit-to|mail-payment-to|checks-to
```

Look Ahead Pattern

```
1
```

Look Behind Pattern

```
1
```

Output Format

remit to
OK (3): remit to mail payment to checks to

Batch: Invoices

- Invoices
- + Acme (1)
- + Standard (2) **Selected**
- + Express (3)
- + Spartan (4)

Image **Text** **Fuzzy Extraction Visualizer**

NUMBER OF PKGS: 0 WEIGHT 3.20
DATE SHIPPED: 11/12/2008
CARRIER: UPS GROUND REGIONAL
TRACKING NO: 1Z301BW70328242140
These items are sold for domestic consumption in the United States. If exported, purchaser assumes full responsibility for compliance with US export controls.
PAYMENT TERMS NET 30 DAYS. PAY THIS INVOICE NO STATEMENT SENT. PAYABLE IN U.S. DOLLARS.
AMOUNT DUE 51.17
PLEASE DETACH THIS PORTION AND RETURN WITH YOUR PAYMENT.

REMIT TO:
Standard Products
19658 South Frisk
Oklahoma City, OK 73102
800-555-2121

ACCOUNT NUMBER DATE INVOICE NUMBER AMOUNT DUE

| | | | | |
|--|---|--|--|--|
| 8728648309777062473 | 10000051171000029010000771100000008121148 | | | |
| Scale: 34 % 2545px x 3274px 8.48" x 10.91" 300 DPI Black & White | | | | |

Results (1)

| remit to | Confidence | Page No | Index | Length |
|----------|------------|---------|-------|--------|
| | 97 % | 1 | 1092 | 8 |

OK **Cancel**

Pattern Editor **Properties**

General

- Value Type String
- Mode** FuzzyRegEx
- Case Sensitive False
- Preprocessing Options None
- Regional Settings (empty)
- Expression Lexicon Referenced Lexicons (empty)
- Fuzzy Matching Options**
- Minimum Similarity 90%
- Match Mode LeastCost
- Fuzzy Match Weightings (empty)
- Regular Expression**

Type: ExtractionMode Default: RegEx
Specifies the extraction mode. Can be one of the following values:

- RegEx - Normal regular expression mode. Finds all instances which are a 100% match for the regular expression. RegEx mode supports the full syntax and feature set of Microsoft .Net Framework Regular Expressions.

Batch: Invoices

- Invoices
- + Acme (1)
- + Standard (2) **Selected**
- + Express (3)
- + Spartan (4)

Image **Text** **Fuzzy Extraction Visualizer**

PAGE 1 OF 1 ORIGINAL INVOICE<\r><\n>
STANDARD<\r><\n>
ACCOUNT NUMBER 872864830<\r><\n>
11leEn Products<\r><\n>
INVOICE NUMBER 9777062473<\r><\n>
19658 South Frisk INVOICE DATE 11/11/2008<\r><\n>
Oklahoma City, OK 73102 DUE DATE 12/11/2008<\r><\n>
AMOUNT DUE 51.17<\r><\n>
SHIP TO<\r><\n>
PO NUMBER: 209001161<\r><\n>
Grooper Industries<\r><\n>
13900 N Harvey<\r><\n>
Edmond, OK 73013<\r><\n>
405-507-7000<\r><\n>
BILL TO<\r><\n>
Grooper Industries<\r><\n>
13900 N Harvey<\r><\n>
Edmond, OK 73013<\r><\n>
405-507-7000<\r><\n>
THANK YOU!<\r><\n>
FOR ANY QUESTIONS ABOUT THIS INVOICE OR ACCOUNT CALL 1-877-202-2594<\r><\n>
UNE # ITEM # DESCRIPTION -QUANTIT.Y . ORDERED UNIT PRICE TOTAL<\r><\n>
2V620 FLASHLIGHT, 8 5.07 40.56<\r><\n>
MANUFACTURER # IV2DM<\r><\n>
NUMBER OF PKGS: 0 INVOICE SUB TOTAL 40.56<\r><\n>
DATE SHIPPED: 11/11/2008 SHIPPING CHARGE 7.71<\r><\n>
CARRIER: UPS GROUND REGIONAL TAX 2.90<\r><\n>
TRACKING NO: 1Z301BW70328242140<\r><\n>
These items are sold for domestic consumption in the United States. If exported, purchaser assumes full responsibility for compliance with US export controls.<\r><\n>
PAYMENT TERMS NET 30 DAYS. PAY THIS INVOICE NO STATEMENT SENT. PAYABLE IN U.S. DOLLARS. AMOUNT DUE 51.17<\r><\n>
PLEASE DETACH THIS PORTION AND RETURN WITH YOUR PAYMENT. A<\r><\n>

Characters: 1,495 Lines: 45 Current Line: 0 Current Page: 1

Results (0)

| Confidence | Page No | Index | Length |
|------------|---------|-------|--------|
| | | | |

OK Cancel

Pattern Editor Properties

Image Text Fuzzy Extraction Visualizer

1 results in 1 ms | Reference Material ▾

Mode FuzzyRegEx
Case Sensitive False
Preprocessing Options None
Regional Settings (empty)
Expression Lexicon Referenced Lexicons (empty)
Fuzzy Matching Options
Minimum Similarity 85%
Match Mode LeastCost
Fuzzy Match Weightings
Local Entries 0 entries (0 Lexicon objects)
Regular Expression

Local Entries
Type: String
A list of local lexicon entries.
Remarks
The list should be formatted so that there is one entry per line. Use the = symbol to indicate replacement values.

Batch: Invoices

Invoices
+ Acme (1)
+ Standard (2)
+ Express (3)
+ Spartan (4)

405-507-7000<\r><\n>
BILL TO<\r><\n>
Grooper Industries<\r><\n>
13900 N Harvey<\r><\n>
Edmond, OK 73013<\r><\n>
405-507-7000<\r><\n>
THANK YOU!<\r><\n>
FOR ANY QUESTIONS ABOUT THIS INVOICE OR ACCOUNT CALL 1-877-202-2594<\r><\n>
UNE # ITEM # DESCRIPTION -QUANTIT.Y . dRDERED UNIT PRICE TOTAL<\r><\n>
2V620 FLASHLIGHT,D 8 5.07 40.56<\r><\n>
MANUFACTURER # IV2DM<\r><\n>
NUMBER OF PKGS: 0 WE GHT: 3.20 VNOICE SUB TOTAL 40.56<\r><\n>
DATE SHIPPED: 11/11/2008 SHIPPING CHARGE 7.71<\r><\n>
CARRIER: UPS GROUND REGIONAL TAX 2.90<\r><\n>
TRACKING NO: 1Z3018W70328242140<\r><\n>
These items are sold for domestic consumption in the United States If exported, purchaser assumes full<\r><\n>
responsibility for compliance with US export controls.<\r><\n>
PAYMENT TERMS NET 30 DAYS. PAY THIS INVOICE NO STATEMENT SENT. PAYABLE IN U S. DOLLARS. AAFOUNDUE 51.17<\r><\n>
PLEASE DETACH THIS PORTION AND RETURN WITH YOUR PAYMENT. A<\r><\n>
REMIT TO:<\r><\n>
BILL TO:<\r><\n>
Standard Products<\r><\n>
Grooper Industries 19658 South Frisk<\r><\n>
P.O. 13900 N Harvey Oklahoma City, OK 73102<\r><\n>
Edmond, OK 73013 800-555-2121<\r><\n>
405-507-7000<\r><\n>
872864830977706247310000511710000290100077110000008121148<\r><\n>
X<\r><\n>
ACCOUNT NUMBER DATE INVOICE NUMBER AMOUNT DUE<\r><\n>
872864830 11/11/2008 9777062473 51.17<\r><\n>
FOR COMMENTS OR CHANGE OF ADDRESS, ENTER INFORMATION ON REVERSE SIDE.<\r><\n>
1 YNN 0030800 P

Characters: 1,495 Lines: 45 Current Line: 32 Current Page: 1

| Results (1) | Confidence | Page No | Index | Length |
|-------------|------------|---------|-------|--------|
| REMIT TO | 88 % | 1 | 1092 | 8 |

OK Cancel

Pattern Editor Properties

Image Text Fuzzy Extraction Visualizer

1 results in 1 ms | Reference Material ▾

Mode FuzzyRegEx
Case Sensitive False
Preprocessing Options None
Regional Settings (empty)
Expression Lexicon Referenced Lexicons (empty)
Fuzzy Matching Options
Minimum Similarity 85%
Match Mode LeastCost
Fuzzy Match Weightings
Local Entries 0 entries (0 Lexicon objects)
Regular Expression

Local Entries
Type: String
A list of local lexicon entries.
Remarks
The list should be formatted so that there is one entry per line. Use the = symbol to indicate replacement values.

Batch: Invoices

Invoices
+ Acme (1)
+ Standard (2)
+ Express (3)
+ Spartan (4)

405-507-7000<\r><\n>
BILL TO<\r><\n>

OK Cancel

li=0.25|

<\n>
xported, purchaser assumes full<\r><\n>
IN U S. DOLLARS. AAFOUNDUE 51.17<\r><\n>
><\n>

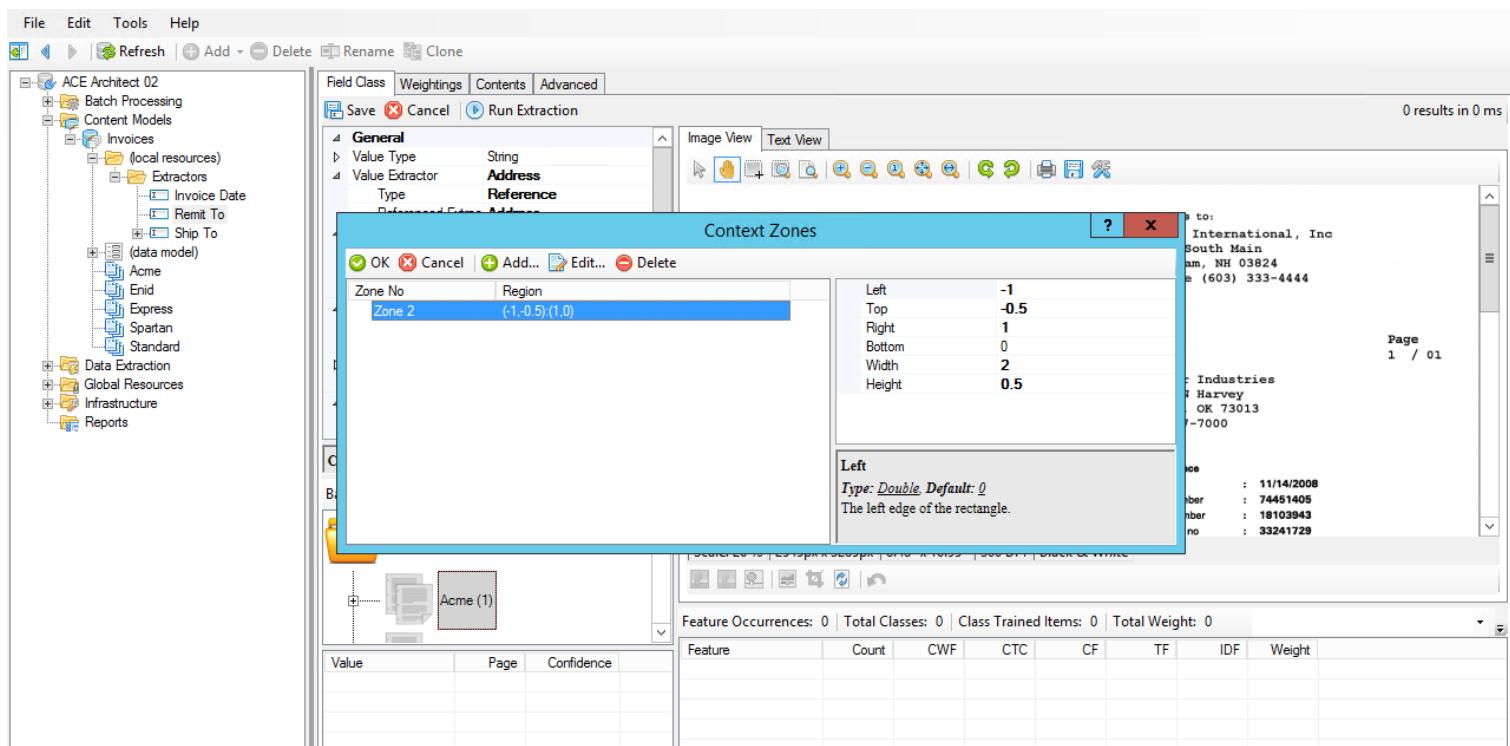
Characters: 1,495 Lines: 45 Current Line: 32 Current Page: 1

| Results (1) | Confidence | Page No | Index | Length |
|-------------|------------|---------|-------|--------|
| REMIT TO | 88 % | 1 | 1092 | 8 |

1. In the **Context Zone Options** section, click to edit the **Context Zones**.
2. In the **Context Zones** window, delete one of the zones.
3. For the remaining zone, edit the dimensions as follows:

| Property | Zone |
|----------|-------|
| Left | -2.55 |
| Top | -0.55 |
| Right | 1 |
| Bottom | 0.15 |

4. Press **OK**.



| Zone No | Region |
|---------|----------------|
| Zone 2 | (-1,-0.5)(1,0) |

Left
Type: Double Default: 0
The left edge of the rectangle.

Content Models / Invoices / (local resources) / Extractors / Remit To

1. Select Acme (1).
2. In the candidate list, find the value that has features that can be trained.
3. Right click on that value and select Train As Positive.
4. Change the following property value(s):

| Property | Default Value | New Value |
|--------------------|---------------|-----------|
| Output | | |
| Minimum Confidence | 0% | 70% |

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Invoice Date
 - Remit To
 - Ship To
 - Acme
 - End
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class **Weightings** **Contents** **Advanced**

Save **Cancel** **Run Extraction**

Image View **Text View**

4 results in 27 ms

General

- Value Type String
- Value Extractor Address "remit to\mail payment to"
- Description

Context Scope Options

- Context Scope Zonal
- Context Zones (1 Rectangle)
- Exclusion Extractor (empty)
- GeoTag Features False

Classifier Tuning

- Minimum Feature Count 0
- Training Threshold 0%
- Use Class Frequency False
- Sublinear TF Scaling False
- Smooth IDF True

Context Zones

Batch: Invoices

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Invoice Date
 - Remit To
 - Ship To
 - Acme
 - End
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class **Weightings** **Contents** **Advanced**

Save **Cancel** **Run Extraction**

Image View **Text View**

4 results in 32 ms

General

- Value Type String
- Value Extractor Address "remit to\mail payment to"
- Description

Context Scope Options

- Context Scope Zonal
- Context Zones (1 Rectangle)
- Exclusion Extractor (empty)
- GeoTag Features False

Classifier Tuning

- Minimum Feature Count 0
- Training Threshold 0%
- Use Class Frequency False
- Sublinear TF Scaling False
- Smooth IDF True

Output

- Minimum Confidence **70%**
- Collation Method Individual
- Order By Confidence
- Direction Descending

Minimum Confidence

Batch: Invoices

> Content Models / Invoices / (data model) / Remit To

Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|-----------|
| General | | |
| Value Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | Remit To |
| Behavior | | |
| Required | False | True |

File Edit Tools Help

Refresh Add Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field | Contents | Advanced | Save | Cancel | Test Extraction

General

- Type: String
- Value Type: Remit To
- Value Extractor:
 - Type: Reference
 - Referenced Extractor: Remit To
 - Minimum Confidence: (none)
 - Sub-Element Name:
 - Description:

Appearance

- Alignment:
- Display Width:
- Error Color:
- Background Color:
- Foreground Color:

Referenced Extractor

Type: Grooper Node

When Type is set to 'Reference', specifies the

Property Type: Grooper Node

Grooper Nodes are objects which appear in the Grooper Tree Structure. Every object at every level of the tree structure, including folders, are considered Grooper Nodes. All Grooper Node objects support a base set of properties and behaviors common to all node

Batch: Invoices

Document View Text View Instance View

Remit To

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Page 1 / 01

BB To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

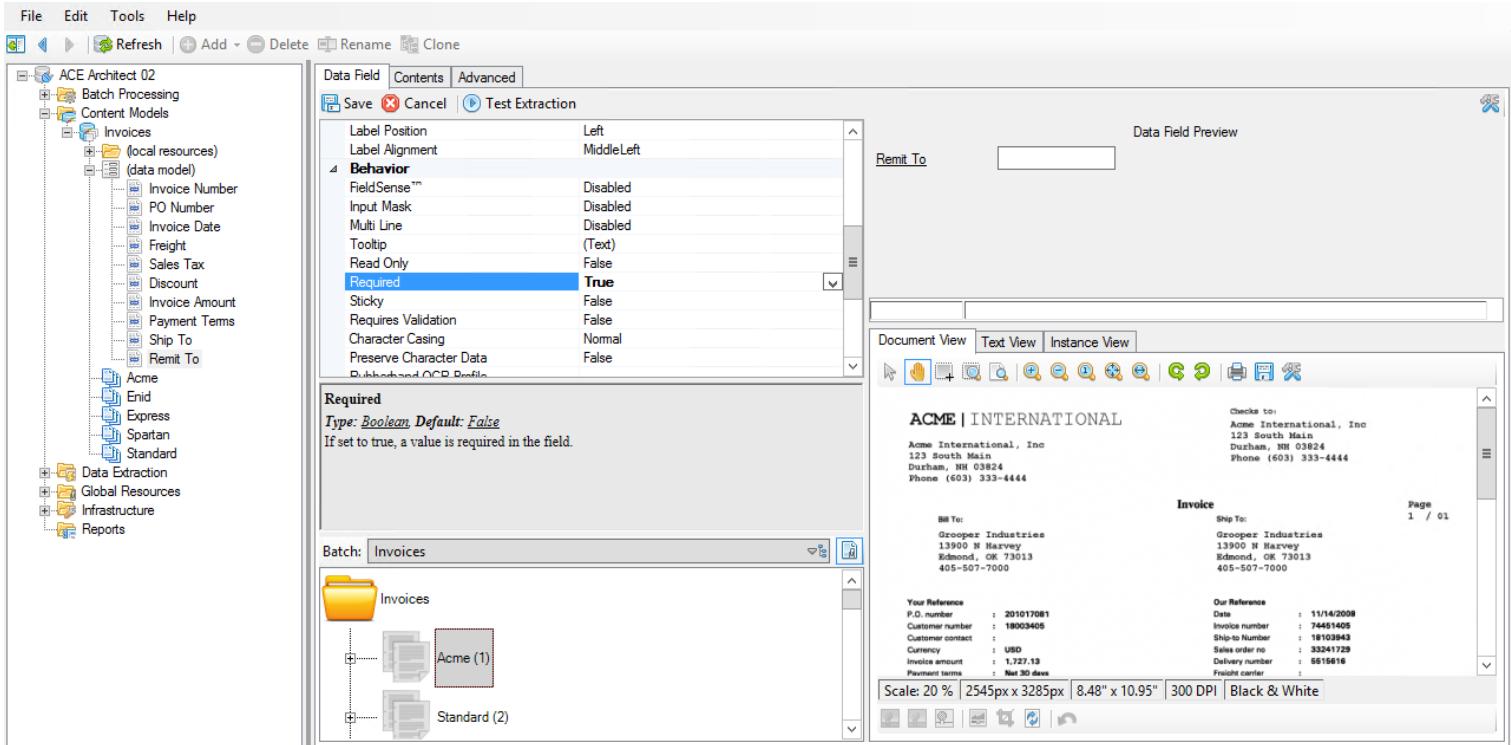
Customer Reference

| | | |
|------------------|---|-------------|
| P.O. number | : | 201017081 |
| Customer number | : | 18003405 |
| Customer contact | : | 74451405 |
| Currency | : | USD |
| Invoice amount | : | 1,727.13 |
| Payment terms | : | Net 30 days |

Our Reference

| | | |
|-----------------|---|------------|
| Date | : | 11/14/2008 |
| Invoice number | : | 18103943 |
| Ship-to Number | : | 33241729 |
| Sales order no | : | 5615616 |
| Delivery number | : | |
| Freight center | : | |

Scale: 20 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White



Feature List

> Batch Processing / Batches / Test / **Invoices**

1. Switch to the **Batch Viewer** tab.
2. Collapse the Node Tree using the button in the toolbar.
3. Open Notepad.exe alongside Grooper Design Studio.

File Edit Tools Help

Batch Batch Viewer Contents Advanced

Save Cancel Clone To Production... Pause

General

| | |
|--------------|---|
| Priority | 3 |
| Current Step | |
| Description | |

Batch Information

| | |
|----------------------------|--------------------|
| Created | 10/17/2018 4:42 PM |
| Created By | BIS\vdelk |
| Current Step No | -1 |
| Current Step Name | (none) |
| Current Step Activity Name | |

Batch
A Batch is a hierarchy of folders and pages which serves as the fundamental unit of capture in Grooper.

Remarks
Batches can exist in one of two environments: Test or Production. Test

Processing Status Statistics Tasks Batch Viewer Processing History Event Log Details

Task Status

- Pending
- In Progress
- Completed
- Errors

File Edit Tools Help

Batch Batch Viewer Contents Advanced

Invoices

- Acme (1)
- Standard (2)
- Express (3)
- Spartan (4)
- Enid (5)

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

| | |
|----------|--|
| 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 |

Your Reference

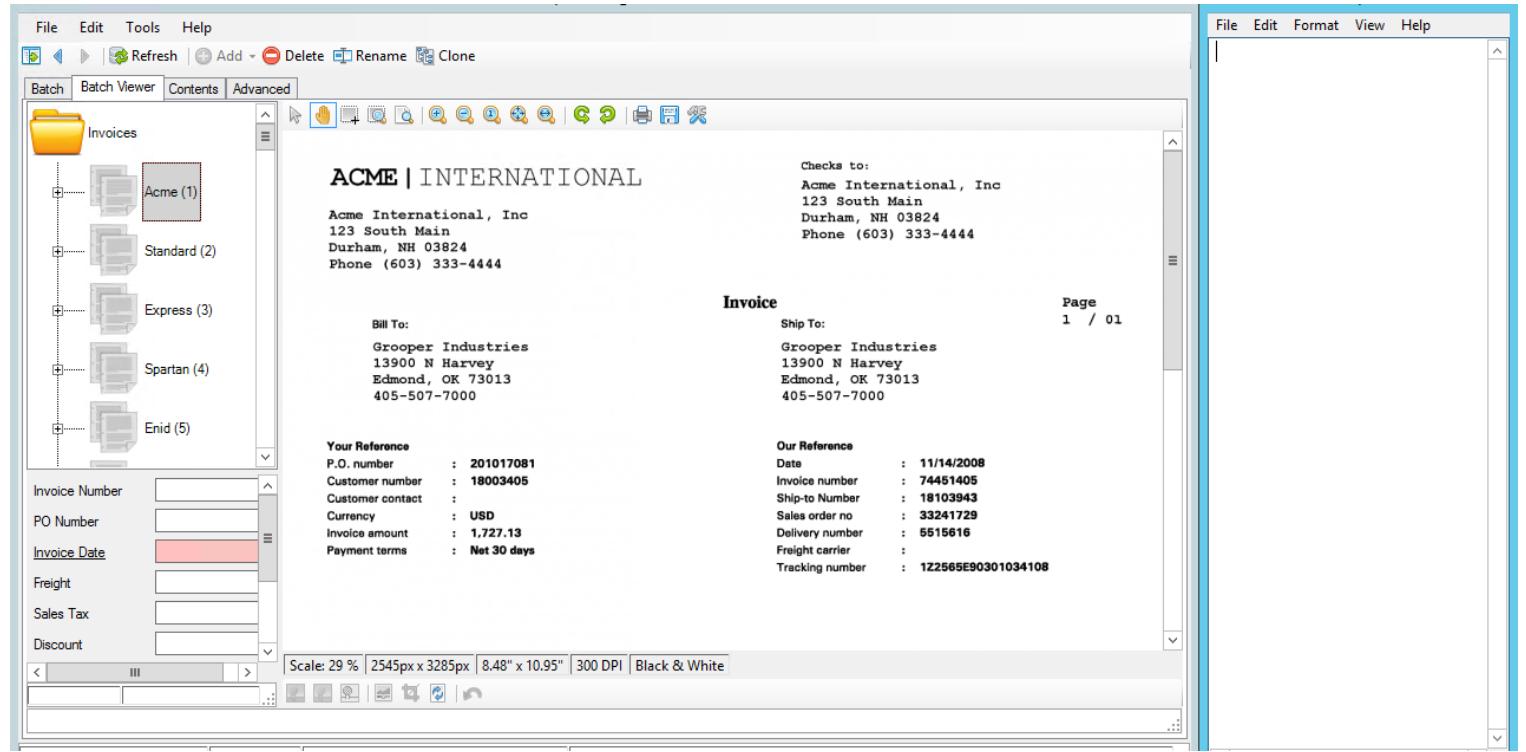
| | |
|------------------|---------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Customer contact | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Our Reference

| | |
|-----------------|----------------------|
| Date | : 11/14/2008 |
| Invoice number | : 74451405 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241729 |
| Delivery number | : 5515616 |
| Freight carrier | : |
| Tracking number | : 122565E90301034108 |

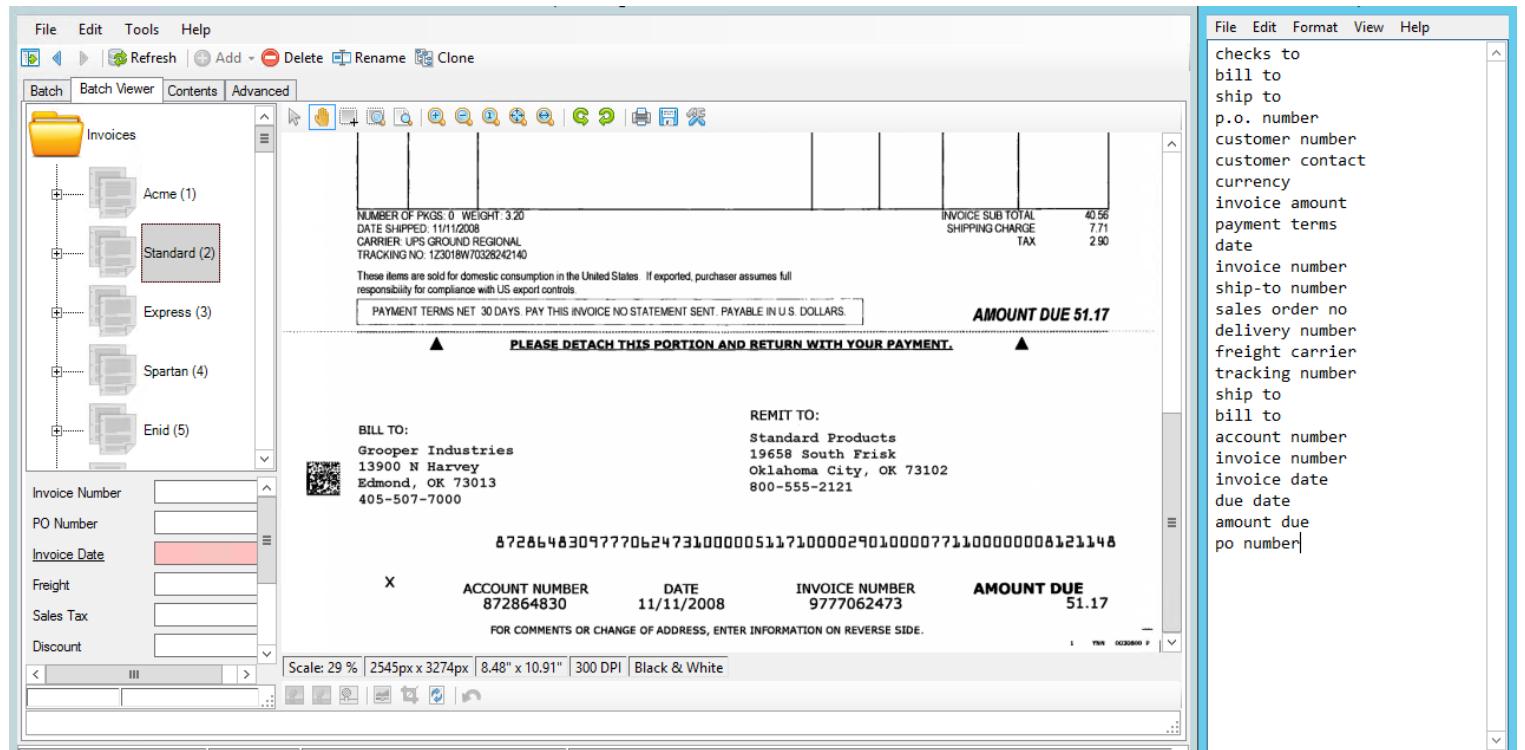
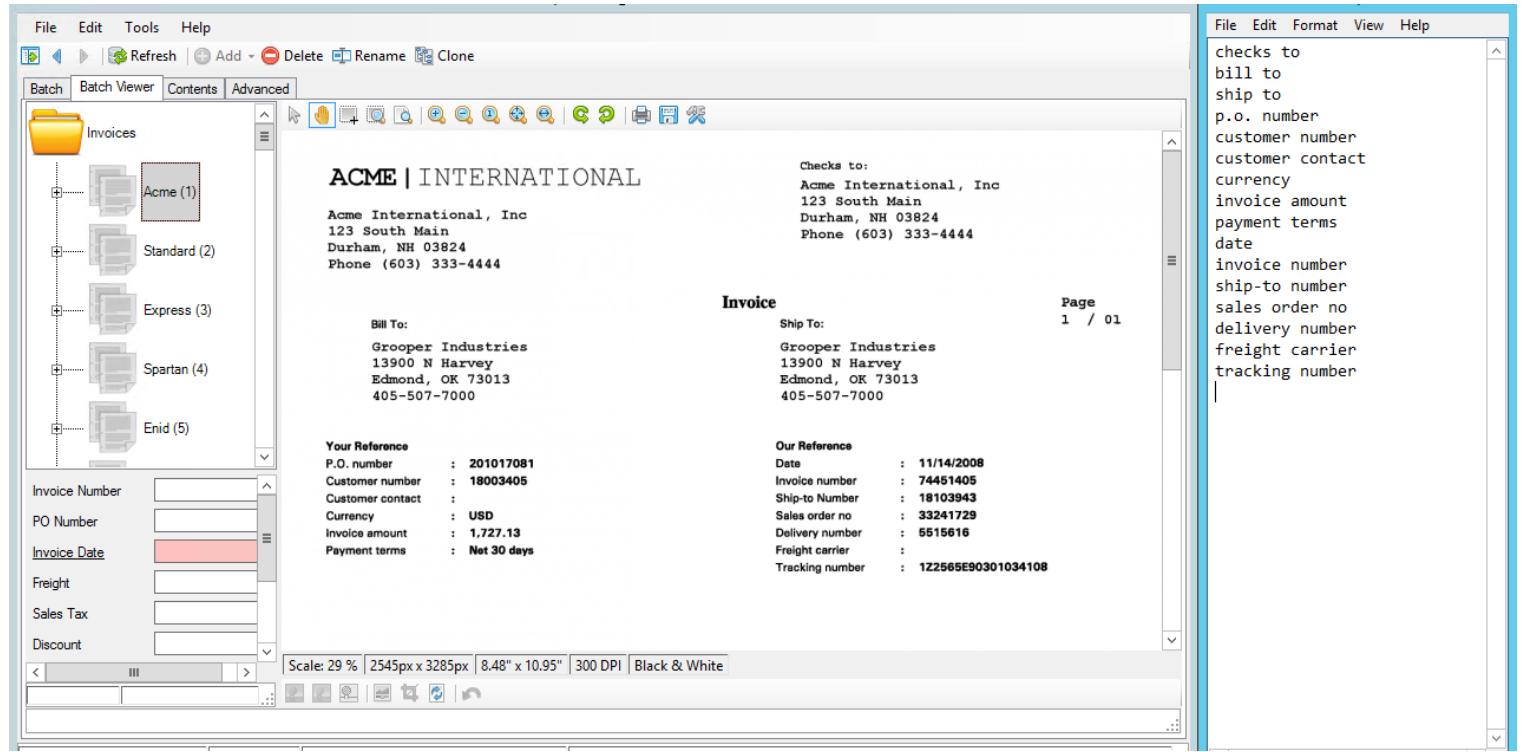
Invoice details

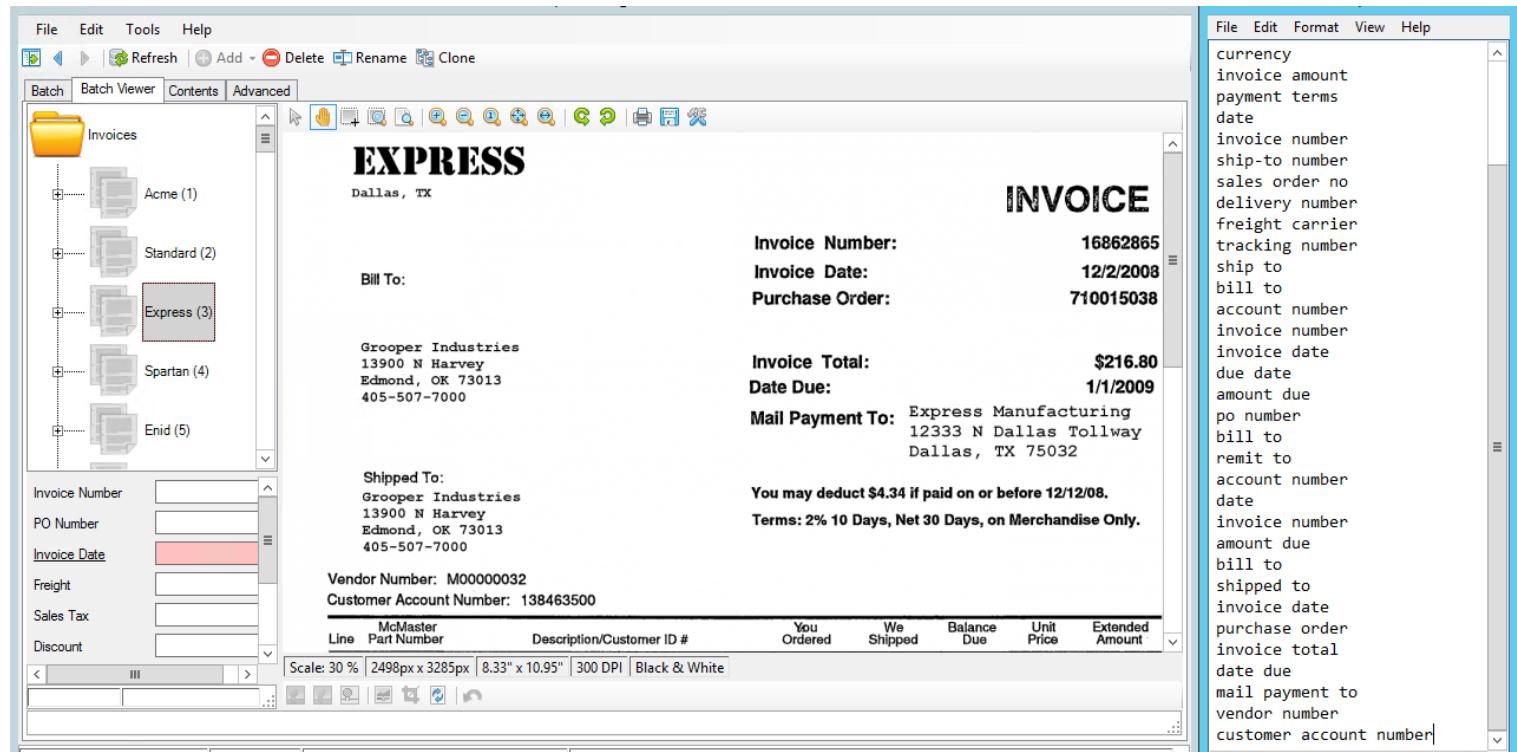
Scale: 28 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White



› Batch Processing / Batches / Test / **Invoices** 

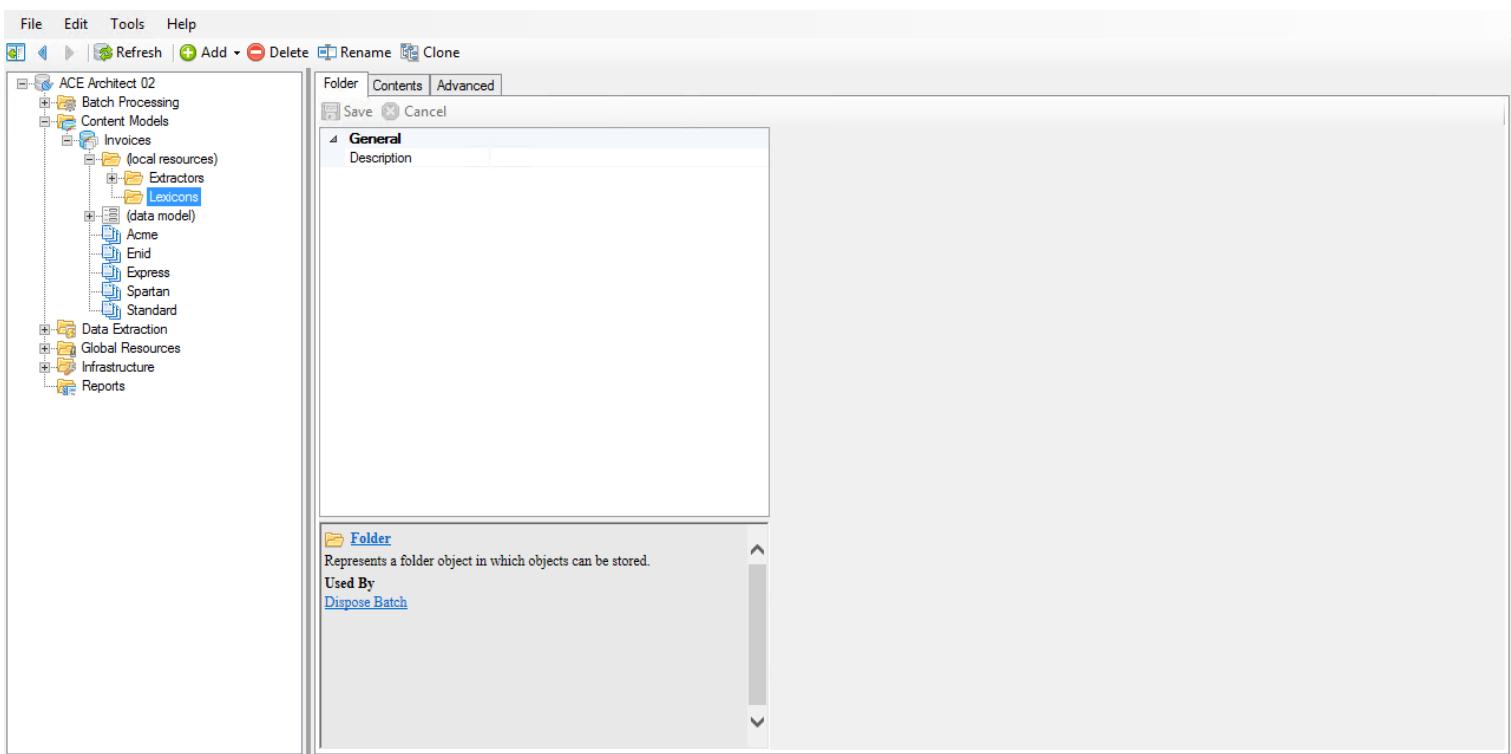
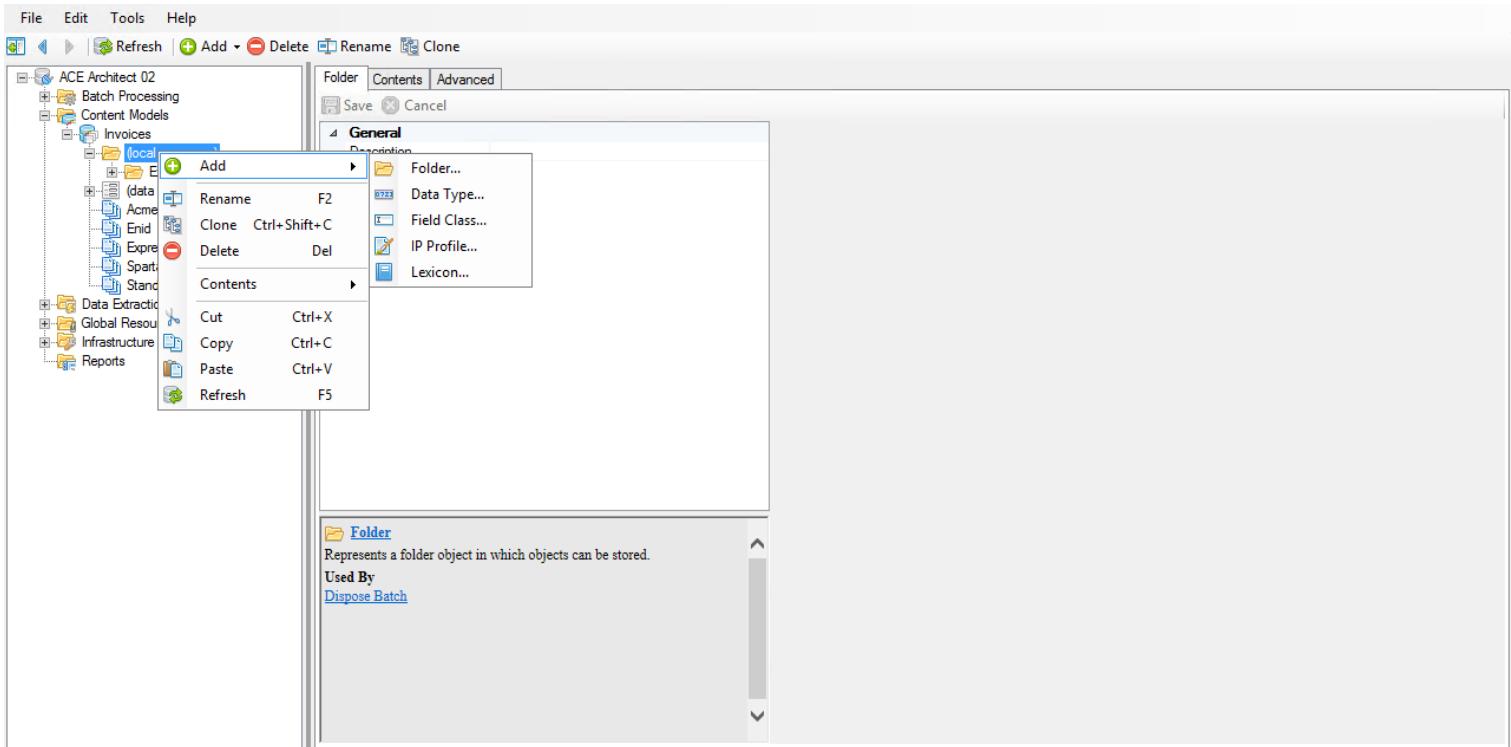
1. Select **Acme (1)**.
2. In Notepad, begin typing a list of all words and phrases used to identify invoice items.
3. Do this for the remaining four vendors.
4. When complete, copy everything in Notepad to your clipboard.
5. Restore the default Grooper Design Studio view.





› Content Models / Invoices / ([local resources](#))

1. Right click and select [Add → Folder...](#).
2. Name it **Lexicons**.
3. Right click on the **Lexicons** folder and select [Add → Lexicon...](#).
4. Name it **Invoice Field Labels**.



The screenshot shows the ACE Architect 02 software interface. On the left is a navigation tree with nodes like 'ACE Architect 02', 'Batch Processing', 'Content Models', 'Invoices' (selected), 'Lexicons', and 'Reports'. The main area is titled 'Lexicon Advanced' with tabs for 'Save', 'Cancel', 'Intersect...', 'Subtract...', and 'Truncate...'. The 'General' section shows 'Type' as 'Lookup', 'Language' as 'en', 'Case Sensitive' as 'False', and 'Included Lexicons' as '(empty)'. The 'Database Link' section shows 'Database Table'. Below this is a large empty 'Edit Entries' grid with a 'Search' button. A tooltip for 'Lexicon' defines it as a dictionary for key-value pairs and notes its use throughout Grooper. It also lists 'See Also' entries like 'Culture Data', 'Lexicon', and 'Database Table', and 'Used By' entries like 'Invoice'. At the bottom right of the grid is a note '1 local entries'.

> Content Models / Invoices / (local resources) / Lexicons / **Invoice Field Labels**

1. Paste your list of field labels in the **Edit Entries** editor.
2. Right click in the **Edit Entries** editor and select **Sort**.
3. Right click in the **Edit Entries** editor and select **Deduplicate**.
4. Normalize synonymous phrases by setting an **=** sign between the original phrase and the desired transformed phrase.
5. Delete this Lexicon.

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

Batch Processing

Content Models

Invoices

(local resources)

Extractors

Lexicons

Invoice Field Labels

(data model)

Acme

Enid

Express

Spartan

Standard

Data Extraction

Global Resources

Infrastructure

Reports

Lexicon Advanced

Save Cancel

General

Type: Lookup

Language:

Case Sensitive: False

Included Lexicons: (empty)

Description:

Database Link

Database Table:

Lexicon

A Lexicon is a dictionary which stores a list of keys or key-value pairs which are indexed for high-speed lookup.

Remarks

Lexicons are used throughout Grooper to store lists of words, phrases, field values, translations, weightings, and other information.

See Also

[Culture Data](#), [Lexicon](#), [Database Table](#)

Used By

[Lexicon](#), [Invoicer](#), [Invoicer](#), [Invoicer](#), [Data Pattern](#)

Edit Entries Search

delivery number
freight carrier
tracking number
ship to
bill to
account number
invoice number
invoice date
due date
amount due
po number
invoice sub total
shipping charge
tax
bill to
remit to
account number
date
invoice number
amount due
bill to
shipped to
invoice number
invoice date
purchase order
invoice total
date due
mail payment to
vendor number
customer account number
sales tax
shipping charge
invoice total

46 local entries

The screenshot shows the ACE Architect software interface. On the left is a tree view of the project structure under 'ACE Architect 02'. The 'Invoices' node is expanded, showing 'Local resources', 'Extractors', 'Lexicons', and 'Invoice Field Labels'. The 'Lexicons' node is selected. The main window has tabs for 'Lexicon' and 'Advanced'. The 'Lexicon' tab is active, showing a configuration dialog with sections for 'General' (Type: Lookup, Language: selected, Case Sensitive: False, Included Lexicons: empty) and 'Database Link' (Database Table: empty). Below the dialog is a detailed description of what a Lexicon is. To the right is a large list of 46 local entries, and at the bottom is a navigation bar with links to 'Lexicon', 'Invoicer', 'Invoicer', 'Invoicer', and 'Data Pattern'. A sidebar on the right contains links to 'Culture Data', 'Lexicon', 'Database Table', and 'Used By'.

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

Batch Processing

Content Models

Invoices

(local resources)

Extractors

Lexicons

Invoice Field Labels

(data model)

Acme

Enid

Express

Spartan

Standard

Data Extraction

Global Resources

Infrastructure

Reports

Lexicon Advanced

Save Cancel

General

Type: Lookup

Language:

Case Sensitive: False

Included Lexicons: (empty)

Description:

Database Link

Database Table:

Lexicon

A Lexicon is a dictionary which stores a list of keys or key-value pairs which are indexed for high-speed lookup.

Remarks

Lexicons are used throughout Grooper to store lists of words, phrases, field values, translations, weightings, and other information.

See Also

[Culture Data](#), [Lexicon](#), [Database Table](#)

Used By

[Lexicon](#), [Invoicer](#), [Invoicer](#), [Invoicer](#), [Data Pattern](#)

Edit Entries Search

delivery number
freight carrier
tracking number
ship to
bill to
account number
invoice number
invoice date
due date
amount due
po number
invoice sub total
shipping charge
tax
bill to
remit to
account number
date
invoice number
amount due
bill to
shipped to
invoice number
invoice date
purchase order
invoice total
date due
mail payment to
vendor number
customer account number
sales tax
shipping charge
invoice total

Select All Ctrl+A
Undo Ctrl+Z
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Sort Ctrl+S
Duplicate Ctrl+D
Change Case

46 local entries

The screenshot shows the ACE Architect software interface. On the left is a tree view of the project structure under 'ACE Architect 02'. The 'Invoices' node is expanded, showing 'Local resources', 'Extractors', 'Lexicons', and 'Invoice Field Labels'. The 'Lexicons' node is selected. The main window has tabs for 'Lexicon' and 'Advanced'. The 'Lexicon' tab is active, showing a configuration dialog with sections for 'General' (Type: Lookup, Language: selected, Case Sensitive: False, Included Lexicons: empty) and 'Database Link' (Database Table: empty). Below the dialog is a detailed description of what a Lexicon is. To the right is a large list of 46 local entries, and at the bottom is a navigation bar with links to 'Lexicon', 'Invoicer', 'Invoicer', 'Invoicer', and 'Data Pattern'. A sidebar on the right contains links to 'Culture Data', 'Lexicon', 'Database Table', and 'Used By'. A context menu is open over the list of local entries, showing options like Select All, Undo, Cut, Copy, Paste, Sort, Duplicate, and Change Case.

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
- Invoices
 - (local resources)
 - Extractors
 - Lexicons
 - Invoice Field Labels (data model)
- Acme
- Enid
- Express
- Spartan
- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Lexicon Advanced

Save Cancel

General

| | |
|-------------------|---------|
| Type | Lookup |
| Language | |
| Case Sensitive | False |
| Included Lexicons | (empty) |
| Description | |

Database Link

Database Table

Edit Entries Search

account number
amount due
bill to
checks to=remit to
currency
customer account number
customer contact
customer number
date|
date due
delivery number
due date
freight carrier
invoice amount
invoice date
invoice number
invoice sub total
invoice total
mail payment to=remit to
p.o. number=po number
payment terms
po number
purchase order=po number
remit to
sales order number
sales tax
ship to
shipped to
shipping charge
ship-to number
tax
tracking number
vendor number

33 local entries

Lexicon

A Lexicon is a dictionary which stores a list of keys or key-value pairs which are indexed for high-speed lookup.

Remarks

Lexicons are used throughout Grooper to store lists of words, phrases, field values, translations, weightings, and other information.

See Also

Culture Data, Lexicon, Database Table

Used By

Invoice Field Labels, Intersect, Subtract, Truncate, Data Patterns

> Global Resources / Lexicons / Training Materials / **Invoice Field Labels** 

1. Right click and select **Copy**.
2. Right click on the **Invoices → (local resources) → Lexicons** folder and select **Paste**.

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
- Invoices
 - (local resources)
 - Extractors
 - Lexicons
 - Invoice Field (data model)
- Acme
- Enid
- Express
- Spartan
- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Lexicon Advanced

Save Cancel |   

General

| | |
|-------------------|---------|
| Type | Lookup |
| Language | |
| Case Sensitive | False |
| Included Lexicons | (empty) |
| Description | |

Rename F2
Clone Ctrl+Shift+C
Delete Del
Intersect...
Subtract...
Truncate...
Share >
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Refresh F5

Lexicon

A Lexicon is a dictionary which stores a list of keys or key-value pairs which are indexed for high-speed lookup.

Remarks

Lexicons are used throughout Grooper to store lists of words, phrases, field values, translations, weightings, and other information.

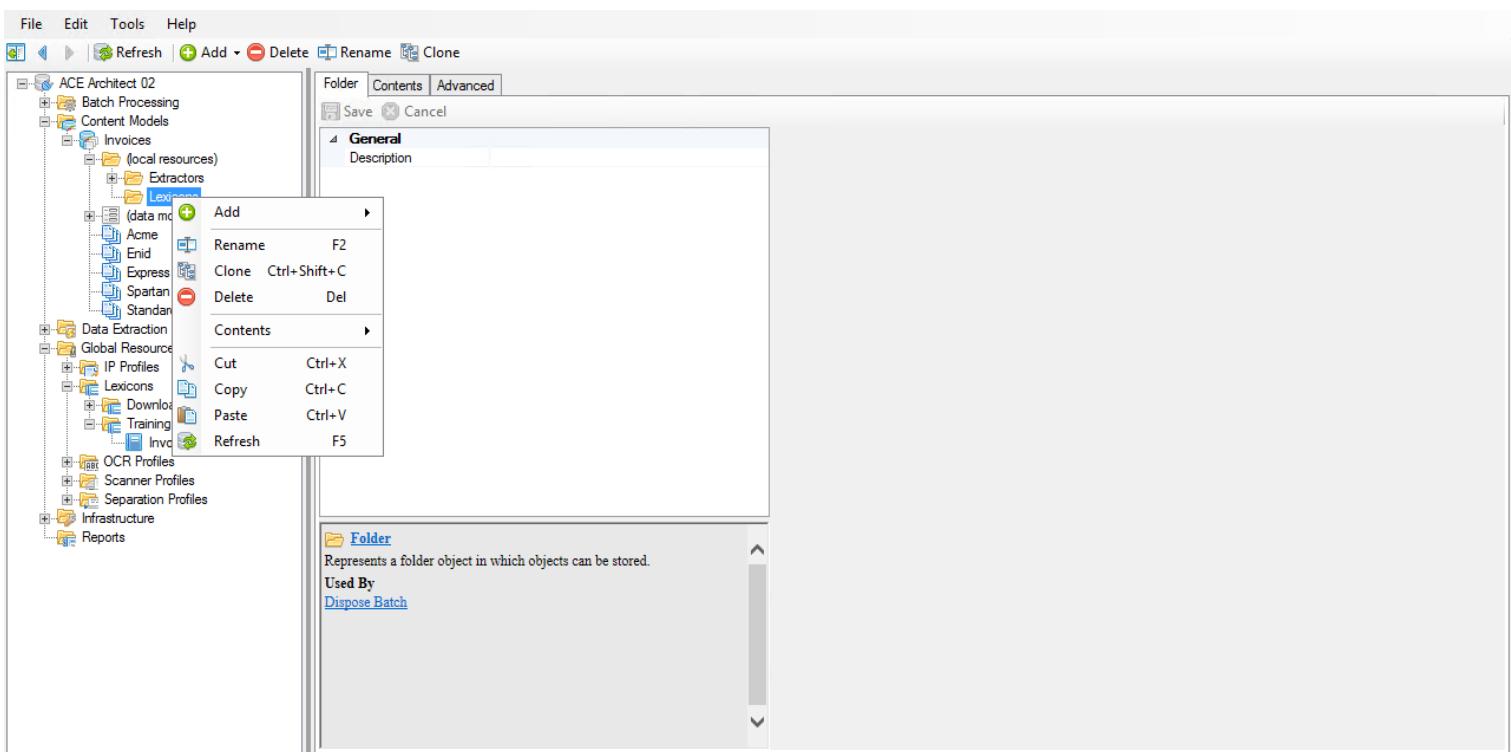
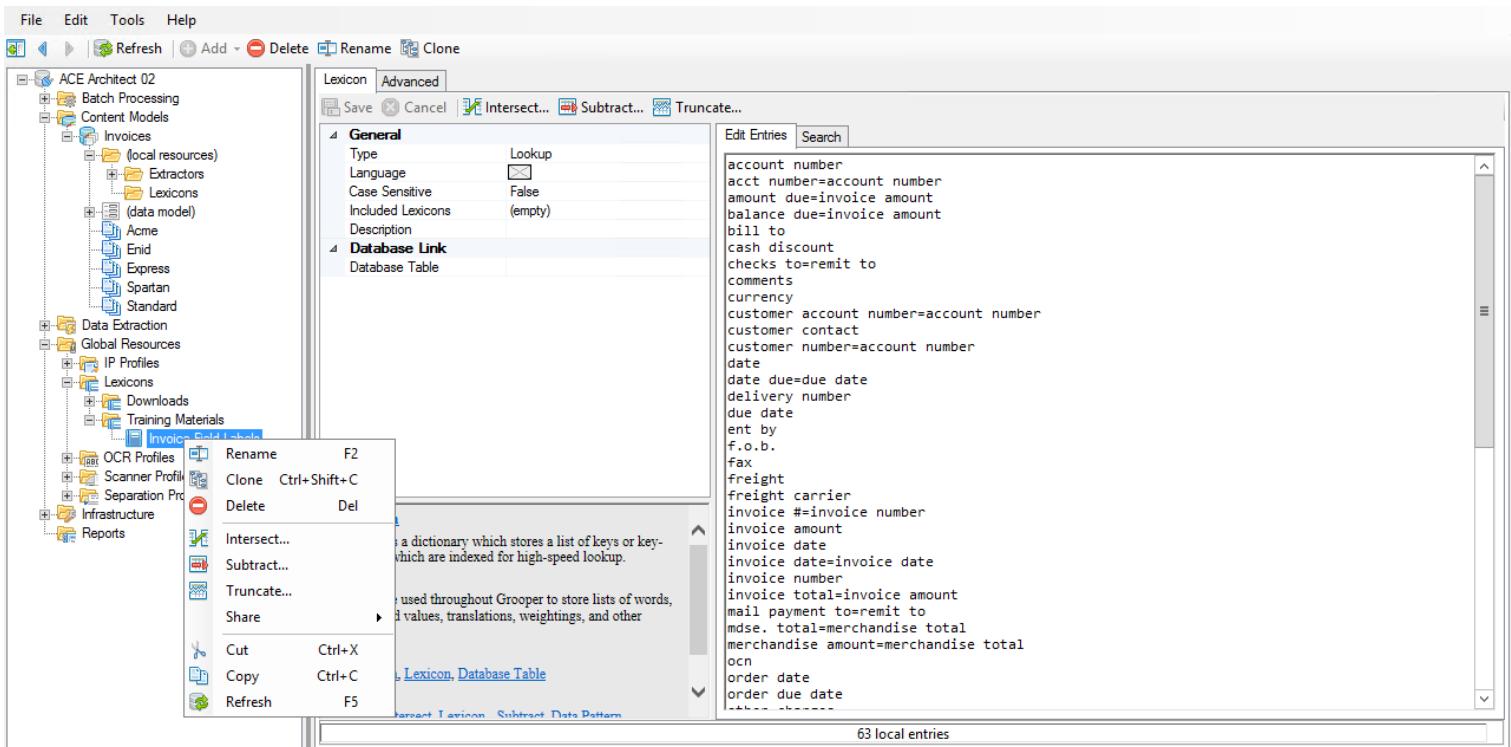
See Also

Culture Data, Lexicon, Database Table

Used By

Invoice Field Labels, Intersect, Subtract, Truncate, Data Patterns

1 local entries



File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Lexicons
 - Invoice Field Labels**
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Lexicon Advanced

Save Cancel | Intersect... Subtract... Truncate...

General

| | |
|-------------------|---|
| Type | Lookup |
| Language | <input style="width: 20px; height: 20px;" type="button" value="..."/> |
| Case Sensitive | False |
| Included Lexicons | (empty) |
| Description | |

Database Link

Database Table

Edit Entries Search

account number
acct number=account number
amount due=invoice amount
balance due=invoice amount
bill to
cash discount
checks to=remit to
comments
currency
customer account number=account number
customer contact
customer number=account number
date
date due=due date
delivery number
due date
ent by
f.o.b.
fax
freight
freight carrier
invoice #=invoice number
invoice amount
invoice date
invoice date=invoice date
invoice number
invoice total=invoice amount
mail payment to=remit to
mdse. total=merchandise total
merchandise amount=merchandise total
ocn
order date
order due date

63 local entries

Lexicon

A Lexicon is a dictionary which stores a list of keys or key-value pairs which are indexed for high-speed lookup.

Remarks

Lexicons are used throughout Grooper to store lists of words, phrases, field values, translations, weightings, and other information.

See Also

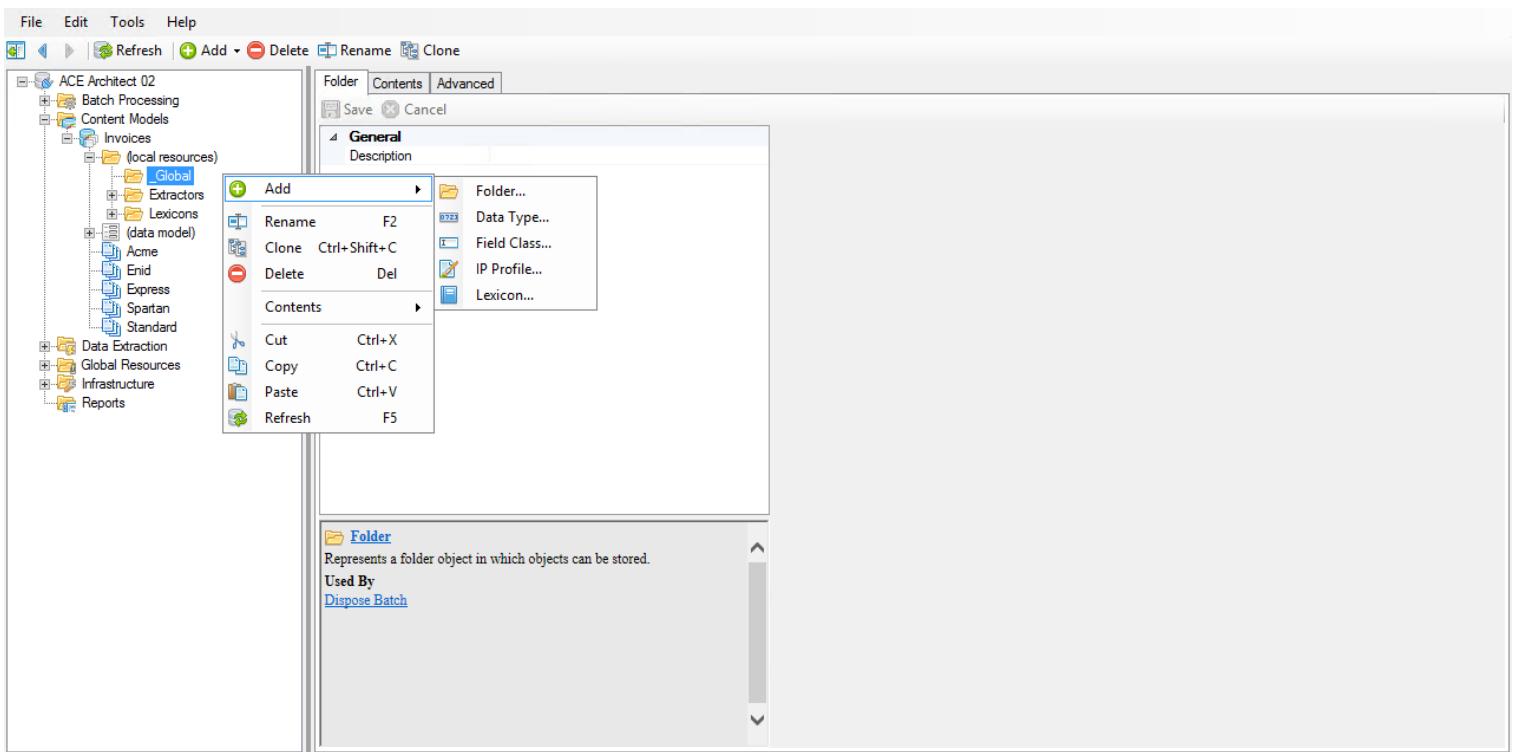
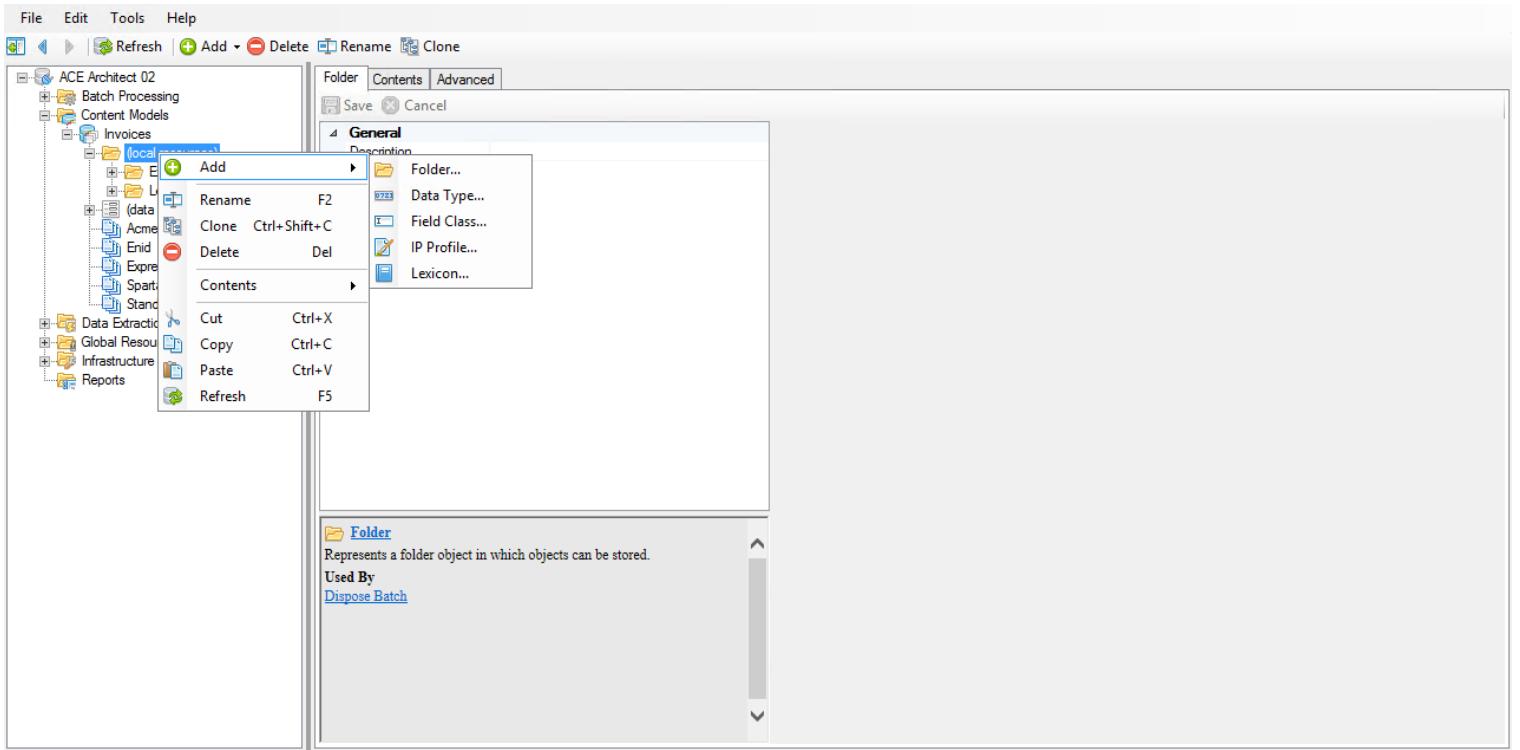
Culture Data, Lexicon, Database Table

Used By

Lexicon, Intersect, Subtract, Data Pattern

> Content Models / Invoices / (**local resources**)

1. Right click and select **Add → Folder...**.
2. Name it **_Global**.
3. Right click on the **_Global** folder and select **Add → Data Type...**.
4. Name it **Invoice Field Labels**.
5. Click to edit the **Pattern**.



ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Invoice Field Labels
 - Extractors
 - Lexicons
 - (data model)
 - Acme
 - End
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Type | Scripting | Contents | Advanced | Save | Cancel | Run Extraction | 0 results in 0 ms

General

- Value Type: String
- Culture Filter:
- Description:

Data Extraction

- Pattern: (empty)
- Referenced Extractors: (empty)
- Input Filter: (empty)
- Exclusion Extractor: (empty)

Output

- Collation: Individual
- Order By: Position
- Direction: Ascending
- Result Filter: (empty)

Deduplication

- Deduplicate Locations: False
- Deduplicate Values: False

Image View | **Text View**

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103405

Scale: 25 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Data Type

Batch: Invoices

Value

| Value | Confidence | Page No. | Index | Length | Extractor |
|-------|------------|----------|-------|--------|-----------|
| | | | | | |

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Invoice Field Labels
 - Extractors
 - Lexicons
 - (data model)
 - Acme
 - End
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Type | Scripting | Contents | Advanced | Save | Cancel | Run Extraction | 0 results in 0 ms

General

- Value Type: String
- Culture Filter:
- Description:

Data Extraction

- Pattern: (empty)
- Referenced Extractors: (empty)
- Input Filter: (empty)
- Exclusion Extractor: (empty)

Output

- Collation: Individual
- Order By: Position
- Direction: Ascending
- Result Filter: (empty)

Deduplication

- Deduplicate Locations: False
- Deduplicate Values: False

Image View | **Text View**

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103405

Scale: 25 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Pattern

Batch: Invoices

Value

| Value | Confidence | Page No. | Index | Length | Extractor |
|-------|------------|----------|-------|--------|-----------|
| | | | | | |

1. Edit the pattern(s):

Value Pattern

[^\r\n\t\f:]+

2. Switch to the **Properties** tab.

3. Change the following property value(s):

| Property | Default Value | New Value |
|-----------------------|-----------------|----------------|
| General | | |
| Preprocessing Options | None | |
| → Tab Marking | Disabled | Enabled |

4. In the **Lookup and Translation** section, click to edit the **Lookup Options**.

OK Cancel

Pattern Editor Properties

Value Pattern

Look Ahead Pattern

Look Behind Pattern

Output Format

-Empty Expression-

Batch: Invoices

Results (0)

Image Text

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice Page 1 / 01

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference Our Reference

| | |
|-----------------------------|---------------------------|
| P.O. number : 201017081 | Date : 11/14/2008 |
| Customer number : 18003405 | Invoice number : 74451405 |
| Customer contact : | Ship-to Number : 18103943 |
| Currency : USD | Sales order no : 33241729 |
| Invoice amount : 1,727.13 | Delivery number : 5515616 |
| Payment terms : Net 30 days | Freight carrier : |

Scale: 34 % 2545px x 3285px 8.48" x 10.95" 300 DPI Black & White

Results (0) Confidence Page No Index Length

Invoices

- Acme (1)
- Standard (2)
- Express (3)
- Spartan (4)

OK **Cancel**

Pattern Editor **Properties**

Value Pattern: `1 [^\r\n\t\f:]+`

Look Ahead Pattern: `1`

Look Behind Pattern: `1`

Output Format

OK: `[\r\n\t\f:]+`

Batch: Invoices

- Invoices
- + Acme (1)
- + Standard (2)
- + Express (3)
- + Spartan (4)

Image **Text**

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice **Page**
Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000
Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference **Our Reference**

| | | | | | |
|------------------|---|-------------|-----------------|---|------------|
| P.O. number | : | 201017081 | Date | : | 11/14/2008 |
| Customer number | : | 18003405 | Invoice number | : | 74451405 |
| Customer contact | : | | Ship-to Number | : | 18103943 |
| Currency | : | USD | Sales order no | : | 33241729 |
| Invoice amount | : | 1,727.13 | Delivery number | : | 5515616 |
| Payment terms | : | Net 30 days | Freight carrier | : | |

Scale: 34 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Results (41)

| | Confidence | Page No | Index | Length |
|--|------------|---------|-------|--------|
| Checks to | 100 % | 1 | 0 | 9 |
| ACME INTERNATIONAL Acme International, Inc | 100 % | 1 | 12 | 42 |
| 123 South Main | 100 % | 1 | 56 | 14 |
| Acme International, Inc Durham, NH 03824 | 100 % | 1 | 72 | 40 |

OK **Cancel**

Pattern Editor **Properties**

General

- Value Type: String
- Mode: RegEx
- Case Sensitive: False

Preprocessing Options

- Tab Marking**: **Enabled**
- Paragraph Marking: Disabled
- Vertical Tab Marking: Disabled
- Ignore Control Characters: None

Regional Settings

- Expression Lexicon: (empty)
- Referenced Lexicons: (empty)

Regular Expression

Value Pattern: `[\r\n\t\f:]+`

Look Ahead Pattern

Look Behind Pattern

Output Format

Lookup and Translation

Lookup Options: (empty)

Tab Marking

Batch: Invoices

- Invoices
- + Acme (1)
- + Standard (2)
- + Express (3)
- + Spartan (4)

Image **Text**

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice **Page**
Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000
Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference **Our Reference**

| | | | | | |
|------------------|---|-------------|-----------------|---|------------|
| P.O. number | : | 201017081 | Date | : | 11/14/2008 |
| Customer number | : | 18003405 | Invoice number | : | 74451405 |
| Customer contact | : | | Ship-to Number | : | 18103943 |
| Currency | : | USD | Sales order no | : | 33241729 |
| Invoice amount | : | 1,727.13 | Delivery number | : | 5515616 |
| Payment terms | : | Net 30 days | Freight carrier | : | |

Scale: 34 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Results (91)

| | Confidence | Page No | Index | Length |
|-------------------------|------------|---------|-------|--------|
| Checks to | 100 % | 1 | 0 | 9 |
| ACME | 100 % | 1 | 12 | 4 |
| INTERNATIONAL | 100 % | 1 | 17 | 13 |
| Acme International, Inc | 100 % | 1 | 31 | 23 |

OK Cancel

91 results in 5 ms | Reference Material ▾

Pattern Editor Properties

General

- Value Type: String
- Mode: RegEx
- Case Sensitive: False
- Preprocessing Options: Tabs (empty)
- Regional Settings: Expression Lexicon (empty)
- Referenced Lexicons: (empty)

Regular Expression

- Value Pattern: [^\v\n\v\f]+
- Look Ahead Pattern:
- Look Behind Pattern:
- Output Format:

Lookup and Translation

- Lookup Options: (empty)
- Group Lookup Options: (0 Group Lookup Options objects)
- Local Vocabulary Entries: 0 entries

Output Options

- Maximum Result Count: 0

Lookup Options

Batch: Invoices

```

Invoices
  +-- Acme (1)
  +-- Standard (2)
  +-- Express (3)
  +-- Spartan (4)
  
```

Image Text

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference

| | | |
|------------------|---|-------------|
| P.O. number | : | 201017081 |
| Customer number | : | 18003405 |
| Customer contact | : | |
| Currency | : | USD |
| Invoice amount | : | 1,727.13 |
| Payment terms | : | Net 30 days |

Our Reference

| | | |
|-----------------|---|------------|
| Date | : | 11/14/2008 |
| Invoice number | : | 74451405 |
| Ship-to Number | : | 18103943 |
| Sales order no | : | 33241729 |
| Delivery number | : | 5515616 |
| Freight carrier | : | |

Scale: 34 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Results (91)

| | Confidence | Page No. | Index | Length |
|-------------------------|------------|----------|-------|--------|
| Checks to | 100 % | 1 | 0 | 9 |
| ACME | 100 % | 1 | 12 | 4 |
| INTERNATIONAL | 100 % | 1 | 17 | 13 |
| Acme International, Inc | 100 % | 1 | 31 | 23 |

> Content Models / Invoices / (local resources) / _Global / **Invoice Field Labels**

1. Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------------|-----------------------------|
| General | | |
| Vocabulary | (none) | |
| → Included Lexicons | (0 Lexicon Objects) | Invoice Field Labels |
| Enable Translation | False | True |
| Fuzzy Lookup Options | | |
| Fuzzy Match Similarity | 100% | 90% |

2. Press **OK**.

OK **Cancel**

Pattern Editor **Properties**

General

- Value Type: String
- Mode: RegEx
- Case Sensitive: False
- Preprocessing Options: (empty)
- Regional Settings: Expression Lexicon
- Referenced Lexicons: (empty)

Regular Expression

- Value Pattern: [^\v\n\v\f]+
- Look Ahead Pattern:
- Look Behind Pattern:
- Output Format:

Lookup and Translation

- Lookup Options: (empty)
- Group Lookup Options: (0 Group Lookup Options objects)
- Local Vocabulary Entries: 0 entries

Output Options

- Maximum Result Count: 0

Lookup Options

Batch: Invoices

Invoices

- + Acme (1)
- + Standard (2)
- + Express (3)
- + Spartan (4)

Lookup Options

OK Cancel

Image **Text**

Lookup Options

OK Cancel

General

- Vocabulary: (empty)
- Type: Lookup
- Case Sensitive: False
- Local Entries: 0 entries
- Included Lexicons: (0 Lexicon objects)

Exclusions

- Clean Key
- Porter Stemming

Included Lexicons

One or more lexicons to include.

Remarks

Only lexicon

Results (91)

| | Confidence | Page No | Index | Length |
|-------------------------|------------|---------|-------|--------|
| Checks to | 100 % | 1 | 0 | 9 |
| ACME | 100 % | 1 | 12 | 4 |
| INTERNATIONAL | 100 % | 1 | 17 | 13 |
| Acme International, Inc | 100 % | 1 | 31 | 23 |

OK **Cancel**

Pattern Editor **Properties**

General

- Value Type: String
- Mode: RegEx
- Case Sensitive: False
- Preprocessing Options: (empty)
- Regional Settings: Expression Lexicon
- Referenced Lexicons: (empty)

Regular Expression

- Value Pattern: [^\v\n\v\f]+
- Look Ahead Pattern:
- Look Behind Pattern:
- Output Format:

Lookup and Translation

- Lookup Options: (empty)
- Group Lookup Options: (0 Group Lookup Options objects)
- Local Vocabulary Entries: 0 entries

Output Options

- Maximum Result Count: 0

Lookup Options

Batch: Invoices

Invoices

- + Acme (1)
- + Standard (2)
- + Express (3)
- + Spartan (4)

Lookup Options

OK Cancel

Image **Text**

Lookup Options

OK Cancel

General

- Vocabulary: 1 lexicon: Invoice Field Labels
- Case Sensitive: False
- Type: Lookup
- Local Entries: 0 entries
- Included Lexicons: (1 Lexicon)

Exclusions

- Clean Key
- Enable Translation: **True**
- Match Case: False
- Porter Stemming: False

Fuzzy Lookup Options

- Fuzzy Match Similarity: 100%

Enable Translation

Type: Boolean Default: False

If enabled, values will be translated to the replacement values specified in the vocabulary.

Remarks

Vocabulary entries may consist of key-value pairs, using the = symbol as a delimiter. For example, the vocabulary entry OK=Oklahoma indicates that if the value "OK" is found, it should be translated to "Oklahoma". If the vocabulary entry does not specify a replacement value, then no translation will be performed.

Results (91)

| | Confidence | Page No | Index | Length |
|-------------------------|------------|---------|-------|--------|
| Checks to | 100 % | 1 | 0 | 9 |
| ACME | 100 % | 1 | 12 | 4 |
| INTERNATIONAL | 100 % | 1 | 17 | 13 |
| Acme International, Inc | 100 % | 1 | 31 | 23 |

OK Cancel

Pattern Editor Properties

Image Text

General

- Value Type String
- Mode RegEx
- Case Sensitive False
- Preprocessing Options (empty)
- Regional Settings Expression Lexicon
- Referenced Lexicons (empty)

Regular Expression

- Value Pattern [^\v\n\nV]+
- Look Ahead Pattern
- Look Behind Pattern
- Output Format

Lookup and Translation

- Lookup Options Invoice Field Labels (100)
- Group Lookup Options (0 Group Lookup Options obje
- Local Vocabulary Entries 0 entries

Output Options

- Maximum Result Count 0

Lookup Options

Batch: Invoices

- Standard (15)
- Acme (16)
- Express (17)
- End (18)
- Acme (19)

Lookup Options

1 lexicon: Invoice Field Labels

OK Cancel

General

- Vocabulary (empty)
- Exclusions False
- Clean Key True
- Enable Translation False
- Match Case False
- Porter Stemming False

Fuzzy Lookup Options

- Fuzzy Match Similarity 90%
- Fuzzy Match Minimum Length 0
- Fuzzy Match Depth 0
- Fuzzy Match Weightings (empty)
- Fuzzy Match Vocabulary (empty)

Fuzzy Match Similarity

Type: Double Default: 100% Range: 0% - 100%

The percentage of similarity required for a fuzzy match. A value of 100% will disable fuzzy matching.

Remarks

Controls how similar a fuzzy match candidate must be to the extracted value in order for a replacement to occur.

Percent Converter

Displays a double-precision floating point property as a percentage. Percent values must be positive and may be

Characters: 1,088 Lines: 32 Current Line: 0 Current Page: 1

| Results (14) | Confidence | Page No | Index | Length |
|----------------|------------|---------|-------|--------|
| invoice number | 100 % | 1 | 29 | 14 |
| invoice date | 100 % | 1 | 55 | 12 |
| bill to | 100 % | 1 | 81 | 7 |
| po number | 100 % | 1 | 91 | 14 |

> Content Models / Invoices / (local resources) / _Global / **Invoice Field Labels** 0723

- In the Output Options section, click to edit Result Filter.
- In the Result Filter window, set the Output Case property to Lower.
- Press OK to close the Result Filter window.
- Press OK to close the pattern editor window.

OK **Cancel**

Pattern Editor **Properties**

Expression Lexicon
Referenced Lexicons (empty)

Regular Expression
Value Pattern: `[^\v\n\t\f]+`

Lookup and Translation
Lookup Options
Group Lookup Options (0 Group Lookup Options objects)
Local Vocabulary Entries 0 entries

Output Options
Maximum Result Count 0
Remove Control Characters False
Trim False
Result Filter (empty)

nGram Options
nGram Size 1

Result Filter

Batch: Invoices

- + Standard (15)
- + Acme (16)
- + Express (17) **Selected**
- + Enid (18)
- + Acme (19)

Image **Text**

TEXAS EXPRESS
Dallas, TX

INVOICE

Invoice Number: 14292402
Invoice Date: 10/29/2008
Purchase Order: 010013661

Bill To:

Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Invoice Total: \$458.97
Date Due: 11/28/2008

Mail Payment To: Express Manufacturing
12333 N Dallas Tollway
Dallas, TX 75032

You may deduct \$9.03 if paid on or before 11/09/08.
Terms: 2% 10 Days, Net 30 Days, on Merchandise Only.

Scale: 35 % | 2503px x 3279px | 8.34" x 10.93" | 300 DPI | Black & White

| | Confidence | Page No | Index | Length |
|----------------|------------|---------|-------|--------|
| po number | 100 % | 1 | 91 | 14 |
| invoice amount | 100 % | 1 | 153 | 13 |
| due date | 100 % | 1 | 194 | 8 |
| Remit To | 93 % | 1 | 230 | 15 |

OK **Cancel**

Pattern Editor **Properties**

Expression Lexicon
Referenced Lexicons (empty)

Regular Expression
Value Pattern: `[^\v\n\t\f]+`

Lookup and Translation
Lookup Options
Group Lookup Options (0 Group Lookup Options objects)
Local Vocabulary Entries 0 entries

Output Options
Maximum Result Count 0
Remove Control Characters False
Trim False
Result Filter (empty)

nGram Options
nGram Size 1

Result Filter

Batch: Invoices

- + Standard (15)
- + Acme (16)
- + Express (17) **Selected**
- + Enid (18)
- + Acme (19)

Image **Text**

TEXAS EXPRESS

INVOICE

Invoice Number: 14292402
Invoice Date: 10/29/2008
Purchase Order: 010013661

Bill To:

Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Invoice Total: \$458.97
Date Due: 11/28/2008

Mail Payment To: Express Manufacturing
12333 N Dallas Tollway
Dallas, TX 75032

You may deduct \$9.03 if paid on or before 11/09/08.
Terms: 2% 10 Days, Net 30 Days, on Merchandise Only.

Result Filter

Character Casing
Case Filter: None
Output Case: Lower

Page and Location
Page Filter
Location Filter: (0,0):(0,0)

Length Filtering
Minimum Length: 0
Maximum Length: 0

Horizontal Alignment
Alignment: Any

Font Size
Minimum Font Size: 0
Maximum Font Size: 0

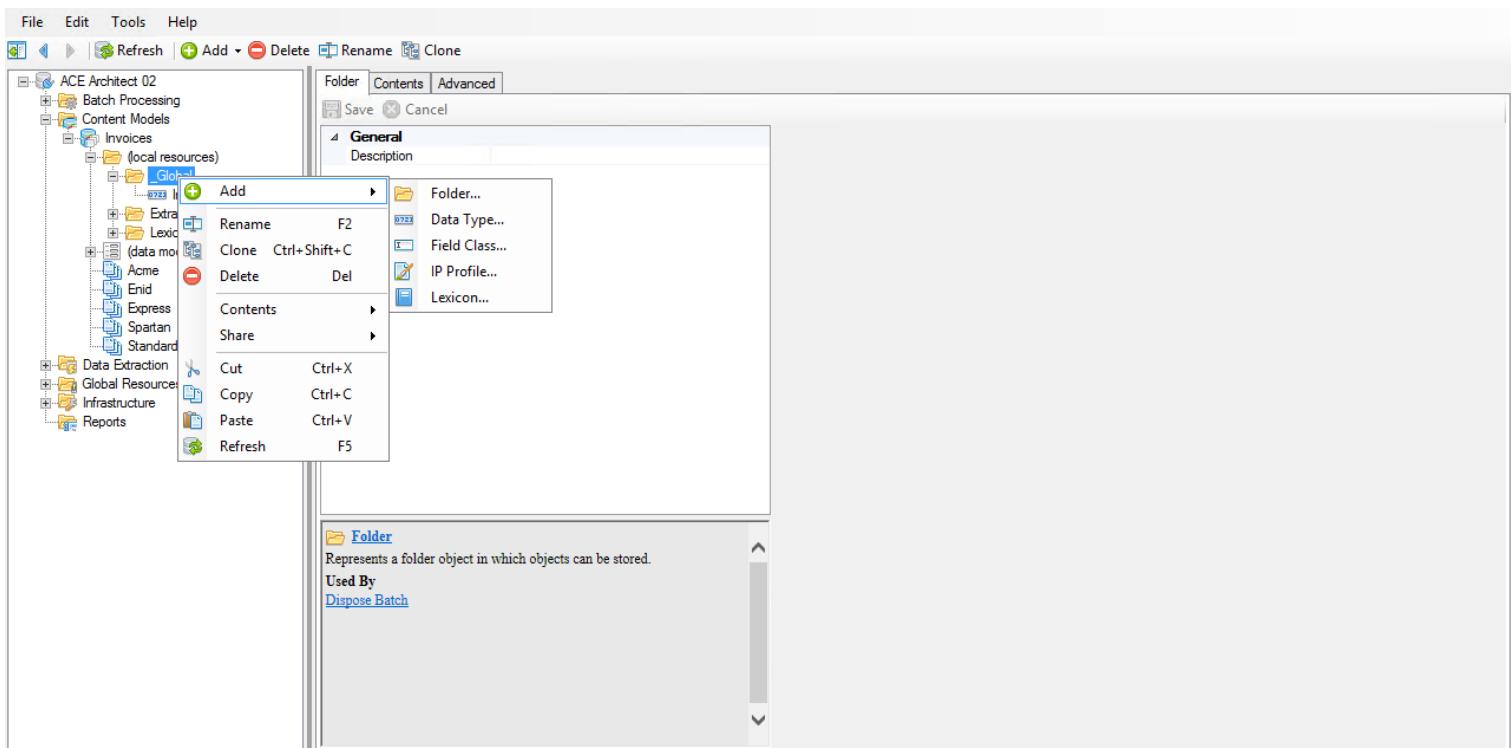
Default Set Options

Output Case
Type: CharacterCasing, Default: None
If set to a value other than None, will change the case of output instances to match the selected case. A combination of the following flags:

- None: No case filtering will be performed.
- Upper: Indicates that UPPER CASE results should be included.
- Lower: Indicates that lower case results should be included.
- Title: Indicates that Title Case results should be included.

| | Confidence | Page No | Index | Length |
|----------------|------------|---------|-------|--------|
| po number | 100 % | 1 | 91 | 14 |
| invoice amount | 100 % | 1 | 153 | 13 |
| due date | 100 % | 1 | 194 | 8 |
| Remit To | 93 % | 1 | 230 | 15 |

1. Right click and select **Add → Data Type...**.
2. Name it **[Array] PO Number**.
3. Add two child Data Formats to the [Array] PO Number Data Type:
 - a. Purchase
 - b. Order Number



File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - _Global
 - [Array] PO Number
 - Purchase
 - Order Number
 - Extractors
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction 0 results in 0 ms

General

- Value Type String
- Culture Filter
- Description

Data Extraction

- Pattern (empty)
- Referenced Extractors (empty)
- Input Filter (empty)
- Exclusion Extractor (empty)

Output

- Collation Individual
- Order By Position
- Direction Ascending
- Result Filter (empty)

Deduplication

- Deduplicate Locations False
- Deduplicate Values False

Data Type

Batch: Invoices

- Express (3)
- Spartan (4)
- Enid (5)

Image View Text View

Enid Parts

INVOICE

| | | |
|--------------|--------------|------|
| INVOICE DATE | INVOICE # | PAGE |
| 12-05-08 | CSI/10076138 | 1 |

PH: (405) 555-1212
FAX: (405) 444-2121

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73703

SOLD Grooper Industries
TO: 13900 N Harvey
Edmond, OK 73013

SHIP Grooper Industries
TO: 13900 N Harvey
Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |

ITEM NUMBER ITEM DESCRIPTION

QUANTITY ORDERED QUANTITY SHIPPED STK UNIT PRICE UNIT DISCOUNT EXTENDED PRICE

Scale: 25 % 2548px x 3287px 8.49" x 10.96" 300 DPI Black & White

Value Confidence Page No Index Length Extractor

> Content Models / Invoices / (local resources) / _Global / [Array] PO Number / Purchase

A

1. Select Enid (5).

2. Edit the pattern(s):

Value Pattern

purchase

Output Format

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - [Array] PO Number
 - Purchase
 - Order Number
 - Extractors
 - Lexicons
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Format **Contents** **Advanced**

Pattern Editor **Properties**

Value Pattern

Look Ahead Pattern

Look Behind Pattern

Output Format

Empty Expression

Batch: Invoices

- Standard (2)
- Express (3)
- Spartan (4)
- Enid (5)**

Image **Text**

Enid Parts

INVOICE

| | | |
|--------------|--------------|------|
| INVOICE DATE | INVOICE # | PAGE |
| 12-05-08 | CSI/10076138 | 1 |

PH: (405) 555-1212
FAX: (405) 444-2121

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73703

SOLD: Grooper Industries
TO: 13900 N Harvey
Edmond, OK 73013

SHIP: Grooper Industries
TO: 13900 N Harvey
Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |

ITEM NUMBER

ITEM DESCRIPTION

Quantity Ordered | Quantity Shipped | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE

Scale: 27 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Results (0)

Confidence Page No Index Length

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - [Array] PO Number
 - Purchase
 - Order Number
 - Extractors
 - Lexicons
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Format **Contents** **Advanced**

Pattern Editor **Properties**

Value Pattern

Look Ahead Pattern

Look Behind Pattern

Output Format

po|
OK: purchase

Batch: Invoices

- Standard (2)
- Express (3)
- Spartan (4)
- Enid (5)**

Image **Text**

1 results in 4 ms | Reference Material

INVOICE

| | | |
|--------------|--------------|------|
| INVOICE DATE | INVOICE # | PAGE |
| 12-05-08 | CSI/10076138 | 1 |

PH: (405) 555-1212
FAX: (405) 444-2121

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73703

SOLD: Grooper Industries
TO: 13900 N Harvey
Edmond, OK 73013

SHIP: Grooper Industries
TO: 13900 N Harvey
Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |

ITEM NUMBER

ITEM DESCRIPTION

Quantity Ordered | Quantity Shipped | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE

7706.1052.
500.0000

Packing Slip No. : 100093121
F ea
Wheel - Carrier
3.2600 Gross

1630.000

Scale: 27 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Results (1)

Confidence Page No Index Length

100 % 1 322 8

> Content Models / Invoices / (local resources) / _Global / [Array] PO Number / Order

Number A

1. Select Enid (5).

2. Edit the pattern(s):

Value Pattern

order number

Output Format

File Edit Tools Help

Refresh Add Delete Rename Clone

Data Format Contents Advanced

Save Cancel Generate...

1 results in 5 ms Reference Material

Pattern Editor Properties

Value Pattern

1|order-number

Look Ahead Pattern

1|

Look Behind Pattern

1|

Output Format

number

OK: order number

Batch: Invoices

Standard (2)

Express (3)

Spartan (4)

Enid (5)

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73013

PH: (405) 555-1212
FAX: (405) 444-2121

Grooper Industries
13900 N Harvey
Edmond, OK 73013

Grooper Industries
13900 N Harvey
TO: Edmond, OK 73013

SHIP DATE: 12-03-08 **TERMS:** Net 30

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|------------------|------------------------|------------------|------------------------|--|----------|----------------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |
| ITEM DESCRIPTION | | | | | | | |
| ITEM NUMBER | QUANTITY ORDERED | QUANTITY SHIPPED | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE | |
| | 7706.1052. 500.0000 | 500.0000 | Packing Slip No. ea | : 100093121 Wheel - Carrier 3.2600 Gross | | 1630.000 | |

Scale: 27% | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Results (1)
number

Confidence Page No. Index Length

100 % 1 379 12

Change the following property value(s):

| Property | Default Value | New Value |
|-------------------------|---------------|------------------|
| Output | | |
| Collation | Individual | Ordered Array |
| → Vertical Layout | Disabled | Enabled |
| → → Maximum Distance | - | 0.25 |
| → → Alignment | - | Center |
| → → Alignment Tolerance | - | 0.1 |
| → Row Separator | - | (a single space) |

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - _Global
 - [Array] PO Number
 - Extractors
 - Lexicons (data model)
- Acme
- Enid
- Express
- Spartan
- Standard

Data Extraction Global Resources Infrastructure Reports

Save Cancel Run Extraction 2 results in 1 ms

General

- Value Type String
- Culture Filter
- Description

Data Extraction

- Pattern (empty)
- Referenced Extractors (empty)
- Input Filter (empty)
- Exclusion Extractor (empty)

Output

- Collation Individual
- Order By Position
- Direction Ascending
- Result Filter (empty)

Deduplication

- Duplicate Locations False
- Duplicate Values False

Data Type

Batch: Invoices

Image View Text View

PH: (405) 555-1212
FAX: (405) 444-2121

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73013

SOLD Grooper Industries
TO: Edmond, OK 73013

SHIP Grooper Industries
TO: 13900 N Harvey
Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|------------------------|------------|------------------|--------------|-----------------------|--|-----------|----------------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |
| ITEM NUMBER | | | | | | | |
| QUANTITY ORDERED | | QUANTITY SHIPPED | | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE |
| 7706.1052. 500.0000 | | 500.0000 | | F | 100093121 Wheel - Carrier 3.2600 Gross | | 1630.000 |

Scale: 25 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Results (2)

| po | Confidence | Page No. | Index | Length | Extractor |
|--------|------------|----------|-------|--------|--------------|
| number | 100 % | 1 | 322 | 8 | Purchase |
| | | | 379 | 12 | Order Number |

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - [Array] PO Number
 - Purchase
 - Order Number
 - Extractors
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction 1 results in 1 ms

General

- Value Type String
- Culture Filter
- Description

Data Extraction

- Pattern (empty)
- Referenced Extractors (empty)
- Input Filter (empty)
- Exclusion Extractor (empty)

Output

- Collation
 - Horizontal Layout Disabled
 - Vertical Layout Enabled Maximum Distance 0.25 Alignment Center Alignment Tolerance 0.1 Flow Layout Disabled Combine Method Individual
- Result Separator |

Result Separator

Batch: Invoices

- Express (3)
- Spartan (4)
- Enid (5)

Image View Text View

PH: (405) 555-1212 FAX: (405) 444-2121 REMIT TO: Enid Parts 586 West Industrial Road Enid, OK 73703

12-05-08 CSI/10076138 1

SOLD Grooper Industries 13900 N Harvey SHIP Grooper Industries 13900 N Harvey TO: Edmond, OK 73013 TO: Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |

ITEM NUMBER QUANTITY ORDERED QUANTITY SHIPPED STK UNIT PRICE UNIT DISCOUNT EXTENDED PRICE

7706.1052, 500.0000 500.0000 F ea 3.2600 Gross 1630.000

Scale: 25 % 2548px x 3287px 8.49" x 10.96" 300 DPI Black & White

Results (1) Confidence Page No Index Length Extractor

ponumber 100 % 1 322 69 [Array] PO Number

> Content Models / Invoices / (local resources) / _Global 

1. Drag the [Array] PO Number Data Type on top of the Invoice Field Labels Data Type.
2. Select the Invoice Field Labels Data Type to ensure the array is now being included in the results.

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - [Array] PO Number
 - Purchase
 - Order Number
 - Extractors
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction 1 results in 1 ms

General

- Value Type String
- Culture Filter
- Description

Data Extraction

- Pattern (empty)
- Referenced Extractors (empty)
- Input Filter (empty)
- Exclusion Extractor (empty)

Output

- Collation
 - Horizontal Layout Disabled
 - Vertical Layout Enabled Maximum Distance 0.25 Alignment Center Alignment Tolerance 0.1 Flow Layout Disabled Combine Method Individual
- Result Separator |

Result Separator

Batch: Invoices

- Express (3)
- Spartan (4)
- Enid (5)

Image View Text View

PH: (405) 555-1212 FAX: (405) 444-2121 REMIT TO: Enid Parts 586 West Industrial Road Enid, OK 73703

12-05-08 CSI/10076138 1

SOLD Grooper Industries 13900 N Harvey SHIP Grooper Industries 13900 N Harvey TO: Edmond, OK 73013 TO: Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |

ITEM NUMBER QUANTITY ORDERED QUANTITY SHIPPED STK UNIT PRICE UNIT DISCOUNT EXTENDED PRICE

7706.1052, 500.0000 500.0000 F ea 3.2600 Gross 1630.000

Scale: 25 % 2548px x 3287px 8.49" x 10.96" 300 DPI Black & White

Results (1) Confidence Page No Index Length Extractor

po number 100 % 1 322 69 [Array] PO Number

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - _Global
 - [Array] PO Number
 - [Array] Invoice Field Labels
 - Extractors
 - Lexicons
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction 1 results in 1 ms

General

- Value Type String
- Culture Filter
- Description

Data Extraction

- Pattern (empty)
- Referenced Extractors (empty)
- Input Filter (empty)
- Exclusion Extractor (empty)

Output

- Collation Ordered Array
- Horizontal Layout Disabled
- Vertical Layout Enabled Maximum Distance 0.25 Alignment Center Alignment Tolerance 0.1
- Flow Layout Disabled
- Combine Method Individual
- Result Separator

Confirmation

Move '[Array] PO Number' to 'Invoice Field Labels'?

Yes No

Result Separator

Batch: Invoices

- Express (3)
- Spartan (4)
- Enid (5)

Image View Text View

PH: (405) 555-1212 FAX: (405) 444-2121

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73703

SOLD Grooper Industries
13900 N Harvey

SHIP Grooper Industries
13900 N Harvey
TO: Edmond, OK 73013

| R | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|----|--------------|-----------------------|----------|-----------|--------|
| 10 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |

ITEM DESCRIPTION

SHIPPED STK UNIT PRICE UNIT DISCOUNT EXTENDED PRICE

ng Slip No.: 100093121 Wheel - Carrier 3.2600 Gross 1630.000

Scale: 25 % 2548px x 3287px 8.49" x 10.96" 300 DPI Black & White

Results (1) Confidence Page No. Index Length Extractor

po number 100 % 1 322 69 [Array] PO Number

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - _Global
 - [Array] PO Number
 - [Array] Invoice Field Labels
 - Extractors
 - Lexicons
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction 1 results in 1 ms

General

- Value Type String
- Culture Filter
- Description

Data Extraction

- Pattern (empty)
- Referenced Extractors (empty)
- Input Filter (empty)
- Exclusion Extractor (empty)

Output

- Collation Ordered Array
- Horizontal Layout Disabled
- Vertical Layout Enabled Maximum Distance 0.25 Alignment Center Alignment Tolerance 0.1
- Flow Layout Disabled
- Combine Method Individual
- Result Separator

Confirmation

Move '[Array] PO Number' to 'Invoice Field Labels'?

Yes No

Result Separator

Batch: Invoices

- Express (3)
- Spartan (4)
- Enid (5)

Image View Text View

PH: (405) 555-1212 FAX: (405) 444-2121

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73703

SOLD Grooper Industries
13900 N Harvey

SHIP Grooper Industries
13900 N Harvey
TO: Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |

ITEM NUMBER ITEM DESCRIPTION

QUANTITY ORDERED QUANTITY SHIPPED STK UNIT PRICE UNIT DISCOUNT EXTENDED PRICE

Packing Slip No.: 100093121 Wheel - Carrier 3.2600 Gross 1630.000

7706.1052. 500.0000 F ea

Scale: 25 % 2548px x 3287px 8.49" x 10.96" 300 DPI Black & White

Results (1) Confidence Page No. Index Length Extractor

po number 100 % 1 322 69 [Array] PO Number

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - [Array] PO Number
 - Extractors
 - Lexicons
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction 16 results in 2 ms

General

- Value Type String
- Culture Filter
- Description

Data Extraction

- Pattern RegEx: [^\r\n\t\f]+
- Referenced Extractors (empty)
- Input Filter (empty)
- Exclusion Extractor (empty)

Output

- Collation Individual
- Order By Position
- Direction Ascending
- Result Filter (empty)

Deduplication

- Deduplicate Locations False
- Deduplicate Values False

Data Type

Batch: Invoices

- Express (3)
- Spartan (4)
- Enid (5)

Image View Text View

Enid Parts

INVOICE

| | | |
|--------------|--------------|------|
| INVOICE DATE | INVOICE # | PAGE |
| 12-05-08 | CSI/10076138 | 1 |

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73703

SOLD Grooper Industries
TO: 13900 N Harvey
Edmond, OK 73013

SHIP Grooper Industries
TO: 13900 N Harvey
Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|------------------------------|------------------|-----------------|--------------|-----------------------|----------------|-----------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |
| ITEM NUMBER ITEM DESCRIPTION | | | | | | | |
| QUANTITY ORDERED | QUANTITY SHIPPED | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE | | |

Scale: 25 % 2548px x 3287px 8.49" x 10.96" 300 DPI Black & White

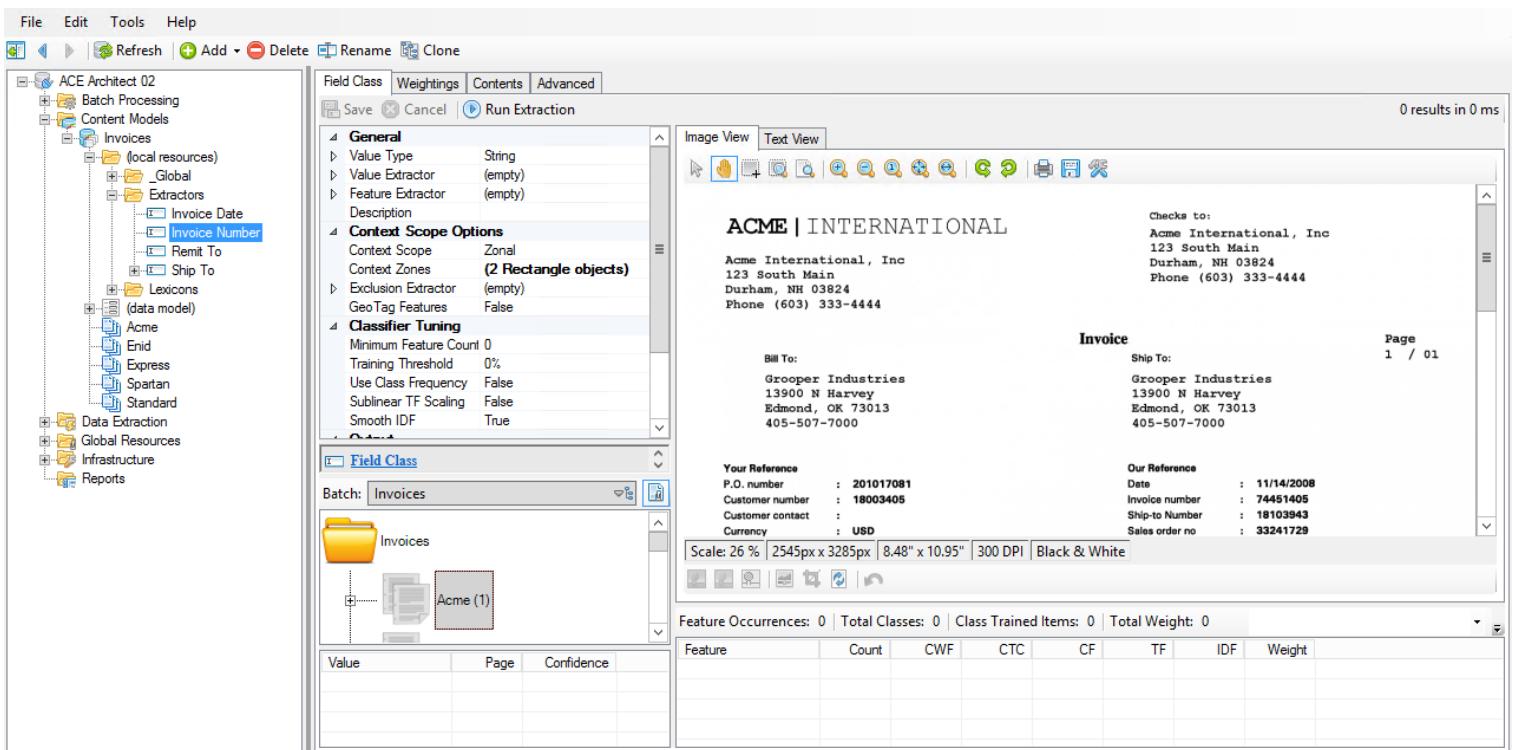
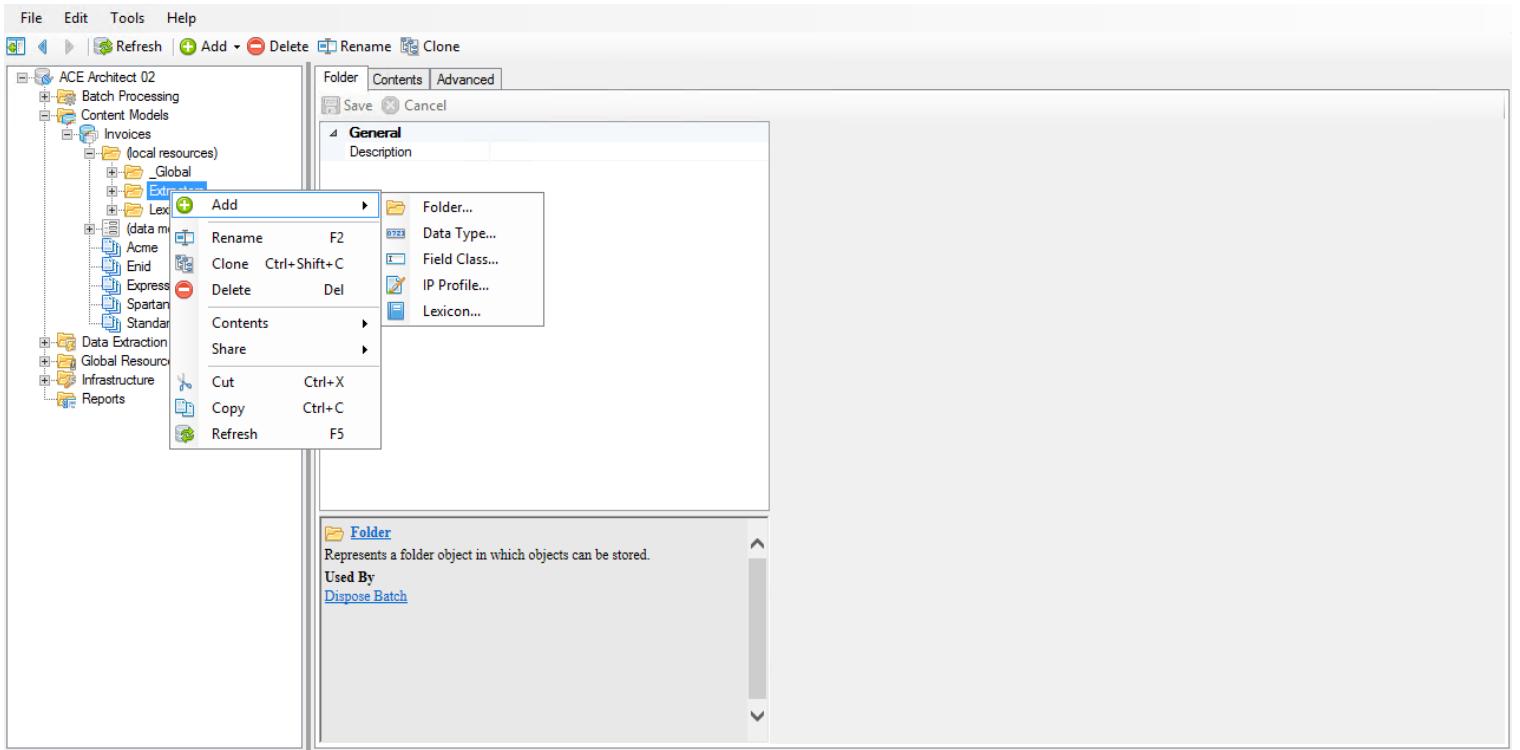
Results (16) Confidence Page No Index Length Extractor

| | | | | | |
|----------------|-------|---|----|----|----------------------|
| invoice date | 100 % | 1 | 11 | 12 | Invoice Field Labels |
| invoice number | 100 % | 1 | 24 | 9 | Invoice Field Labels |
| page | 100 % | 1 | 34 | 4 | Invoice Field Labels |
| phone | 100 % | 1 | 65 | 2 | Invoice Field Labels |
| fax | 100 % | 1 | 95 | 2 | Invoice Field Labels |

Invoice Number

> Content Models / Invoices / (local resources) / Extractors 

1. Right click and select Add → Field Class... .
2. Name it **Invoice Number** .



1. Create a child Data Type under the **Invoice Number** Field Class.
2. Name it **[Values] Invoice Number**.
3. Create three child Data Formats under the **[Values] Invoice Number** Data Type:
 - a. **Acme/Standard/Express**
 - b. **Enid**
 - c. **Spartan**

The screenshot shows the ACE Architect 02 interface with the following details:

- File Bar:** File, Edit, Tools, Help.
- Toolbar:** Refresh, Add, Delete, Rename, Clone.
- Left Navigation:** ACE Architect 02, Batch Processing, Content Models, Invoices, Extractors, Invoice Date, Invoice Number, [Values] Invoice Number (selected), Acme/Standard/Express, Enid, Spartan, Remit To, Ship To, Lexicons, Acme, Enid, Express, Spartan, Standard, Data Extraction, Global Resources, Infrastructure, Reports.
- Central Panel - Data Type Tab:**
 - General:** Value Type: String, Culture Filter: (empty), Description: (empty).
 - Data Extraction:** Pattern: (empty), Referenced Extractors: (empty), Input Filter: (empty), Exclusion Extractor: (empty).
 - Output:** Collation: Individual, Order By: Position, Direction: Ascending, Result Filter: (empty).
 - Deduplication:** Deduplicate Locations: False, Deduplicate Values: False.
- Central Panel - Scripting Tab:** Save, Cancel, Run Extraction.
- Image View:** Shows a scanned document titled "ACME | INTERNATIONAL" with shipping information for "Grooper Industries".
- Text View:** Displays extracted data fields such as "Your Reference", "P.O. number", "Customer number", "Customer contact", "Currency", "Invoice amount", "Payment terms", "Our Reference", "Date", "Invoice number", "Ship-to Number", "Sales order no", "Delivery number", "Freight carrier", and "Tracking number".
- Bottom Panel:** Batch: Invoices, Scale: 24%, 2545px x 3285px, 8.48" x 10.95", 300 DPI, Black & White.
- Table:** Value, Confidence, Page No, Index, Length, Extractor.

Edit the pattern(s) for each of the Data Formats:

- Acme/Standard/Express

Value Pattern

[0-9]{6,16}

- Enid

Value Pattern

([A-Z]{3})/(@Number){8})

Output Format

- Spartan

Value Pattern

([A-Z]{2})(@Number){2})-(@Number){6})

Output Format

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - [Values] Invoice Number
 - Acme/Standard/Express
 - Enid
 - Spartan
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Format **Contents** **Advanced**

Pattern Editor **Properties**

Value Pattern: 1 [0-9]{6,16}

Look Ahead Pattern: 1

Look Behind Pattern: 1

Output Format: OK: [0-9]{6,16}

Batch: Invoices

Results (10)

| | Confidence | Page No | Index | Length |
|-----------|------------|---------|-------|--------|
| 201017081 | 100 % | 1 | 406 | |
| 18003405 | 100 % | 1 | 449 | |
| 74451405 | 100 % | 1 | 473 | |
| 18103943 | 100 % | 1 | 515 | |

Image **Text**

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference

| | |
|------------------|---------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Customer contact | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Our Reference

| | |
|-----------------|--------------|
| Date | : 11/14/2008 |
| Invoice number | : 74451405 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241728 |
| Delivery number | : 5515616 |
| Freight carrier | : |

Scale: 25 % | 2545px x 3285px | 8.49" x 10.95" | 300 DPI | Black & White

Results (10)

| | Confidence | Page No | Index | Length |
|-----------|------------|---------|-------|--------|
| 201017081 | 100 % | 1 | 406 | |
| 18003405 | 100 % | 1 | 449 | |
| 74451405 | 100 % | 1 | 473 | |
| 18103943 | 100 % | 1 | 515 | |

Page 1 / 01

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - [Values] Invoice Number
 - Enid
 - Spartan
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Format **Contents** **Advanced**

Pattern Editor **Properties**

Value Pattern: 1 ([A-Z]{3})/([@Number]{8})

Look Ahead Pattern: 1

Look Behind Pattern: 1

Output Format: {1}:{2}Number

OK: ([A-Z]{3})/([0-9lloGgSsBUuD]{8})

Batch: Invoices

Results (1)

| | Confidence | Page No | Index | Length |
|-------------|------------|---------|-------|--------|
| CSI10076138 | 100 % | 1 | 49 | 12 |

Image **Text**

Enid Parts

INVOICE

| | | |
|--------------|--------------|------|
| INVOICE DATE | INVOICE # | PAGE |
| 12-05-08 | CSI/10076138 | 1 |

PH: (405) 555-1212
FAX: (405) 444-2121

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73703

SOLD Grooper Industries
SHIP Grooper Industries
TO: 13900 N Harvey
TO: Edmond, OK 73013

ITEM NUMBER **QUANTITY ORDERED** **ITEM DESCRIPTION**

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |
| | | | | | | | |
| | | | | | | | |

Scale: 25 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Results (1)

| | Confidence | Page No | Index | Length |
|-------------|------------|---------|-------|--------|
| CSI10076138 | 100 % | 1 | 49 | 12 |

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - [Values] Invoice Number
 - Acme/Standard/Express
 - Enid
 - Spartan
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Format [Contents Advanced] Save Cancel Generate...

Pattern Editor Properties

Value Pattern

```
1 \{-Z\}{2}({@Number}{2})-{@Number}{6}
```

Look Ahead Pattern (click to expand) +

Look Behind Pattern (click to expand) +

Output Format

```
{1}{2:Number}{3}
```

OK: ([A-Z]{2})([0-9][OoGgSsBbUuD]{2})([0-9][OoGgSsBbUuD]{2})

Batch: Invoices

- Acme (1)
- Standard (2)
- Express (3)
- Spartan (4)

Image **Text**

Spartan

INVOICE

SHIP TO (NAME AS "SOLD TO" UNLESS SHOWN)

Grooper Industries
13900 N Harvey
Edmond, OK 73013

INVOICE DATE
11/10/08 ORIGINAL

INVOICE NUMBER
MA20-552100

PO / RELEASE NUMBER
201011309

SOLD TO:
Grooper Industries
13900 N Harvey
Edmond, OK 73013

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

ENT BY: MA203338

| ORDER DATE | TERMS | SHIP DATE | SHIP VIA | ACCT NUMBER | PAGE 1 OF 1 |
|------------|------------------|-------------------------------|-----------------------------|-------------|--------------------|
| 11/10/08 | 1% 10&25thNET 30 | 11/10/08 | DIRECT SHIP R&L CARRIERS | 194306-01 | FOB ORG,FRT PPA |
| 10/24/08 | OCN: 409171 | COMMENTS FREIGHT MA20 ONLY | | | |

Scale: 25 % | 2552px x 3276px | 8.51" x 10.92" | 300 DPI | Black & White

Results (2)

| | Confidence | Page No | Index | Length |
|-------------|------------|---------|-------|--------|
| MA20-552100 | 100 % | 1 | 215 | 11 |
| MA20-201011 | 100 % | 1 | 852 | 11 |

1. Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|-------------------------|
| General | | |
| Value Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | [Values] Invoice Number |
| Feature Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | Invoice Field Labels |

2. Select Acme (1).

3. Press Run Extraction.

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
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 - Invoice Number
 - [Values] Invoice Number
 - Acme/Standard/Express
 - Enid
 - Spartan
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Field Class [Weightings] [Contents] [Advanced]

Save **Cancel** **Run Extraction**

General

Value Type: String
[Values] Invoice Number

Type: Reference
Referenced Extract: [Values] Invoice Number

Feature Extractor: (none)

Description: Extractors • Invoice Number

Context

Context Set: Invoices • (local resources)

Context Zone: ACE Architect 02 • Content Models

Exclusion: GeoTag F

Classified

Minimum R: Training T

Use Class: C

Referenced Extract

Batch: Invoices

Image View **Text View**

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Our Reference

| | |
|-----------------|--------------|
| Date | : 11/14/2008 |
| Invoice number | : 74451405 |
| Ship-to Number | : 18103943 |
| Sales order no. | : 33241729 |
| Delivery number | : 5515616 |
| Freight carrier | : |

Scale: 24% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 0 Total Classes: 0 Class Trained Items: 0 Total Weight: 0

Feature **Count** **CWF** **CTC** **CF** **TF** **IDF** **Weight**

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - [Values] Invoice Number
 - Acme/Standard/Express
 - Enid
 - Spartan
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Field Class [Weightings] [Contents] [Advanced]

Save **Cancel** **Run Extraction**

General

Value Type: String
[Values] Invoice Number

Type: Reference
Referenced Extract: [Values] Invoice Number

Feature Extractor: Invoice Field Labels

Description: Extractors • Invoice Number

Context

Context Set: Invoices • (local resources)

Context Zone: _Global

Exclusion: Invoice Field Labels

Classified

Minimum R: Training T

Use Class: C

Referenced Extract

Batch: Invoices

Image View **Text View**

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Our Reference

| | |
|-----------------|--------------|
| Date | : 11/14/2008 |
| Invoice number | : 74451405 |
| Ship-to Number | : 18103943 |
| Sales order no. | : 33241729 |
| Delivery number | : 5515616 |
| Freight carrier | : |

Scale: 24% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 0 Total Classes: 0 Class Trained Items: 0 Total Weight: 0

Feature **Count** **CWF** **CTC** **CF** **TF** **IDF** **Weight**

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - [Values] Invoice Number
 - Acme/Standard/Express
 - Enid
 - Spartan
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

Image View Text View

Customer number : 18003405
 Invoice number : 74451405
 Ship-to Number : 18103943
 Sales order no : 33241729
 Delivery number : 5515616
 Payment terms : Net 30 days
 Freight carrier : Tracking number : 122565E90301034108

10 results in 11 ms

General

 - Value Type String
 - Value Extractor [Values] Invoice Number
 - Type Reference
 - Referenced Extractor [Values] Invoice Number
 - Feature Extractor Invoice Field Labels
 - Type Reference
 - Referenced Extractor Invoice Field Labels

Description

Context Scope Options

 - Context Scope Zonal
 - Context Zones (2 Rectangle objects)
 - Exclusion Extractor (empty)
 - GeoTag Features False

Classifier Tuning

 - Minimum Feature Count 0
 - Training Threshold 0.0

Referenced Extractor

Batch: Invoices

Value Page Confidence

| | | |
|----------|---|----------|
| 000020 | 1 | 0.0000 % |
| 103003 | 1 | 0.0000 % |
| 000021 | 1 | 0.0000 % |
| 18003405 | 1 | 0.0000 % |

Item Material Description Quantity Unit Price Value

| | | | | | |
|--------|------------------|------|--------------------|----------|----------|
| 000001 | GB.C103003-00001 | 2 EA | BRACKET | 984.53 | 1,969.06 |
| | | | Gross Value | 12.50- % | 246.13- |
| 000021 | WS.FREIGHT0231 | 1 AU | Cust. Discount % | 861.47 | 1,722.93 |
| | | | Net Value for Item | | |
| | | | Freight (Parts) | | |
| | | | Gross Value | 0.00 | 4.20 |

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 0 Total Classes: 0 Class Trained Items: 0 Total Weight: 0.000000

Feature Count CWF TF IDF Weight

| Feature | Count | CWF | TF | IDF | Weight |
|----------------|-------|-----|----------|----------|----------|
| invoice number | 1 | 0 | 1.000000 | 1.000000 | 1.000000 |

> Content Models / Invoices / (local resources) / Extractors / **Invoice Number**

1. In the candidate list, find the value that has the appropriate feature(s) to train.
2. Right click and select **Train As Positive**.

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - [Values] Invoice Number
 - Acme/Standard/Express
 - Enid
 - Spartan
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

Image View Text View

405-507-7000

Our Reference

Date : 11/14/2008

Invoice number : 74451405

Ship-to Number : 18103943

Sales order no : 33241729

Delivery number : 5515616

Freight carrier :

Scale: 58 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 1 Total Classes: 0 Class Trained Items: 0 Total Weight: 1.000000

Feature Count CWF TF IDF Weight

| | | | | | |
|----------------|---|---|----------|----------|----------|
| invoice number | 1 | 0 | 1.000000 | 1.000000 | 1.000000 |
|----------------|---|---|----------|----------|----------|

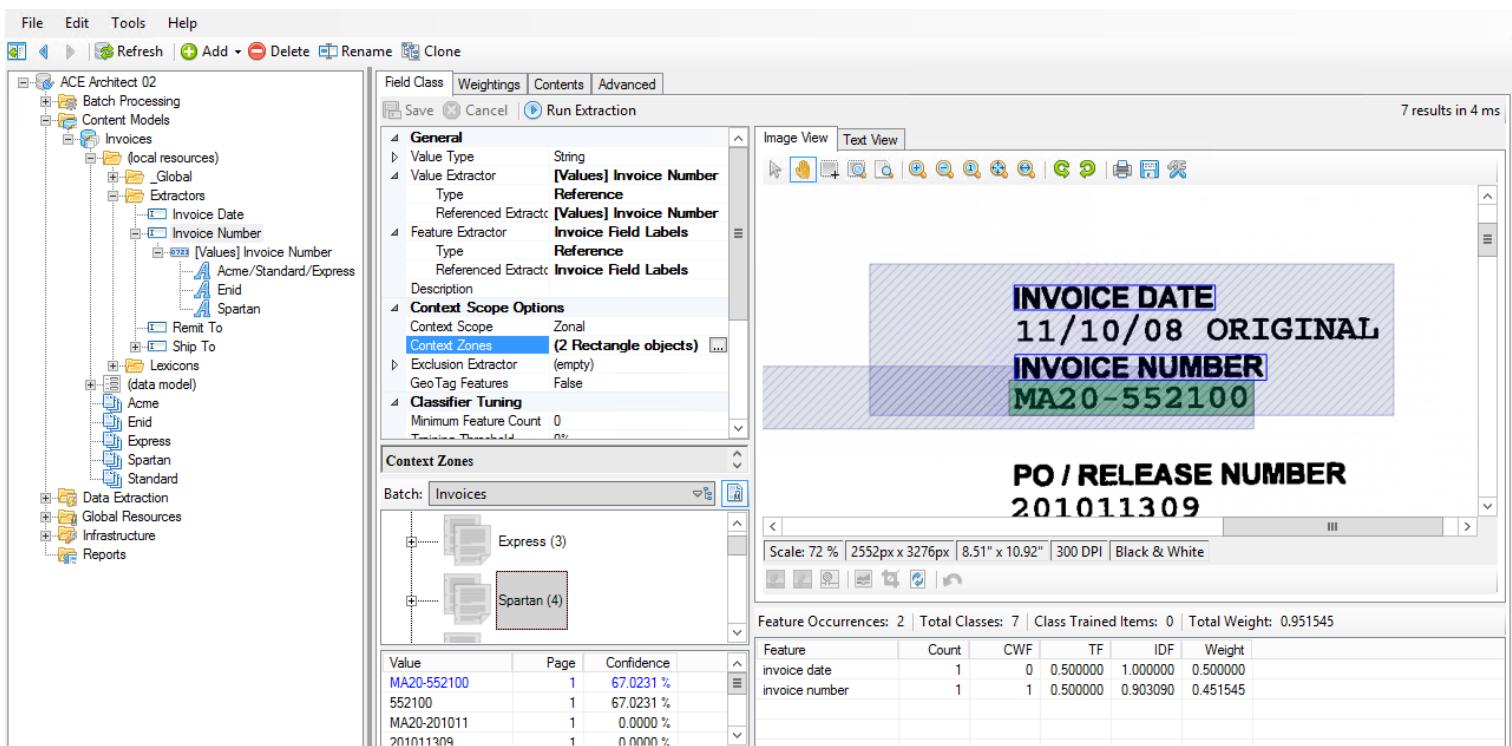
Value Page Confidence

| | | |
|----------|---------------------|------|
| 18103943 | F3 | 00 % |
| 74451405 | | 00 % |
| 33241729 | | 00 % |
| 5515616 | | 00 % |
| 201011 | Inspect Instance... | |

1. Select Spartan (4).
2. Click to edit the Context Zones.
3. In the Context Zones window, edit the dimensions as follows:

| Property | Zone 1 | Zone 2 |
|----------|--------|--------|
| Left | -4 | -1 |
| Top | -0.02 | -0.35 |
| Right | 0.35 | 0.375 |
| Bottom | 0.1 | 0.05 |

4. Press OK.



The screenshot shows the ACE Architect software interface for configuring content models. On the left, there's a tree view of the project structure under 'Content Models / Invoices / (local resources) / Extractors / Invoice Number'. The 'Extractor' node is selected. In the center, there's a configuration dialog for 'Invoice Number' with tabs for 'Field Class', 'Weightings', 'Contents', and 'Advanced'. The 'General' tab is active, showing settings like 'Value Type: String', 'Value Extractor: [Values] Invoice Number Reference', and 'Feature Extractor: Invoice Field Labels Reference'. The 'Context Scope Options' section includes 'Context Scope: Zonal' and 'Context Zones: (2 Rectangle objects)'. The 'Classifier Tuning' section has a 'Minimum Feature Count: 0'. Below this is a 'Context Zones' table with two rows: 'Express (3)' and 'Spartan (4)'. The 'Spartan (4)' row is highlighted. The right side of the interface shows an 'Image View' of an invoice document with several text blocks highlighted by blue rectangles. One rectangle covers the text 'INVOICE DATE 11/10/08 ORIGINAL'. Another rectangle covers 'INVOICE NUMBER MA20-552100'. A third rectangle covers 'PO / RELEASE NUMBER 201011309'. At the bottom right, there's a table titled 'Feature Occurrences' with columns: Feature, Value, Page, Confidence, Count, CWF, TF, IDF, and Weight. The table lists three entries: 'invoice date' (Value: 'MA20-552100', Page: 1, Confidence: 67.0231 %), '552100' (Value: '552100', Page: 1, Confidence: 67.0231 %), and 'MA20-201011309' (Value: 'MA20-201011309', Page: 1, Confidence: 0.0000 %). The total weight is 0.951545.

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - [Values] Invoice Number
 - Type
 - Reference
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 7 results in 4 ms

General Value Type String [Values] Invoice Number Reference

Image View Text View

Context Zones

OK Cancel + Add... Edit... Delete

| Zone No | Region |
|---------|------------------------|
| Zone 1 | (-4, -0.02)(0.35, 0.1) |
| Zone 2 | (-1, -0.5)(1, 0) |

Left Top Right Bottom Width Height

-4 -0.02 0.35 0.1 4.35 0.12000000000000001

Original MBER 100 SE NUMBER 9

Feature Occurrences: 2 | Total Classes: 7 | Class Trained Items: 0 | Total Weight: 0.951545

| Feature | Count | CWF | TF | IDF | Weight |
|----------------|-------|-----|----------|----------|----------|
| invoice date | 1 | 0 | 0.500000 | 1.000000 | 0.500000 |
| invoice number | 1 | 1 | 0.500000 | 0.903090 | 0.451545 |

Spartan (4)

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - [Values] Invoice Number
 - Type
 - Reference
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 7 results in 4 ms

General Value Type String [Values] Invoice Number Reference

Image View Text View

Context Zones

OK Cancel + Add... Edit... Delete

| Zone No | Region |
|---------|--------------------------|
| Zone 1 | (-4, -0.02)(0.35, 0.1) |
| Zone 2 | (-1, -0.25)(0.375, 0.05) |

Left Top Right Bottom Width Height

-1 -0.25 0.375 0.05 1.375 0.3

Original MBER 100 SE NUMBER 9

Feature Occurrences: 2 | Total Classes: 7 | Class Trained Items: 0 | Total Weight: 0.951545

| Feature | Count | CWF | TF | IDF | Weight |
|----------------|-------|-----|----------|----------|----------|
| invoice date | 1 | 0 | 0.500000 | 1.000000 | 0.500000 |
| invoice number | 1 | 1 | 0.500000 | 0.903090 | 0.451545 |

Spartan (4)

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - [Values] Invoice Number
 - Acme/Standard/Express
 - Enid
 - Spartan
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

7 results in 5 ms

General

- Value Type String
- Value Extractor [Values] Invoice Number Reference
- Feature Extractor Invoice Field Labels Reference
- Description
- Context Scope Options**
- Context Scope Zonal
- Context Zones (2 Rectangle objects) ...
- Exclusion Extractor (empty)
- GeoTag Features False
- Classifier Tuning Minimum Feature Count 0

Context Zones

Batch: Invoices



| Value | Page | Confidence |
|-------------|------|------------|
| MA20-552100 | 1 | 100.0000 % |
| 552100 | 1 | 100.0000 % |
| MA20-201011 | 1 | 0.0000 % |
| 201011209 | 1 | 0.0000 % |

Image View Text View



INVOICE DATE
11/10/08 ORIGINAL
INVOICE NUMBER
MA20-552100

PO / RELEASE NUMBER
201011209

Scale: 72 % | 2552px x 3276px | 8.51" x 10.92" | 300 DPI | Black & White

Feature Occurrences: 1 | Total Classes: 7 | Class Trained Items: 0 | Total Weight: 0.903090

| Feature | Count | CWF | TF | IDF | Weight |
|----------------|-------|-----|----------|----------|----------|
| invoice number | 1 | 1 | 1.000000 | 0.903090 | 0.903090 |

> Content Models / Invoices / (local resources) / Extractors / Invoice Number / [Values]

Invoice Number

Change the following property value(s):

| Property | Default Value | New Value |
|-----------------------|---------------|-----------|
| Deduplication | | |
| Deduplicate Locations | False | True |

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - [Values] Invoice Number
 - Acme/Standard/Express
 - Enid
 - Spartan
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction 7 results in 2 ms

General

 - Value Type String
 - Culture Filter
 - Description
 - Data Extraction**
 - Pattern (empty)
 - Referenced Extractors (empty)
 - Input Filter** (empty)
 - Exclusion Extractor** (empty)
 - Output**
 - Collation Individual
 - Order By Position
 - Direction Ascending
 - Result Filter (empty)
 - Deduplication**
 - Deduplicate Locations **True**
 - Deduplicate Values False

Image View **Text View**

INVOICE DATE
11/10/08 ORIGINAL
INVOICE NUMBER
MA20-552100

PO / RELEASE NUMBER
201011309

Batch: Invoices

Results (7) Confidence Page No Index Length Extractor

| Results (7) | Confidence | Page No | Index | Length | Extractor |
|---------------|--------------|----------|------------|----------|------------------------------|
| MA20-552100 | 100 % | 1 | 215 | 11 | Spartan |
| 552100 | 100 % | 1 | 220 | 6 | Acme/Standard/Express |
| 201011309 | 100 % | 1 | 288 | 9 | Acme/Standard/Express |
| 203338 | 100 % | 1 | 441 | 6 | Acme/Standard/Express |
| 194306 | 100 % | 1 | 577 | 6 | Acme/Standard/Express |
| MA20-201011 | 100 % | 1 | 952 | 11 | Spartan |

> Content Models / Invoices / (local resources) / Extractors / **Invoice Number**

Change the following property value(s):

| Property | Default Value | New Value |
|--------------------|---------------|-----------|
| Output | | |
| Minimum Confidence | 0% | 70% |

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - [Values] Invoice Number
 - Acme/Standard/Express
 - Enid
 - Spartan
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 1 results in 5 ms

Context Scope Options

 - Context Scope: Zonal
 - Context Zones: (2 Rectangle objects)
 - Exclusion Extractor: (empty)
 - GeoTag Features: False

Classifier Tuning

 - Minimum Feature Count: 0
 - Training Threshold: 0%
 - Use Class Frequency: False
 - Sublinear TF Scaling: False
 - Smooth IDF: True

Output

 - Minimum Confidence: 70%
 - Collation Method: Individual
 - Order By: Confidence
 - Direction: Descending

Minimum Confidence

Batch: Invoices

 - Express (3)
 - Spartan (4)

| Value | Page | Confidence |
|-------------|------|------------|
| MA20-552100 | 1 | 100.000 % |

Image View Text View

INVOICE DATE
11/10/08 ORIGINAL
INVOICE NUMBER
MA20-552100

PO / RELEASE NUMBER
201011200

Scale: 72 % | 2552px x 3276px | 8.51" x 10.92" | 300 DPI | Black & White

Feature Occurrences: 1 | Total Classes: 7 | Class Trained Items: 0 | Total Weight: 0.903090

| Feature | Count | CWF | TF | IDF | Weight |
|----------------|-------|-----|----------|----------|----------|
| invoice number | 1 | 1 | 1.000000 | 0.903090 | 0.903090 |

> Content Models / Invoices / (data model) / **Invoice Number**

Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|----------------|
| General | | |
| Value Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | Invoice Number |
| Behavior | | |
| Required | False | True |

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number**
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
- Acme
- End
- Express
- Spartan
- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field | Contents | Advanced | Save | Cancel | Test Extraction

General

- Value Type: String
- Value Extractor: (empty)
- Minimum Confidence: 20%
- Sub-Element Name:
- Description:

Appearance

- Alignment: Left
- Display Width: 100
- Error Color: 255, 192, 192
- Background Color: Window
- Foreground Color:WindowText
- Visible: True
- Label Position: Left

Data Field

Represents a field.

Remarks

Fields can be children of [Data Model](#) or [Data Section](#) objects. Field objects define characteristics such as:

- The appearance of the item in the [Index Panel](#).
- The default ESP™ Extraction settings. These settings can be overridden on

Batch: Invoices

Invoice Number

Document View | **Text View** | **Instance View**

ACME | INTERNATIONAL

Check to: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference

| | |
|------------------|---------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Customer contact | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Our Reference

| | |
|-----------------|---------------------|
| Date | : 11/14/2008 |
| Invoice number | : 74461405 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241729 |
| Delivery number | : 5515618 |
| Freight carrier | : |
| Tracking number | : 12356890301034108 |

Scale: 19% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number**
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
- Acme
- End
- Express
- Spartan
- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field | Contents | Advanced | Save | Cancel | Test Extraction

General

- Value Type: String
- Type: **Referenced Extractor**
- Reference: **Invoice Number**

Referenced Extractor

Type: [Grooper Node](#)

When Type is set to 'Reference', it refers to another node in the tree structure.

Property Type: [Grooper Node](#)

Grooper Nodes are objects which at every level of the tree structure. All Grooper Node objects support a base set of properties and behaviors common to

Batch: Invoices

Invoice Number

Document View | **Text View** | **Instance View**

ACME | INTERNATIONAL

Check to: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

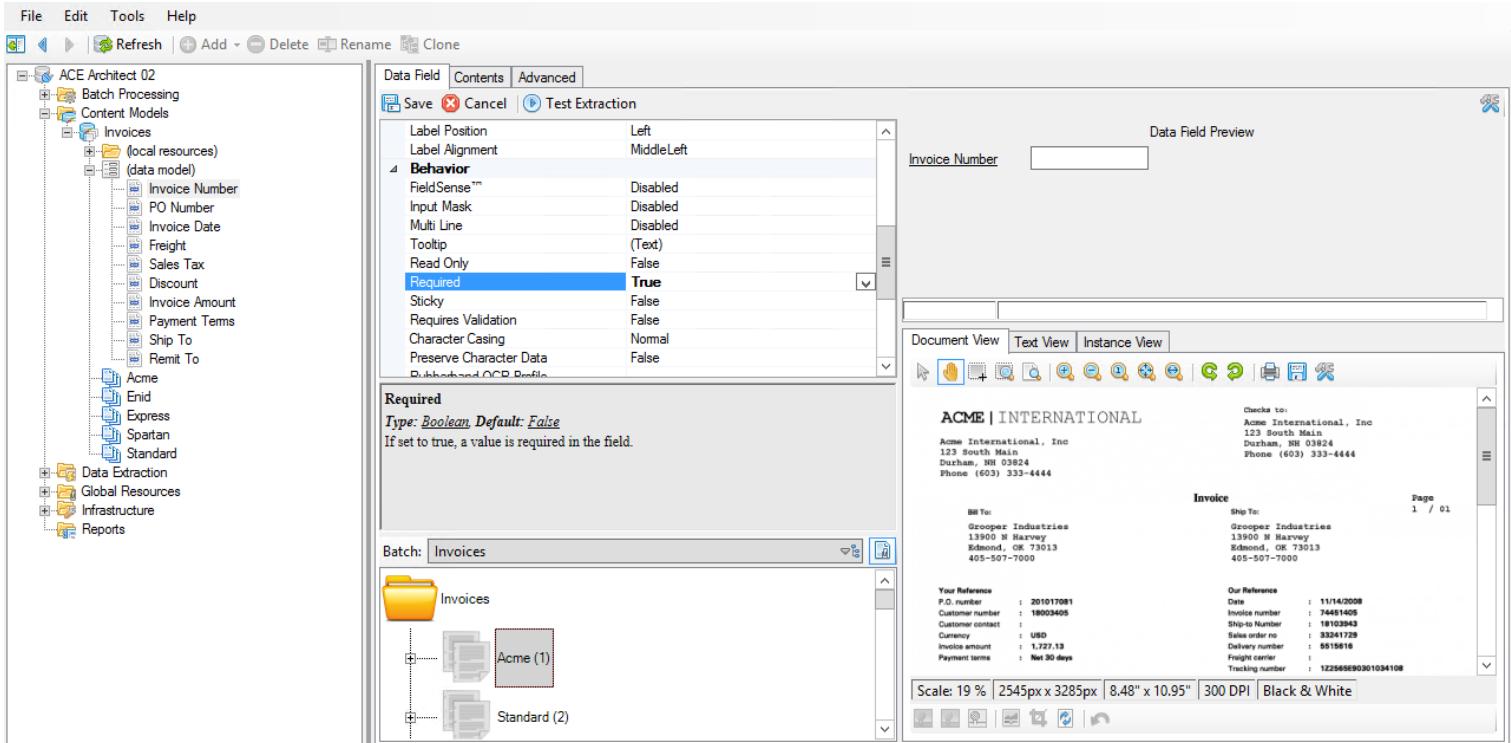
Your Reference

| | |
|------------------|---------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Customer contact | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Our Reference

| | |
|-----------------|---------------------|
| Date | : 11/14/2008 |
| Invoice number | : 74461405 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241729 |
| Delivery number | : 5515618 |
| Freight carrier | : |
| Tracking number | : 12356890301034108 |

Scale: 19% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White



PO Number/Exclusion Extractor

> Content Models / Invoices / (local resources) / [_Global](#)

1. Right click and select Add → Data Type... .
2. Name it Addresses, Phone Numbers .
3. In the Data Extraction section, click to edit Referenced Extractors .

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Lexicons
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Folder Contents Advanced

Save Cancel

General

Description

Folder

Represents a folder object in which objects can be stored.

Used By

Dispose Batch

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - 0723 Addresses, Phone Numbers
 - 0723 Invoice Field Labels
 - Extractors
 - Lexicons
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction

General

Value Type String

Culture Filter

Description

Data Extraction

Pattern (empty)

Referenced Extractors (empty)

Input Filter (empty)

Exclusion Extractor (empty)

Output

Collation Individual

Order By Position

Direction Ascending

Result Filter (empty)

Deduplication

Deduplicate Locations False

Deduplicate Values False

Image View **Text View**

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference

| | | |
|------------------|---|-------------|
| P.O. number | : | 201017081 |
| Customer number | : | 18003405 |
| Customer contact | : | |
| Currency | : | USD |
| Invoice amount | : | 1,727.13 |
| Payment terms | : | Net 30 days |

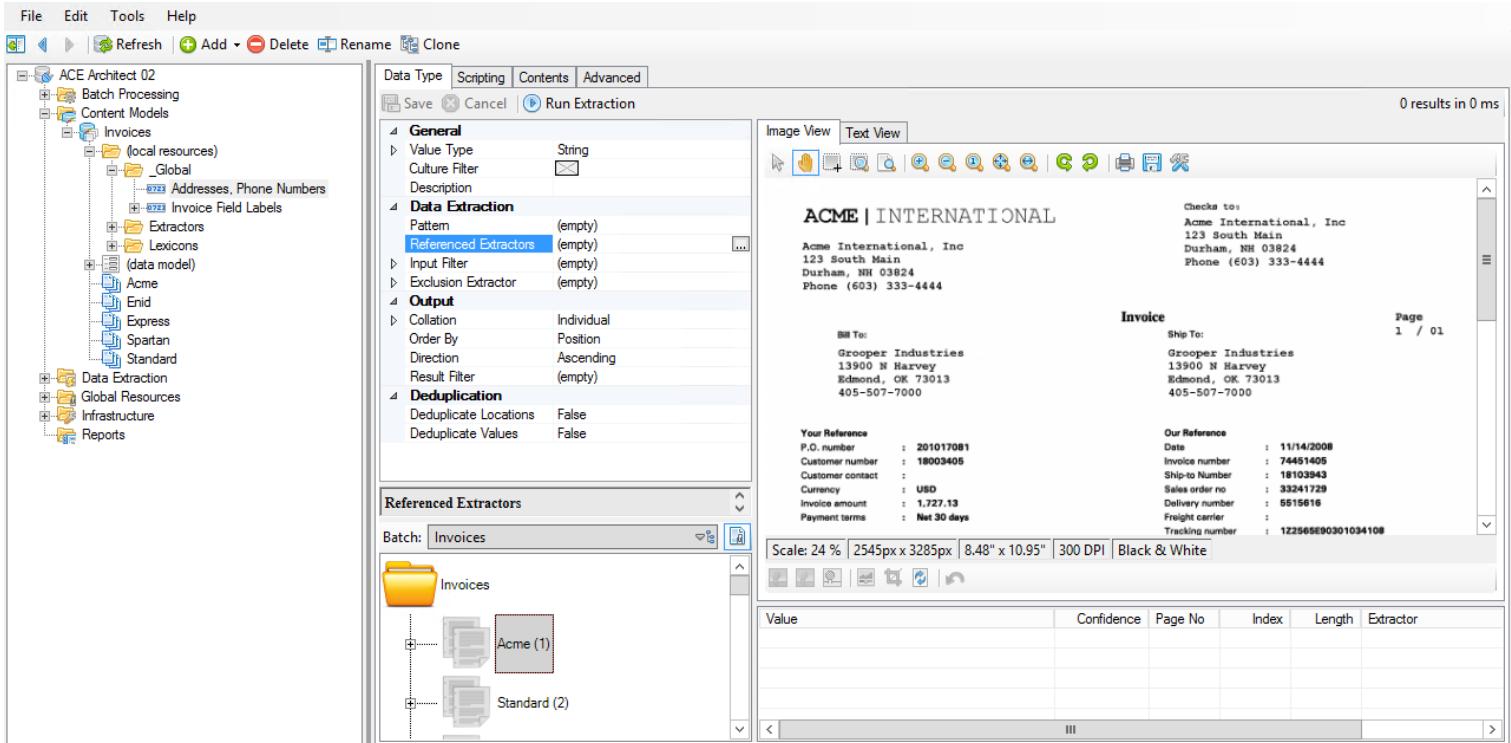
Our Reference

| | | |
|-----------------|---|--------------------|
| Date | : | 11/14/2008 |
| Invoice number | : | 74451405 |
| Ship-to Number | : | 18103943 |
| Sales order no | : | 33241729 |
| Delivery number | : | 5515616 |
| Freight carrier | : | |
| Tracking number | : | 122565E90301034108 |

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

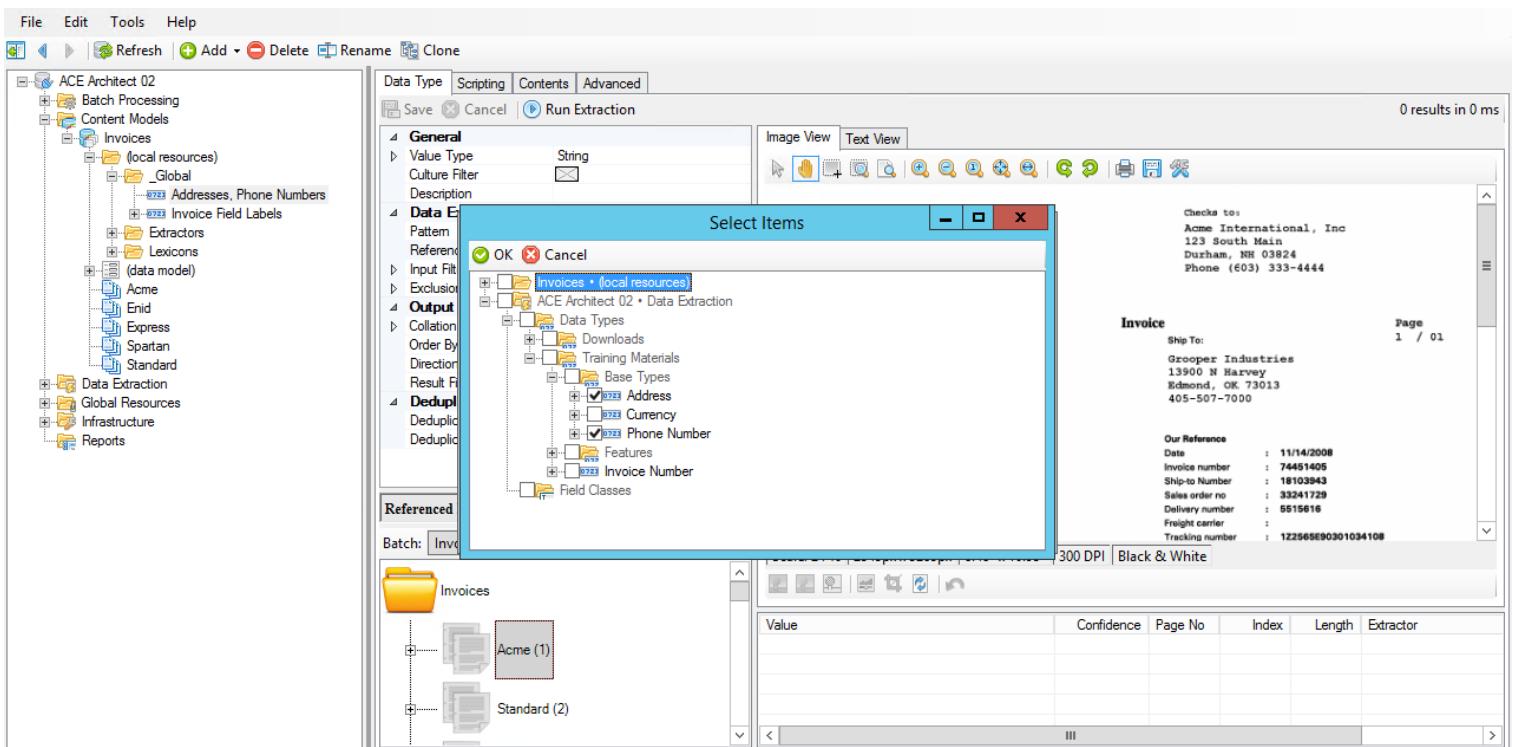
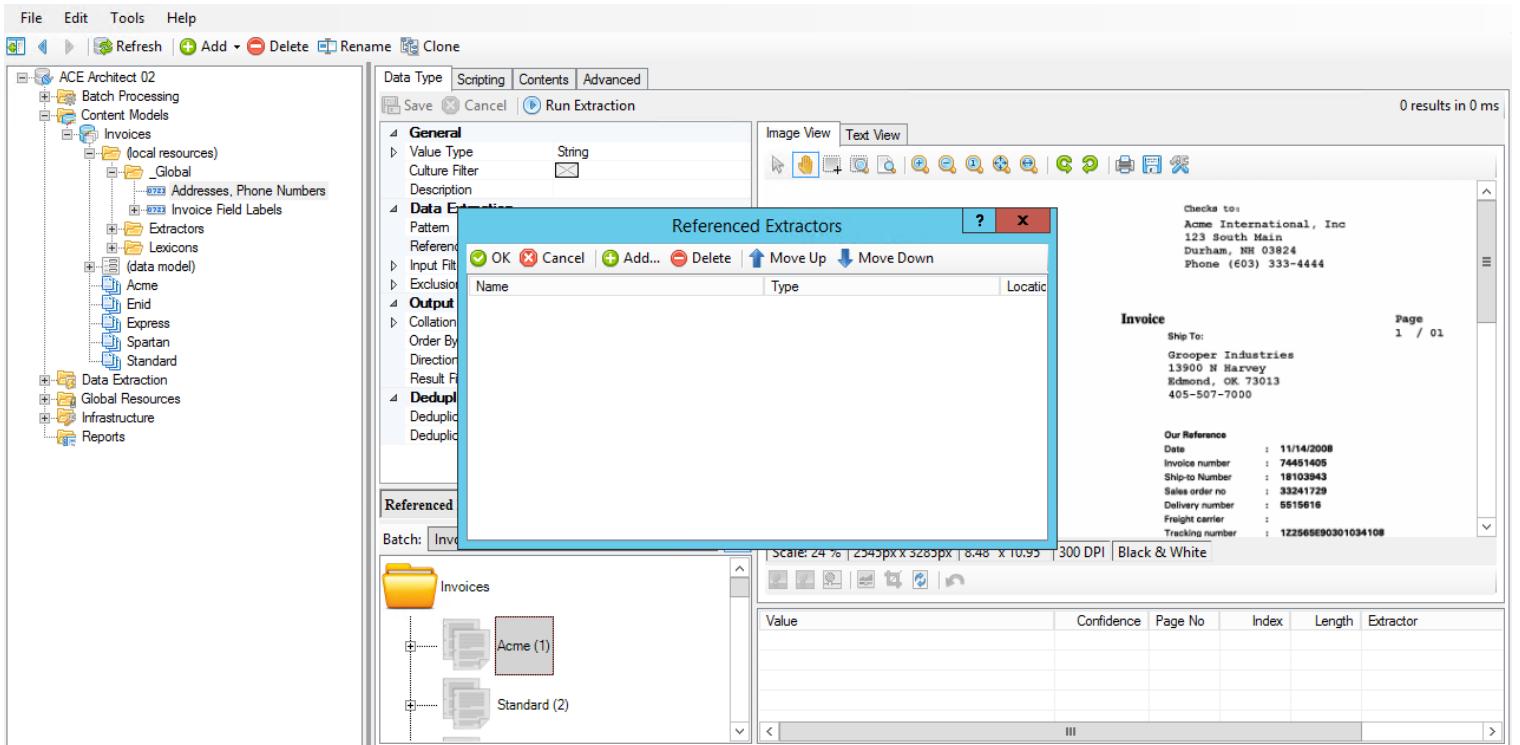
Value Confidence Page No Index Length Extractor

III



› Content Models / Invoices / (local resources) / _Global / Addresses, Phone Numbers

1. In the **Referenced Extractors** window, press **Add...**.
2. In the **Select Items** window, expand **Data Extraction → Data Types → Training Materials → Base Types** and check the following:
 - a. **Address**
 - b. **Phone Number**
3. Press **OK** to close the **Select Items** window.
4. Press **OK** to close the **Referenced Extractors** window.



ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Addresses, Phone Numbers
 - Invoice Field Labels
 - Extractors
 - Lexicons
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction 0 results in 0 ms

General

Value Type String Culture Filter Description

Data Extraction

Pattern (empty) **Referenced Extractors**

Input Filter (empty) **Address, Phone Number**

Exclusion Extractor (empty)

Output

Collation Individual Order By Position Direction Ascending Result Filter (empty)

Deduplication

Deduplicate Locations False Deduplicate Values False

Referenced Extractors

OK Cancel Add... Delete Move Up Move Down

| Name | Type | Location |
|--------------|-----------|--|
| Address | Data Type | Data Extraction • Data Types • Training Materials • Base Types |
| Phone Number | Data Type | Data Extraction • Data Types • Training Materials • Base Types |

Invoice

Ship To: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Page 1 / 01

Our Reference

| | |
|-----------------|----------------------|
| Date | : 11/14/2008 |
| Invoice number | : 74451405 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241729 |
| Delivery number | : 5515616 |
| Freight carrier | : |
| Tracking number | : 122565E90301034108 |

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Value Confidence Page No Index Length Extractor

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Addresses, Phone Numbers
 - Invoice Field Labels
 - Extractors
 - Lexicons
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction 0 results in 0 ms

General

Value Type String Culture Filter Description

Data Extraction

Pattern (empty) **Referenced Extractors** **Address, Phone Number**

Input Filter (empty)

Exclusion Extractor (empty)

Output

Collation Individual Order By Position Direction Ascending Result Filter (empty)

Deduplication

Deduplicate Locations False Deduplicate Values False

Referenced Extractors

Batch: Invoices

| Value | Confidence | Page No | Index | Length | Extractor |
|-------|------------|---------|-------|--------|-----------|
|-------|------------|---------|-------|--------|-----------|

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Checks to: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference

| | |
|------------------|---------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Customer contact | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Our Reference

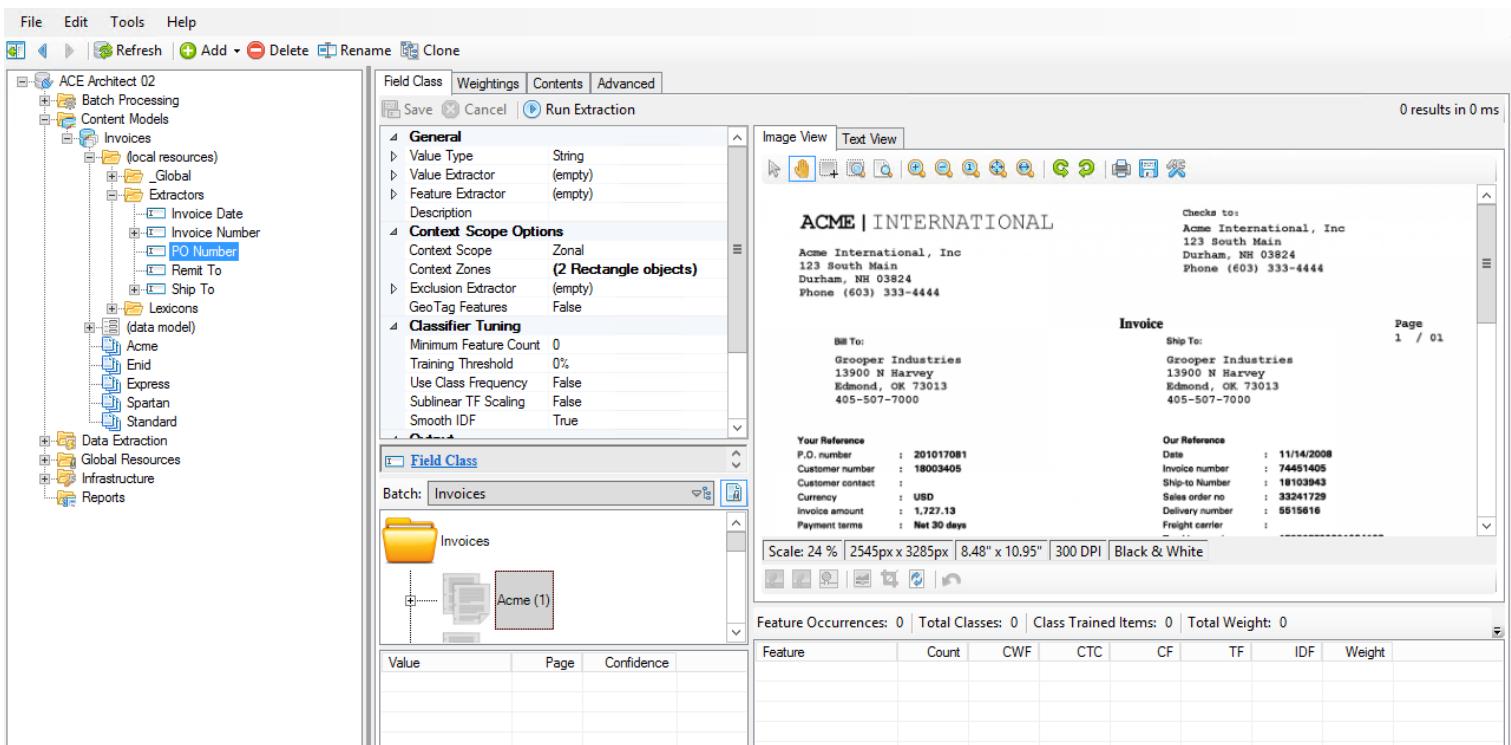
| | |
|-----------------|----------------------|
| Date | : 11/14/2008 |
| Invoice number | : 74451405 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241729 |
| Delivery number | : 5515616 |
| Freight carrier | : |
| Tracking number | : 122565E90301034108 |

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Value Confidence Page No Index Length Extractor

> Content Models / Invoices / (local resources) / Extractors 

1. Right click and select Add → Field Class... .
2. Name it **PO Number** .
3. Create a child Data Type of PO Number and name it **[Values] PO Number** .
4. On the **[Values] PO Number** Data Type, click to edit the **Pattern** .



The screenshot shows the ACE Architect software interface. The left sidebar displays a tree view of project components, including 'Content Models', 'Invoices', and various extractor types like 'Invoice Date', 'Invoice Number', 'PO Number', 'Remit To', and 'Ship To'. The 'PO Number' item is selected.

The main workspace is divided into several panes:

- Field Class Tab:** Shows the configuration for the 'PO Number' field class. It includes sections for General (Value Type: String, Value Extractor: empty), Context Scope Options (Context Scope: Zonal, Context Zones: (2 Rectangle objects)), and Classifier Tuning (Minimum Feature Count: 0, Training Threshold: 0%, etc.).
- Image View and Text View:** Displays the extracted data from an invoice document. The image view shows a snippet of the document with the heading 'ACME | INTERNATIONAL'. The text view shows detailed invoice information:

| | |
|-------------------------|-------------------------|
| Acme International, Inc | Checks to: |
| 123 South Main | Acme International, Inc |
| Durham, NH 03824 | 123 South Main |
| Phone (603) 333-4444 | Durham, NH 03824 |

Invoice:

| | |
|--------------------|--------------------|
| Grooper Industries | Ship To: |
| 13900 N Harvey | Grooper Industries |
| Edmond, OK 73013 | 13900 N Harvey |
| 405-507-7000 | Edmond, OK 73013 |

Your Reference:

| | | |
|------------------|---|-------------|
| P.O. number | : | 201017081 |
| Customer number | : | 18000405 |
| Customer contact | : | |
| Currency | : | USD |
| Invoice amount | : | 1,721.13 |
| Payment terms | : | Net 30 days |

Our Reference:

| | | |
|-----------------|---|------------|
| Date | : | 11/14/2008 |
| Invoice number | : | 74451405 |
| Ship-to Number | : | 18103943 |
| Sales order no | : | 33241729 |
| Delivery number | : | 5515616 |
| Freight carrier | : | |
- Batch:** Shows the batch configuration for 'Invoices', with a folder icon labeled 'Invoices' and a sub-item 'Acme (1)'.
- Feature Occurrences:** A summary table showing 0 occurrences across various categories.

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - PO Number
 - [Values] PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction 0 results in 0 ms

General

- Value Type String
- Culture Filter
- Description

Data Extraction

- Pattern (empty)
- Referenced Extractors (empty)
- Input Filter (empty)
- Exclusion Extractor (empty)

Output

- Collation Individual
- Order By Position
- Direction Ascending
- Result Filter (empty)

Deduplication

- Deduplicate Locations False
- Deduplicate Values False

Data Type

Batch: Invoices

- Invoices
 - + Acme (1)
 - + Standard (2)

Image View Text View

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD
Invoice amount : 1,727.13
Payment terms : Net 30 days

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Delivery number : 5515616
Freight carrier :
Tracking number : 122565E90301034108

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

| Value | Confidence | Page No | Index | Length | Extractor |
|-------|------------|---------|-------|--------|-----------|
| | | | | | |

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - PO Number
 - [Values] PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction 0 results in 0 ms

General

- Value Type String
- Culture Filter
- Description

Data Extraction

- Pattern (empty)
- Referenced Extractors (empty)
- Input Filter (empty)
- Exclusion Extractor (empty)

Output

- Collation Individual
- Order By Position
- Direction Ascending
- Result Filter (empty)

Deduplication

- Deduplicate Locations False
- Deduplicate Values False

Pattern

Batch: Invoices

- Invoices
 - + Acme (1)
 - + Standard (2)

Image View Text View

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD
Invoice amount : 1,727.13
Payment terms : Net 30 days

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Delivery number : 5515616
Freight carrier :
Tracking number : 122565E90301034108

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

| Value | Confidence | Page No | Index | Length | Extractor |
|-------|------------|---------|-------|--------|-----------|
| | | | | | |

1. Edit the pattern(s):

Value Pattern

[0-9]{4,16}

2. Press **OK**.

OK **Cancel**

Pattern Editor **Properties**

Value Pattern

1 [0-9]{4,16}

Look Ahead Pattern

1

Look Behind Pattern

1

Output Format

OK: [0-9]{4,16}

Batch: Invoices

- Invoices
 - Acme (1)
 - Standard (2)
 - Express (3)
 - Spartan (4)

Image **Text**

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice **Page**
1 / 01

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference

| | | |
|------------------|---|-------------|
| P.O. number | : | 201017081 |
| Customer number | : | 18003405 |
| Customer contact | : | |
| Currency | : | USD |
| Invoice amount | : | 1,727.13 |
| Payment terms | : | Net 30 days |

Our Reference

| | | |
|-----------------|---|------------|
| Date | : | 11/14/2008 |
| Invoice number | : | 74451405 |
| Ship-to Number | : | 18103943 |
| Sales order no | : | 33241729 |
| Delivery number | : | 5515616 |
| Freight carrier | : | |

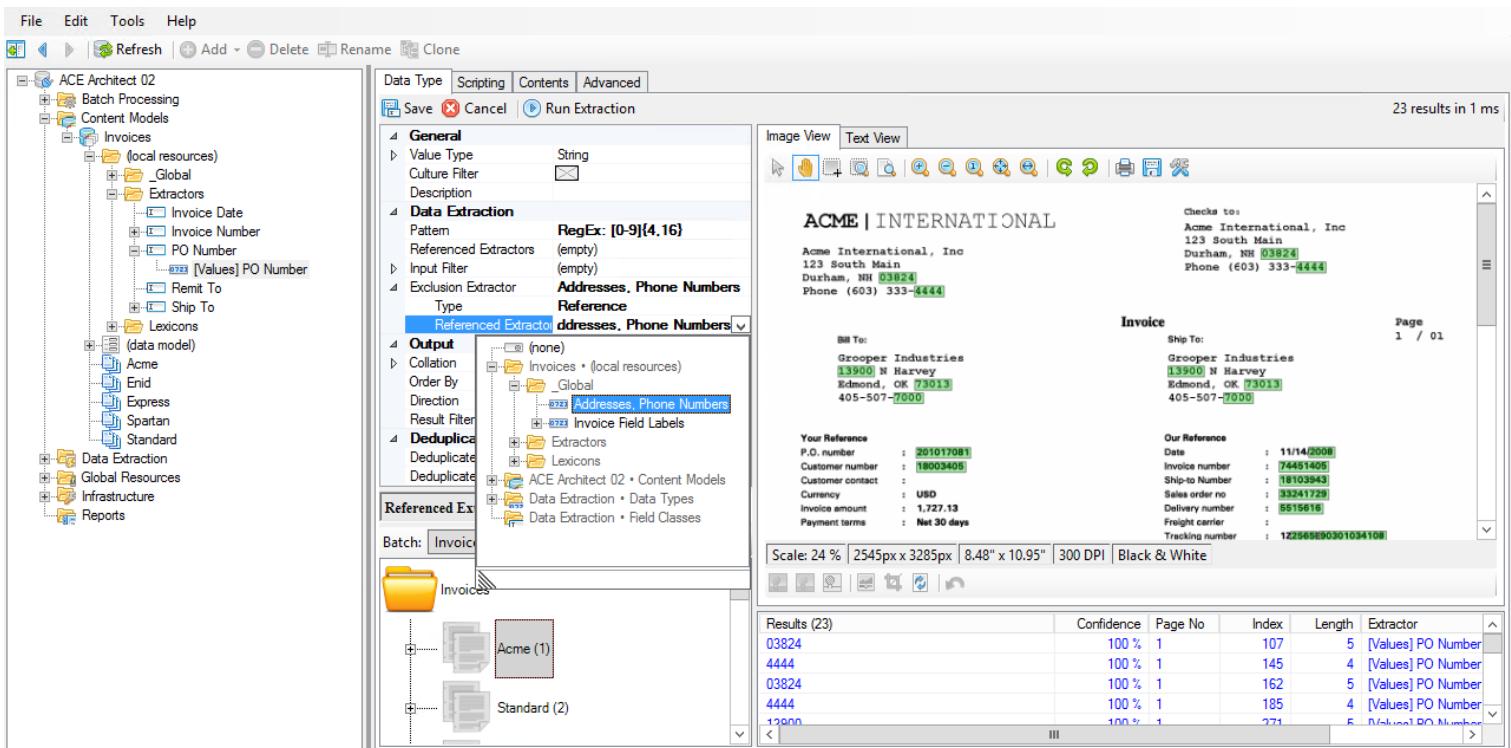
Scale: 34 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Results (23)

| | Confidence | Page No | Index | Length |
|-------|------------|---------|-------|--------|
| 03824 | 100 % | 1 | 107 | 5 |
| 4444 | 100 % | 1 | 145 | 4 |
| 03824 | 100 % | 1 | 162 | 5 |
| 4444 | 100 % | 1 | 185 | 4 |

Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|--------------------------|
| Data Extraction | | |
| Exclusion Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | Addresses, Phone Numbers |



The screenshot shows the ACE Architect 02 interface with the following details:

- File Bar:** File, Edit, Tools, Help.
- Toolbar:** Refresh, Add, Delete, Rename, Clone.
- Left Sidebar:** ACE Architect 02, Batch Processing, Content Models, Invoices (selected), Global Resources, Infrastructure, Reports.
- Content Area:**
 - Data Type Tab:** General, Data Extraction, Output, Deduplication, Referenced Extractors (set to Addresses, Phone Numbers).
 - General Properties:** Value Type: String, Culture Filter: (empty), Description: (empty).
 - Data Extraction Properties:** Pattern: RegEx: [0-9]{4,16}, Referenced Extractors: (empty), Input Filter: (empty), Exclusion Extractor: Addresses, Phone Numbers.
 - Output Properties:** Collation: (none), Order By: Global, Result Filter: (empty).
 - Deduplication Properties:** Deduplicate: (empty), Deduplicate by: (empty).
 - Referenced Extractors:** (Listed under Output) - Invoice Field Labels, Global, Addresses, Phone Numbers.
 - Batch:** Invoices, Acme (1), Standard (2).
- Right Side:**
 - Image View:** Shows a preview of an invoice from "ACME | INTERNATIONAL" to "Grooper Industries".
 - Text View:** Displays extracted data fields like P.O. number, Customer number, etc.
 - Results Table:** Shows 23 results in 1 ms, with columns: Confidence, Page No, Index, Length, Extractor. The first few rows are 03824, 4444, 03824, 4444, 12000.

Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|----------------------|
| General | | |
| Value Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | [Values] PO Number |
| Feature Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | Invoice Field Labels |

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

Content Models

- Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - PO Number
 - [Values] PO Number
 - Remit To
 - Ship To
 - Lexicons
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

0 results in 0 ms

General

Value Type String

Value Extractor [Values] PO Number

Type Reference

Referenced Extractor [Values] PO Number

Feature Extractor (none)

Description Extractors • PO Number

Context Context Scope

Exclusion GeoTag Feature

Classification Minimum Feature

Training Training Item

Use Class Class

Batch: Invoices

Image View Text View

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference

| | |
|------------------|---------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Customer contact | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Our Reference

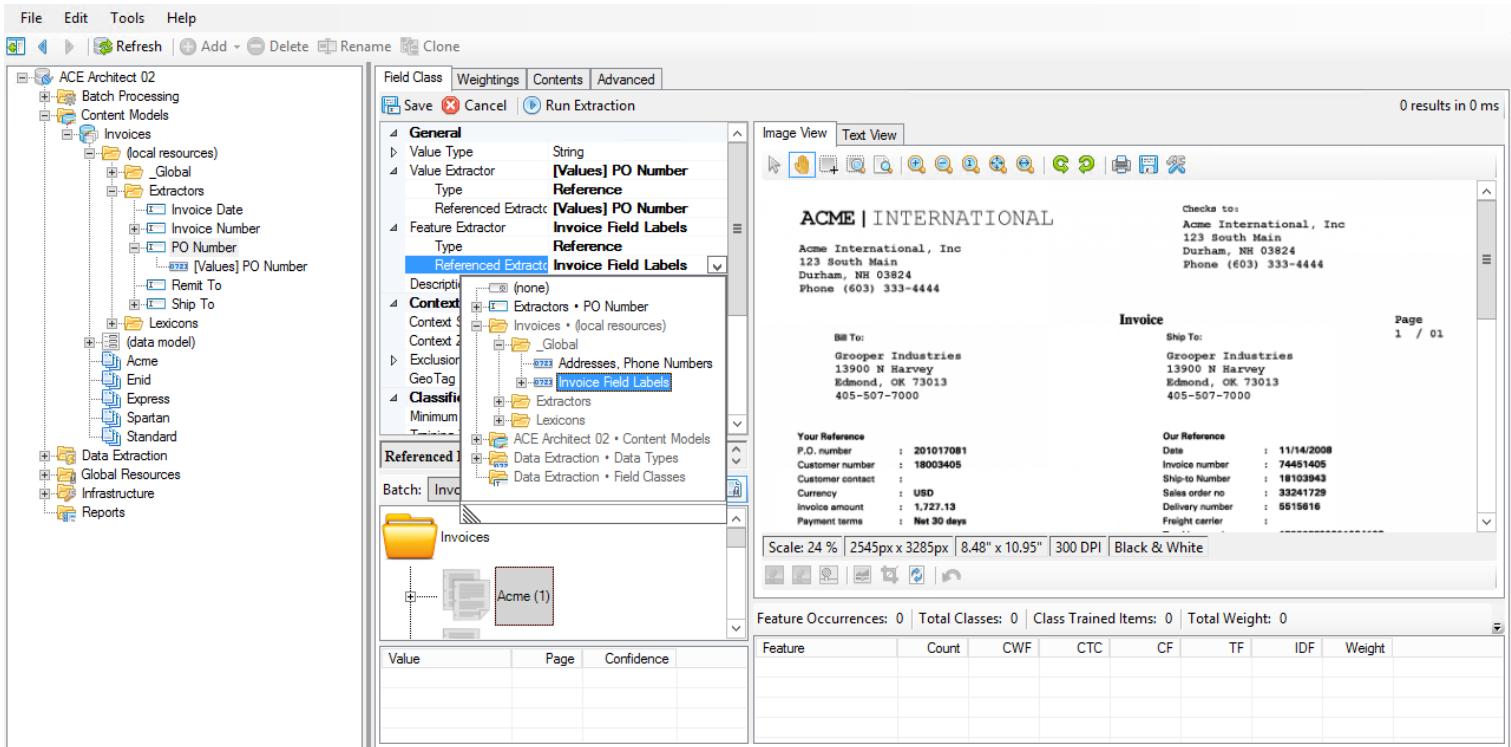
| | |
|-----------------|--------------|
| Date | : 11/14/2008 |
| Invoice number | : 74451405 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241729 |
| Delivery number | : 5615616 |
| Freight carrier | : |

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0

Value Page Confidence

Count CWF CTC CF TF IDF Weight



> Content Models / Invoices / (local resources) / Extractors / PO Number [I](#)

1. Select **Acme (1)**.
2. Press **Run Extraction**.
3. In the candidate list, find the value that has the appropriate feature(s) to train.
4. Right click and select **Train As Positive**.

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - PO Number
 - [Values] PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard

Data Extraction Global Resources Infrastructure Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

Image View Text View

13 results in 54 ms

General

 - Value Type String
 - Value Extractor [Values] PO Number
 - Type Reference
 - Referenced Extractor [Values] PO Number
 - Feature Extractor Invoice Field Labels
 - Type Reference
 - Referenced Extractor Invoice Field Labels
 - Description

Context Scope Options

 - Context Scope Zonal
 - Context Zones (2 Rectangle objects)
 - Exclusion Extractor (empty)
 - GeoTag Features False

Classifier Tuning

 - Minimum Feature Count 0
 - Training Threshold 0.00

Referenced Extractor

Batch: Invoices

Value Page Confidence

| | | |
|-----------|---|----------|
| 74451405 | 1 | 0.0000 % |
| 33241729 | 1 | 0.0000 % |
| 201017081 | 1 | 0.0000 % |
| 2008 | 1 | 0.0000 % |

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

13 results in 54 ms

Image View Text View

13 results in 54 ms

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference
P.O. number : 201017081

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Delivery number : 5515616
Freight carrier :
Tracking number : 122565E90301034108

Page 1 / 01

Feature Occurrences: 1 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 1.000000

Feature Count CWF TF IDF Weight

| | | | | | |
|-----------|---|---|----------|----------|----------|
| po number | 1 | 0 | 1.000000 | 1.000000 | 1.000000 |
|-----------|---|---|----------|----------|----------|

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - PO Number
 - [Values] PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard

Data Extraction Global Resources Infrastructure Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

Image View Text View

13 results in 40 ms

General

 - Value Type String
 - Value Extractor [Values] PO Number
 - Type Reference
 - Referenced Extractor [Values] PO Number
 - Feature Extractor Invoice Field Labels
 - Type Reference
 - Referenced Extractor Invoice Field Labels
 - Description

Context Scope Options

 - Context Scope Zonal
 - Context Zones (2 Rectangle objects)
 - Exclusion Extractor (empty)
 - GeoTag Features False

Classifier Tuning

 - Minimum Feature Count 0
 - Training Threshold 0.00

Referenced Extractor

Batch: Invoices

Value Page Confidence

| | | |
|-----------|---|------------|
| 201017081 | 1 | 100.0000 % |
| 000020 | 1 | 0.0000 % |
| 103003 | 1 | 0.0000 % |
| 000021 | 1 | 0.0000 % |

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

13 results in 40 ms

Image View Text View

13 results in 40 ms

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference
P.O. number : 201017081

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Delivery number : 5515616
Freight carrier :
Tracking number : 122565E90301034108

Page 1 / 01

Feature Occurrences: 1 | Total Classes: 9 | Class Trained Items: 0 | Total Weight: 1.000000

Feature Count CWF TF IDF Weight

| | | | | | |
|-----------|---|---|----------|----------|----------|
| po number | 1 | 1 | 1.000000 | 1.000000 | 1.000000 |
|-----------|---|---|----------|----------|----------|

1. Click to edit the **Context Zones**.
2. In the **Context Zones** window, edit the dimensions as follows:

| Property | Zone 1 | Zone 2 |
|----------|--------|--------|
| Left | -3.278 | -0.67 |
| Top | -0.054 | -0.37 |
| Right | 0.312 | 0.5 |
| Bottom | 0.054 | 0.04 |

3. Press **OK**.
4. Change the following property value(s):

| Property | Default Value | New Value |
|--------------------|---------------|-----------|
| Output | | |
| Minimum Confidence | 0% | 70% |

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - PO Number
 - [Values] PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard

Data Extraction Global Resources Infrastructure Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 16 results in 33 ms

General

 - Value Type String
 - Value Extractor [Values] PO Number
 - Type Reference
 - Referenced Extractor [Values] PO Number
 - Feature Extractor Invoice Field Labels
 - Type Reference
 - Referenced Extractor Invoice Field Labels
 - Description

Context Scope Options

 - Context Scope Zonal
 - Context Zones (2 Rectangle objects) ...
 - Exclusion Extractor (empty)
 - GeoTag Features False
 - Classifier Tuning Minimum Feature Count 0

Context Zones

Batch: Invoices

Value Page Confidence

| | | |
|-------------|---|-----------|
| 209001161 | 1 | 57.7350 % |
| 2008 | 1 | 0.0000 % |
| 3018 | 1 | 0.0000 % |
| 70328242140 | 1 | 0.0000 % |

Image View Text View

ACCOUNT NUMBER
INVOICE NUMBER
INVOICE DATE
DUE DATE
AMOUNT DUE

PO NUMBER: 209001161

Scale: 73 % | 2545px x 3274px | 8.48" x 10.91" | 300 DPI | Black & White

Feature Occurrences: 3 | Total Classes: 9 | Class Trained Items: 0 | Total Weight: 1.000000

Feature Count CWF TF IDF Weight

| | | | | | |
|----------------|---|---|----------|----------|----------|
| po number | 1 | 1 | 0.333333 | 1.000000 | 0.333333 |
| invoice amount | 1 | 0 | 0.333333 | 1.000000 | 0.333333 |
| due date | 1 | 0 | 0.333333 | 1.000000 | 0.333333 |

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - PO Number
 - [Values] PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard

Data Extraction Global Resources Infrastructure Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 16 results in 33 ms

General

 - Value Type String
 - Value Extractor [Values] PO Number
 - Type Reference
 - Referenced Extractor [Values] PO Number

Context Zones

OK Cancel + Add... Edit... Delete

| | |
|---------|-------------------------------|
| Zone No | Region |
| Zone 1 | (-3.278,-0.054):(0.312,0.054) |
| Zone 2 | (-1,-0.5):(1,0) |

Left -3.278
Top -0.054
Right 0.312
Bottom 0.054
Width 3.59
Height 0.108

Left
Type: Double Default: 0
The left edge of the rectangle.

ACCOUNT NUMBER
209001161

Feature Occurrences: 3 | Total Classes: 9 | Class Trained Items: 0 | Total Weight: 1.000000

Feature Count CWF TF IDF Weight

| | | | | | |
|----------------|---|---|----------|----------|----------|
| po number | 1 | 1 | 0.333333 | 1.000000 | 0.333333 |
| invoice amount | 1 | 0 | 0.333333 | 1.000000 | 0.333333 |
| due date | 1 | 0 | 0.333333 | 1.000000 | 0.333333 |

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - PO Number
 - [Values] PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 16 results in 33 ms

ACCOUNT NUMBER

Context Zones

OK Cancel + Add... Edit... Delete

| Zone No | Region |
|---------|-------------------------------|
| Zone 1 | (-3.278,-0.054):(0.312,0.054) |
| Zone 2 | (-0.67,-0.37):(0.5,0.04) |

Left -0.67
Top -0.37
Right 0.5
Bottom 0.04
Width 1.17
Height 0.41

90001161

Feature Occurrences: 3 | Total Classes: 9 | Class Trained Items: 0 | Total Weight: 1.000000

| Feature | Count | CWF | TF | IDF | Weight |
|----------------|-------|-----|----------|----------|----------|
| po number | 1 | 1 | 0.333333 | 1.000000 | 0.333333 |
| invoice amount | 1 | 0 | 0.333333 | 1.000000 | 0.333333 |
| due date | 1 | 0 | 0.333333 | 1.000000 | 0.333333 |

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Date
 - Invoice Number
 - PO Number
 - [Values] PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 1 results in 32 ms

ACCOUNT NUMBER
INVOICE NUMBER
INVOICE DATE
DU DATE
AMOUNT DUE

PO NUMBER: 209001161

Context Scope Options

Context Scope Zonal
Context Zones (2 Rectangle objects)

Exclusion Extractor (empty)
GeoTag Features False

Classifier Tuning
Minimum Feature Count 0
Training Threshold 0%
Use Class Frequency False
Sublinear TF Scaling False
Smooth IDF True

Output
Minimum Confidence 70%
Collation Method Individual
Order By Confidence
Direction Descending

Minimum Confidence

Batch: Invoices

Value Page Confidence

209001161 1 100.0000 %

Scale: 73 % | 2545px x 3274px | 8.48" x 10.91" | 300 DPI | Black & White

Feature Occurrences: 1 | Total Classes: 9 | Class Trained Items: 0 | Total Weight: 1.000000

| Feature | Count | CWF | TF | IDF | Weight |
|-----------|-------|-----|----------|----------|----------|
| po number | 1 | 1 | 1.000000 | 1.000000 | 1.000000 |



Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|-----------|
| General | | |
| Value Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | PO Number |
| Behavior | | |
| Required | False | True |

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Field | Contents | Advanced | Save | Cancel | Test Extraction

General

 - Value Type: String
 - Value Extractor: (empty)
 - Minimum Confidence: 20%
 - Sub-Element Name:
 - Description:

Appearance

 - Alignment: Left
 - Display Width: 100
 - Error Color: 255, 192, 192
 - Background Color: Window
 - Foreground Color:WindowText
 - Visible: True
 - Label Position: Left

Data Field

Represents a field.

Remarks

Fields can be children of [Data Model](#) or [Data Section](#) objects. Field objects define characteristics such as:

 - The appearance of the item in the [Index Panel](#).
 - The default ESP™ Extraction settings. These settings can be overridden on the [Value Extractor](#) page.

Batch: Invoices

PO Number

Data Field Preview

Document View | Text View | Instance View

ACME | INTERNATIONAL

Check to: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference

| | |
|------------------|---------------|
| PO number | : 20017001 |
| Customer number | : 18003409 |
| Customer contact | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Our Reference

| | |
|-----------------|---------------------|
| Date | : 11/14/2008 |
| Invoice number | : 74451405 |
| Ship-to Number | : 19103943 |
| Sales order no | : 33241729 |
| Delivery number | : |
| Freight carrier | : |
| Tracking number | : 12256690301034108 |

Scale: 19 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

ACE Architect 02

Data Field **Contents** **Advanced**

Save **Cancel** **Test Extraction**

General

- Value Type: String
- Type: PO Number
- Referenced Extractor: PO Number
- Minimum Confidence: (none)
- Sub-Element Name: (data model) • PO Number
- Description: Invoices • (local resources)
- Appearance
- Alignment: MiddleLeft
- Display Width: 100
- Error Color: #FF0000
- Background Color: #E0E0E0
- Font Color: #000000

Referenced Extractor

Type: Grooper Node

When Type is set to 'Reference', specify the type of object to extract.

Property Type: Grooper Node

Grooper Nodes are objects which are referenceable at every level of the tree structure. All Grooper Node objects support:

Batch: Invoices

PO Number

Data Field Preview

Document View **Text View** **Instance View**

ACME | INTERNATIONAL

Check to: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference

| | |
|------------------|---------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Customer contact | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Our Reference

| | |
|-----------------|---------------------|
| Date | : 11/14/2008 |
| Invoice number | : 74461405 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241729 |
| Delivery number | : 5515618 |
| Freight carrier | : |
| Tracking number | : 12356890301034108 |

Scale: 19% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

ACE Architect 02

Data Field **Contents** **Advanced**

Save **Cancel** **Test Extraction**

Label Position: Left

Label Alignment: MiddleLeft

Behavior

- FieldSense™: Disabled
- Input Mask: Disabled
- Multi Line: Disabled
- Tooltip: (Text)
- Read Only: False
- Required: **True**
- Sticky: False
- Requires Validation: False
- Character Casing: Normal
- Preserve Character Data: False

Required

Type: Boolean, Default: False

If set to true, a value is required in the field.

Batch: Invoices

PO Number

Data Field Preview

Document View **Text View** **Instance View**

ACME | INTERNATIONAL

Check to: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference

| | |
|------------------|---------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Customer contact | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Our Reference

| | |
|-----------------|---------------------|
| Date | : 11/14/2008 |
| Invoice number | : 74461405 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241729 |
| Delivery number | : 5515618 |
| Freight carrier | : |
| Tracking number | : 12356890301034108 |

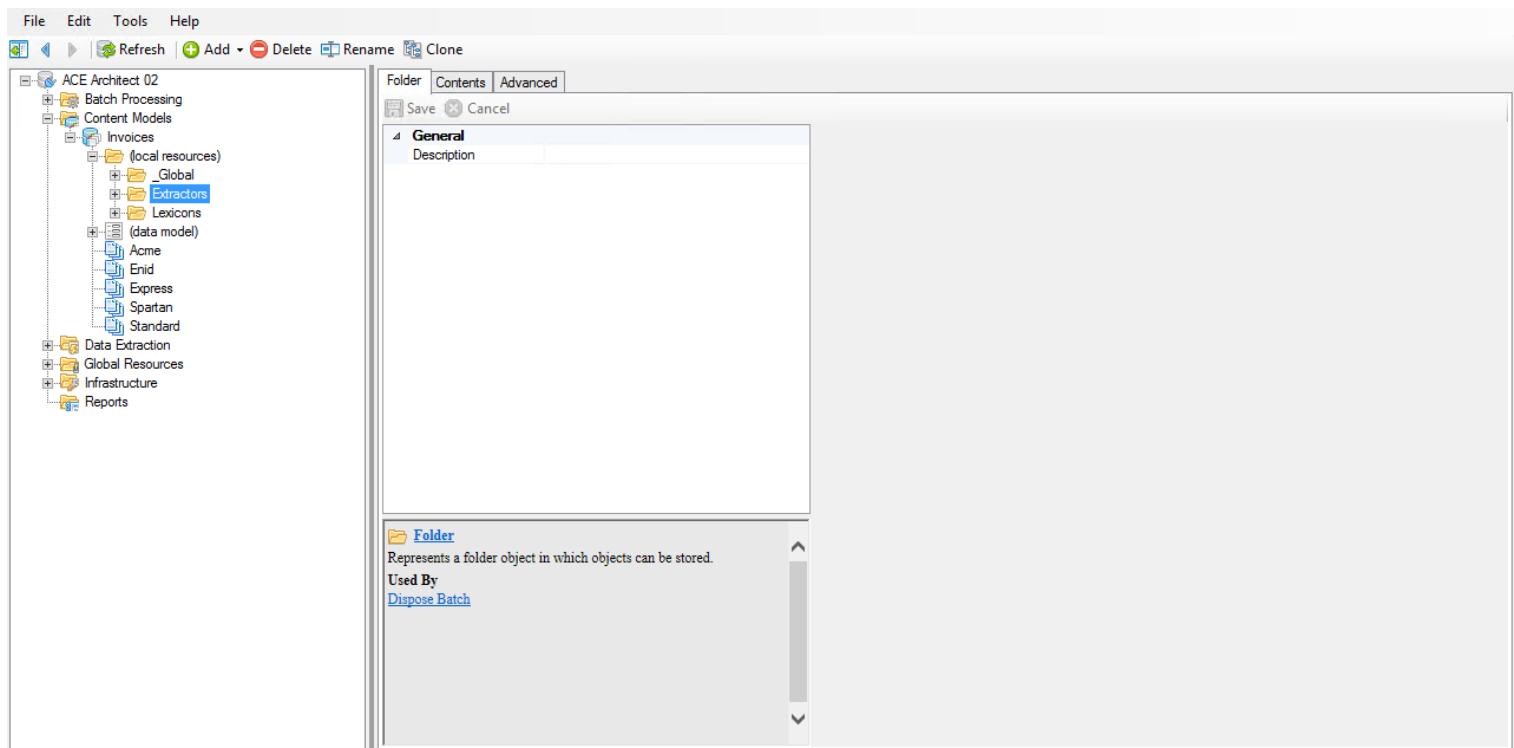
Scale: 19% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Invoice Amount

> Content Models / Invoices / (local resources) / Extractors 

1. Right click and select Add → Field Class... .

2. Name it **Invoice Amount** .



File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 0 results in 0 ms

General

- Value Type String
- Value Extractor (empty)
- Feature Extractor (empty)
- Description

Context Scope Options

- Context Scope Zonal
- Context Zones (2 Rectangle objects)
- Exclusion Extractor (empty)
- GeoTag Features False

Classifier Tuning

- Minimum Feature Count 0
- Training Threshold 0%
- Use Class Frequency False
- Sublinear TF Scaling False
- Smooth IDF True

Image View Text View

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice Page 1 / 01

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference

| | |
|------------------|---------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Customer contact | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Our Reference

| | |
|-----------------|--------------|
| Date | : 11/14/2008 |
| Invoice number | : 74451405 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241729 |
| Delivery number | : 5515616 |
| Freight carrier | : |

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 0 Total Classes: 0 Class Trained Items: 0 Total Weight: 0

| Feature | Count | CWF | CTC | CF | TF | IDF | Weight |
|---------|-------|-----|-----|----|----|-----|--------|
| | | | | | | | |

> Content Models / Invoices / (local resources) / Extractors / **Invoice Amount**

Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|----------------------|
| General | | |
| Value Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | Currency |
| Feature Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | Invoice Field Labels |

The screenshot shows the ACE Architect 02 software interface. The left sidebar displays a tree view of project components: Content Models, Invoices (with sub-folders like Global, Extractors, Invoice Amount, Invoice Date, Invoice Number, PO Number, Remit To, Ship To), Lexicons (data model), Acme, Enid, Express, Spartan, Standard, Data Extraction, Global Resources, Infrastructure, and Reports.

The main workspace is divided into several panes:

- Field Class Dialog:** A central dialog box titled "Field Class" with tabs for "Weightings", "Contents", and "Advanced". It includes "Save", "Cancel", and "Run Extraction" buttons. The "General" tab is selected, showing "Value Type" as "String", "Value Extractor" as "Currency", and "Type" as "Reference". A dropdown menu under "Referenced Extract" shows "Currency" selected. Below this are sections for "Extractors" (including "Invoice Amount"), "Invoices" (local resources), "ACE Architect 02 - Content Models", "Data Extraction - Data Types" (with "Downloads" expanded to show "Base Types" like Address, Credit Card Number, Currency, Date, E-Mail Address, FEI/EIN Number, Field Label, Name, Page Number, Percentage, Phone No, SSN, and VIN), and "Data Extraction - Field Classes" (with "Base Types (Fuzzy)", "Features", "FieldSense™", and "Training Materials").
- Image View:** A preview pane showing a PDF document titled "ACME | INTERNATIONAL". The document contains a header with company information: "Acme International, Inc", address "123 South Main", city "Durham, NH 03824", and phone "(603) 333-4444". It also includes a section for "Checks to:" with the same details. The "Invoice" section lists "Bill To: Grooper Industries" with address "13900 N Harvey", city "Edmond, OK 73013", and phone "405-507-7000". The "Your Reference" section includes P.O. number "201017081", customer number "18003405", and currency "USD". The "Our Reference" section includes date "11/14/2008", invoice number "74451405", and delivery number "5515616".
- Feature Statistics:** A bottom pane showing "Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0". A table below lists features with their counts, CWF, CTC, CF, TF, IDF, and weight.

The screenshot displays the ACE Architect 02 software interface. The left sidebar shows a tree view of project components: Content Models, Invoices (with sub-folders like Global, Extractors, and Invoice Amount), Lexicons, and various data models (Acme, Enid, Express, Spartan, Standard). Below these are Data Extraction, Global Resources, Infrastructure, and Reports.

The main workspace is divided into several panes:

- Field Class:** A configuration pane for "Invoice Field Labels". It includes tabs for General, Weightings, Contents, and Advanced. Buttons for Save, Cancel, and Run Extraction are at the top. The General tab shows settings for Value Type (String), Value Extractor (Currency Reference), and Feature Extractor (Invoice Field Labels Reference). A dropdown menu for "Referenced Extract" is open, showing "Invoice Field Labels" as the selected option. Other options listed include "Extractor • Invoice Amount", "Invoices • (local resources)", "Global", "Addresses, Phone Numbers", and "Invoice Field Labels".
- Image View:** A preview pane showing a scanned document titled "ACME | INTERNATIONAL". The document contains information about Acme International, Inc., including address and phone number. It also shows an "Invoice" section with bill-to and ship-to details for Grooper Industries.
- Text View:** A detailed view of the extracted data, including sections for "Your Reference" (P.O. number, Customer number, Customer contact, Currency, Invoice amount, Payment terms) and "Our Reference" (Date, Invoice number, Ship-to Number, Sales order no, Delivery number, Freight center).
- Status Bar:** At the bottom, it shows "Scale: 24 % [2545px x 3285px | 8.49" x 10.95" | 300 DPI | Black & White]".
- Metrics:** Below the preview panes, it displays "Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0".
- Feature Table:** A table showing metrics for features: Value, Page, Confidence, Count, CWF, CTC, CF, TF, IDF, and Weight.

1. Select **Acme (1)**.
2. Press **Run Extraction**.
3. In the candidate list, find the value that has the appropriate feature(s) to train.
4. Right click and select **Train As Positive**.

The screenshot shows the ACE Architect software interface with the following details:

- File Bar:** File, Edit, Tools, Help.
- Toolbar:** Refresh, Add, Delete, Rename, Clone.
- Left Sidebar:**
 - ACE Architect 02
 - Batch Processing
 - Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports
- Central Area:**
 - Field Class Tab:** Save, Cancel, Run Extraction (highlighted).
 - General Section:**
 - Value Type: String
 - Value Extractor: Currency Reference
 - Referenced Extract: Currency
 - Feature Extractor: Invoice Field Labels Reference
 - Referenced Extract: Invoice Field Labels
 - Description: Context Scope Options (Zonal), Context Zones (2 Rectangle objects), Exclusion Extractor (empty), GeoTag Features (False)
 - Classifier Tuning: Minimum Feature Count (0)
 - Image View:** Shows a preview of an invoice document with the 'Invoice Amount' field highlighted in blue.
 - Text View:** Shows the extracted data from the invoice, including 'Bill To' and 'Your Reference' sections.
 - Invoice Section:** Shows the 'Invoice' section with extracted fields like P.O. number, Date, and Payment terms.
 - Scale:** 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White.
 - Feature Occurrences:** 1 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 1.000000
 - Table:** Shows the feature occurrences for 'invoice amount'.

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 11 results in 8 ms

General

- Value Type String
- Value Extractor Currency
- Type Reference
- Referenced Extractor Currency
- Feature Extractor Invoice Field Labels
- Type Reference
- Referenced Extractor Invoice Field Labels
- Description

Context Scope Options

- Context Scope Zonal
- Context Zones (2 Rectangle objects)
- Exclusion Extractor (empty)
- GeoTag Features False

Classifier Tuning

- Minimum Feature Count 0

Referenced Extractor

Batch: Invoices

Invoice

Image View Text View

iPhone (603) 333-4444

Bill To: Grooper Industries 13900 N Harvey Edmond, OK 73013 405-507-7000

Ship To: Grooper Industries 13900 N Harvey Edmond, OK 73013 405-507-7000

Page 1 / 01

Your Reference

| | |
|------------------|---------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Customer contact | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Our Reference

| | |
|-----------------|----------------------|
| Date | : 11/14/2008 |
| Invoice number | : 74451405 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241729 |
| Delivery number | : 5515616 |
| Freight carrier | : |
| Tracking number | : 122565E90301034108 |

Invoice details

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 1 | Total Classes: 1 | Class Trained Items: 0 | Total Weight: 1.000000

| Feature | Count | CWF | TF | IDF | Weight |
|----------------|-------|-----|----------|----------|----------|
| invoice amount | 1 | 1 | 1.000000 | 1.000000 | 1.000000 |

1. Click to edit the **Context Zones**.
2. In the **Context Zones** window, edit the dimensions as follows:

| Property | Zone 1 | Zone 2 |
|----------|--------|--------|
| Left | -4 | -0.58 |
| Top | -0.05 | -0.36 |
| Right | 0.2 | 0.3 |
| Bottom | 0.1 | 0.05 |

3. Press **OK**.
4. Change the following property value(s):

| Property | Default Value | New Value |
|--------------------|---------------|-----------|
| Output | | |
| Minimum Confidence | 0% | 70% |

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class **Weightings** **Contents** **Advanced**

Save Cancel Run Extraction

Image View Text View

iPhone (603) 333-4444

11 results in 4 ms

General

- Value Type String
- Value Extractor Currency Reference
- Feature Extractor Invoice Field Labels Type Reference Referenced Extractor Invoice Field Labels Description
- Context Scope Options**
- Context Scope Zonal
- Context Zones** (2 Rectangle objects)
- Exclusion Extractor (empty)
- GeoTag Features False
- Classifier Tuning Minimum Feature Count 0

Context Zones

Batch: Invoices

Value Page Confidence

| | | |
|----------|---|------------|
| 1,727.13 | 1 | 100.0000 % |
| 984.53 | 1 | 0.0000 % |
| 1,969.06 | 1 | 0.0000 % |
| 12.50 | 1 | 0.0000 % |

Invoice

Bill To: Grooper Industries 13900 N Harvey Edmond, OK 73013 405-507-7000

Ship To: Grooper Industries 13900 N Harvey Edmond, OK 73013 405-507-7000

Page 1 / 01

Your Reference P.O. number : 201017081 Customer number : 18003405 Customer contact : Currency : USD Invoice amount : 1,727.13

Our Reference Date : 11/14/2008 Invoice number : 74451405 Ship-to Number : 18103943 Sales order no : 33241729 Delivery number : 5515616 Freight carrier : Tracking number : 122565E90301034108

Invoice details

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 1 | Total Classes: 1 | Class Trained Items: 0 | Total Weight: 1.000000

Feature Count CWF TF IDF Weight

| | | | | | |
|----------------|---|---|----------|----------|----------|
| invoice amount | 1 | 1 | 1.000000 | 1.000000 | 1.000000 |
|----------------|---|---|----------|----------|----------|

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class **Weightings** **Contents** **Advanced**

Save Cancel Run Extraction

Image View Text View

iPhone (603) 333-4444

11 results in 4 ms

General

- Value Type String
- Value Extractor Currency Reference
- Feature Extractor Invoice Field Labels Type Reference Referenced Extractor Invoice Field Labels Description

Context Zones

OK Cancel + Add... Edit... Delete

Zone No Region

| | |
|--------|------------------|
| Zone 1 | (-4.05)(0.2,0.1) |
| Zone 2 | (-1,-0.5)(1,0) |

Left Top Right Bottom Width Height

| | |
|-----|---------------------|
| -4 | -0.05 |
| 0.2 | 0.1 |
| 4.2 | 0.15000000000000002 |

To: Grooper Industries 900 N Harvey Edmond, OK 73013 5-507-7000

Reference P.O. number : 11/14/2008 Customer number : 74451405 Order number : 18103943 Sales order no : 33241729 Delivery number : 5515616 Freight carrier : Tracking number : 122565E90301034108

Left Type: Double Default: 0 The left edge of the rectangle.

Invoice details

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 1 | Total Classes: 1 | Class Trained Items: 0 | Total Weight: 1.000000

Feature Count CWF TF IDF Weight

| | | | | | |
|----------------|---|---|----------|----------|----------|
| invoice amount | 1 | 1 | 1.000000 | 1.000000 | 1.000000 |
|----------------|---|---|----------|----------|----------|

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class **Weightings** **Contents** **Advanced**

Save Cancel Run Extraction

11 results in 4 ms

Context Zones

OK Cancel + Add... Edit... Delete

| Zone No | Region |
|---------|---------------------------|
| Zone 1 | (-4,-0.05):(0.2,0.1) |
| Zone 2 | (-0.58,-0.36):(-0.3,0.05) |

Left -0.58
Top -0.36
Right 0.3
Bottom 0.05
Width 0.8799999999999989
Height 0.41

To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Delivery number : 5515616
Freight carrier :
Tracking number : 122565E90301034108

Page 1 / 01

Feature Occurrences: 1 | Total Classes: 1 | Class Trained Items: 0 | Total Weight: 1.000000

| Feature | Count | CWF | TF | IDF | Weight |
|----------------|-------|-----|----------|----------|----------|
| invoice amount | 1 | 1 | 1.000000 | 1.000000 | 1.000000 |

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class **Weightings** **Contents** **Advanced**

Save Cancel Run Extraction

1 results in 4 ms

Context Scope Options

Context Scope Zonal
Context Zones (2 Rectangle objects)
Exclusion Extractor (empty)
GeoTag Features False

Classifier Tuning

Minimum Feature Count 0
Training Threshold 0%
Use Class Frequency False
Sublinear TF Scaling False
Smooth IDF True

Output

Minimum Confidence 50%
Collation Method Individual
Order By Confidence
Direction Descending

Minimum Confidence

Batch: Invoices

Value Page Confidence

| | | |
|----------|---|-----------|
| 1.727.13 | 1 | 100.000 % |
|----------|---|-----------|

Image View **Text View**

iPhone (603) 333-4444

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD
Invoice amount : 1,727.13
Payment terms : Net 30 days

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Delivery number : 5515616
Freight carrier :
Tracking number : 122565E90301034108

Page 1 / 01

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Feature Occurrences: 1 | Total Classes: 1 | Class Trained Items: 0 | Total Weight: 1.000000

| Feature | Count | CWF | TF | IDF | Weight |
|----------------|-------|-----|----------|----------|----------|
| invoice amount | 1 | 1 | 1.000000 | 1.000000 | 1.000000 |

Change the following property value(s):

| Property | Default Value | New Value |
|--------------------|---------------|-----------|
| General | | |
| Value Type | String | Decimal |
| → Format Specifier | - | c2 |

File Edit Tools Help

ACE Architect 02 | Refresh | Add | Delete | Rename | Clone

Data Field | Contents | Advanced | Save | Cancel | Test Extraction

General

- Value Type: String
- Value Extractor: (empty)
- Minimum Confidence: 20%
- Sub-Element Name:
- Description:

Appearance

- Alignment: Left
- Display Width: 100
- Error Color: 255, 192, 192
- Background Color: Window
- Foreground Color:WindowText
- Visible: True
- Label Position: Left

Data Field

Represents a field.

Remarks

Fields can be children of [Data Model](#) or [Data Section](#) objects. Field objects define characteristics such as:

- The appearance of the item in the [Index Panel](#).
- The default ESP™ Extraction settings. These settings can be overridden on

Batch: Invoices

Invoice Amount Data Field Preview

Document View Text View Instance View

ACME | INTERNATIONAL

Check to: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Bill To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-597-7000

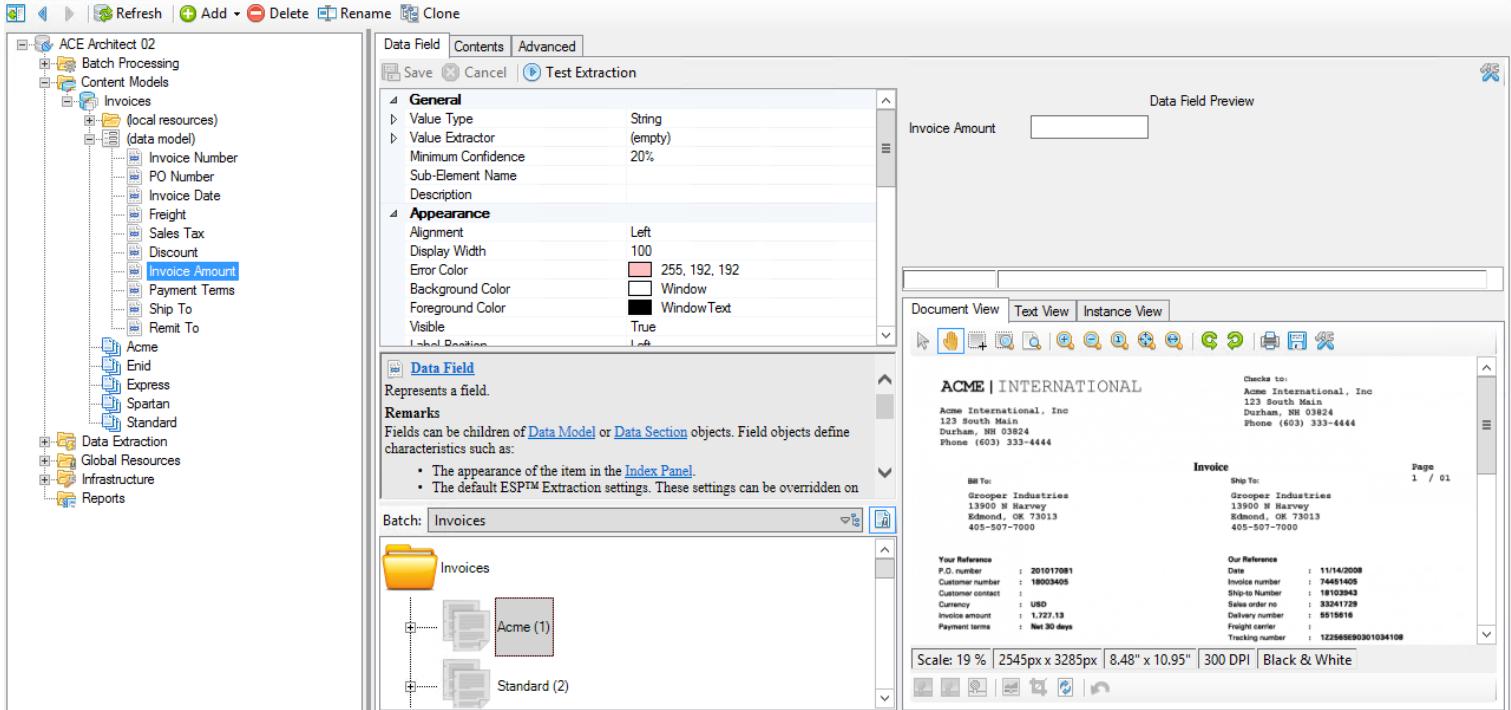
Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-597-7000

Page 1 / 01

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD
Invoice amount : 1,727.13
Payment terms : Net 30 days

Our Reference
Date : 11/14/2009
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Delivery address : 5515918
Freight carrier :
Tracking number : 12256590301034108

Scale: 19 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White



ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
- Invoice Number
- PO Number
- Invoice Date
- Freight
- Sales Tax
- Discount
- Invoice Amount
- Payment Terms
- Ship To
- Remit To
- Acme
- End
- Express
- Spartan
- Standard

Data Extraction

Global Resources

Infrastructure

Reports

Data Field [Save] [Cancel] [Test Extraction]

General

Value Type: **Decimal**

Value Extractor: (empty)

Minimum Confidence: 20%

Appearance

Alignment: Left

Display Width: 100

Error Color: 255, 192, 192

Background Color: Window

Foreground Color:WindowText

Visible: True

Label Position: Left

Value Type

Type: *Storage Type*, Default: *String*

Defines what type of information this field will contain. Can be one of the following values:

- Boolean - Represents a Boolean (true or false) value.
- DateTime - Represents an instant in time, typically expressed as a date and/or time of day.
- Decimal - Represents a decimal value.

Batch: Invoices

Document View [Text View] [Instance View]

ACME | INTERNATIONAL

Check to: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference

| | |
|------------------|---------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Customer contact | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Our Reference

| | |
|-----------------|---------------------|
| Date | : 11/14/2008 |
| Invoice number | : 74461405 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241729 |
| Delivery number | : 5515618 |
| Freight carrier | : |
| Tracking number | : 12356890301034108 |

Scale: 19% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
- Invoice Number
- PO Number
- Invoice Date
- Freight
- Sales Tax
- Discount
- Invoice Amount
- Payment Terms
- Ship To
- Remit To
- Acme
- End
- Express
- Spartan
- Standard

Data Extraction

Global Resources

Infrastructure

Reports

Data Field [Save] [Cancel] [Test Extraction]

General

Value Type: **Decimal**

Input Styles

Format Specifier: **c2**

Input Cultures

Output Culture

Minimum Value

Maximum Value

Value Range: -79228162514264337593543950335 to 792

Value Extractor: (empty)

Minimum Confidence: 20%

Appearance

Format Specifier

Type: *String*

Defines the numeric display format.

Remarks

Custom format specifiers can be created. Please see the following links for complete documentation:

- Standard Numeric Formats

Batch: Invoices

Document View [Text View] [Instance View]

ACME | INTERNATIONAL

Check to: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference

| | |
|------------------|---------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Customer contact | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Our Reference

| | |
|-----------------|---------------------|
| Date | : 11/14/2008 |
| Invoice number | : 74461405 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241729 |
| Delivery number | : 5515618 |
| Freight carrier | : |
| Tracking number | : 12356890301034108 |

Scale: 19% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White



Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|----------------|
| General | | |
| Value Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | Invoice Amount |
| Behavior | | |
| Required | False | True |

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Save Cancel Test Extraction

General

- Value Type: Decimal
- Value Extractor: (empty)
- Minimum Confidence: 20%
- Sub-Element Name:
- Description:

Appearance

- Alignment: Left
- Display Width: 100
- Error Color: 255, 192, 192
- Background Color: Window
- Foreground Color:WindowText
- Visible: True
- Label Position: Left

Value Extractor

Type: Embedded Extractor

The default extractor to use for this field.

Remarks

The default extractor can be overridden on individual Content Types using a Field Profile.

Property Type: Embedded Extractor

Batch: Invoices

- Invoices
 - Acme (1)
 - Standard (2)

Invoice Amount Data Field Preview

Invoice Amount

Document View Text View Instance View

ACME | INTERNATIONAL

Check to: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

| | |
|-------------------|--|
| Bill To: | Grooper Industries 13900 N Harvey Edmond, OK 73013 405-507-7000 |
| Ship To: | Grooper Industries 13900 N Harvey Edmond, OK 73013 405-507-7000 |
| Page 1 / 01 | |
| Your Reference | Our Reference |
| Date: | Date: 11/14/2008 |
| Customer number: | Invoice number: 14451405 |
| Customer contact: | Ship-to Number: 19103943 |
| Currency: | Sales order no: 33241729 |
| Invoice amount: | Delivery number: 5515618 |
| Payment terms: | Freight carrier: |
| Net 30 days | Tracking number: 12256690301034108 |

Scale: 19 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - End
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field **Contents** **Advanced**

Save **Cancel** **Test Extraction**

General

Value Type

Referenced Extractor

Decimal

Invoice Amount

Reference

Invoice Amount

Minimum Confidence

Sub-Element Name

Description

Appearance

Alignment

Display Width

Error Color

Background Color

Foreground Color

Referenced Extractor

Type: *Grooper Node*

When Type is set to 'Reference', specify the type of node to extract.

Property Type: *Grooper Node*

Grooper Nodes are objects which appear at every level of the tree structure, including the root. All Grooper Node objects support a

Batch: Invoices

Invoice Amount

Invoice Date

Invoice Number

PO Number

Remit To

Ship To

Lexicons

ACE Architect 02 • Content Models

Data Extraction • Data Types

Data Extraction • Field Classes

Data Field Preview

Invoice Amount

Document View **Text View** **Instance View**

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice
Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Our Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD
Invoice amount : 1,727.13
Payment terms : Net 30 days

Page 1 / 01

Scale: 19% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

File **Edit** **Tools** **Help**

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - End
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field **Contents** **Advanced**

Save **Cancel** **Test Extraction**

Label Position Left

Label Alignment MiddleLeft

Behavior

FieldSense™ Disabled

Input Mask Disabled

Tooltip (Text)

Read Only False

Required True

Sticky False

Requires Validation False

Preserve Character Data False

Rubberband OCR Profile

Database Lookup

Database Table

Required

Type: Boolean, **Default:** False

If set to true, a value is required in the field.

Batch: Invoices

Invoice Amount

Invoice Date

Invoice Number

PO Number

Remit To

Ship To

Lexicons

ACE Architect 02 • Content Models

Data Extraction • Data Types

Data Extraction • Field Classes

Data Field Preview

Invoice Amount

Document View **Text View** **Instance View**

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice
Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD
Invoice amount : 1,727.13
Payment terms : Net 30 days

Our Reference
Date : 11/14/2008
Invoice number : 74461405
Ship-to Number : 18103943
Sales order no : 33241729
Delivery number : 5515618
Freight carrier :
Tracking number : 12356890301034108

Page 1 / 01

Scale: 19% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Payment Terms

> Content Models / Invoices / (data model) / Payment Terms 

Change the following property value(s):

| Property | Default Value | New Value |
|-----------------|-----------------|-----------------|
| General | | |
| Value Extractor | | |
| → Type | None | Internal |
| → Pattern | (Click to edit) | (Click to edit) |

File Edit Tools Help

ACE Architect 02 | Refresh | Add | Delete | Rename | Clone

Data Field | Contents | Advanced | Save | Cancel | Test Extraction

General

- Value Type: String
- Value Extractor: (empty)
- Minimum Confidence: 20%
- Sub-Element Name:
- Description:

Appearance

Behavior

FieldSense™: Disabled

Input Mask: Disabled

Multi Line: Disabled

Tooltip: (Text)

Read Only: False

Required: False

Sticky: False

Requires Validation: False

Character Casing: Normal

Preserve Character Data: False

Rubberband OCR Profile: None

Database Lookup

Batch: Invoices

Document View | Text View | Instance View

Payment Terms

Invoice

Check To: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

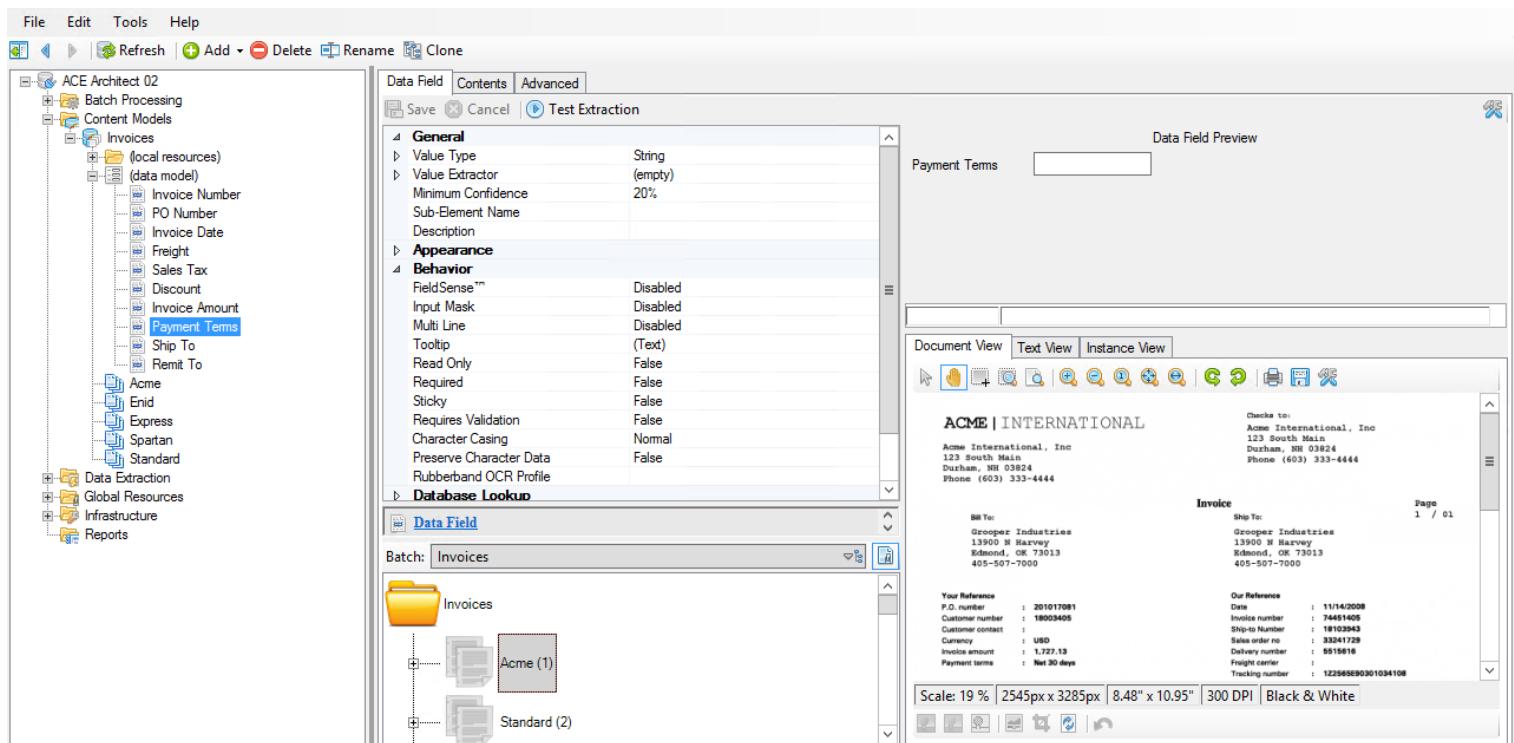
Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Yard Reference

| | | | |
|------------------|---------------|-----------------|----------------------|
| P.O. number | : 201017081 | Date | : 11/14/2009 |
| Customer number | : 18003405 | Invoice number | : 74451405 |
| Customer contact | : | Ship-to Number | : 18103943 |
| Currency | : USD | Sales order no | : 33241729 |
| Invoice amount | : 1,700.13 | Delivery number | : 8515818 |
| Payment terms | : Net 30 days | Freight | : |
| | | Tracking number | : 1Z2565E90301034108 |

Scale: 19 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White



File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field | Contents | Advanced

Save | Cancel | Test Extraction

General

- Value Type: String (empty pattern)
- Value Extractor Type: Internal
- Pattern: (Click to edit)
- Minimum Confidence: 20%
- Sub-Element Name:
- Description:

Appearance

- FieldSense™: Disabled
- Input Mask: Disabled
- Multi Line: Disabled
- Tooltip: (Text)
- Read Only: False
- Required: False
- Sticky: False
- Requires Validation: False
- Character Casing: Normal
- Preserve Character Data: False

Behavior

- FieldSense™: Disabled
- Input Mask: Disabled
- Multi Line: Disabled
- Tooltip: (Text)
- Read Only: False
- Required: False
- Sticky: False
- Requires Validation: False
- Character Casing: Normal
- Preserve Character Data: False

Pattern

Batch: Invoices

Document View | Text View | Instance View

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Our Reference

| | | | |
|------------------|---------------|-----------------|----------------------|
| P.O. number | : 20017981 | Date | : 11/14/2008 |
| Customer number | : 18002409 | Invoice number | : 74451405 |
| Customer contact | : | Ship-to Number | : 18103943 |
| Currency | : USD | Sales order no | : 33241729 |
| Invoice amount | : 1,727.13 | Delivery number | : 5515618 |
| Payment terms | : Net 30 days | Freight carrier | : |
| | | Tracking number | : 123565890301034108 |

Scale: 19 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

> Content Models / Invoices / (data model) / Payment Terms

- Select Acme (16).
- Edit the pattern(s):

Value Pattern

n[eo]t ([@Number]{2})

Output Format

- Press OK.

OK Cancel

Pattern Editor Properties

Value Pattern

```
1 n[eo]t-{@Number}{2}
```

Look Ahead Pattern

1

Look Behind Pattern

1

Output Format

```
Net {1:Number}
OK:n[eo] ({0-9}OoGgSsBUuD){2}
```

Batch: Invoices

- Standard (15)
- Acme (16)**
- Express (17)
- Enid (18)
- Delta (19)

Image Text

Bill To:

Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:

Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 02

Your Reference

| | | |
|------------------|---|-------------|
| P.O. number | : | 010013809 |
| Customer number | : | |
| Customer contact | : | Ken Storti |
| Currency | : | USD |
| Invoice amount | : | 2,432.98 |
| Payment terms | : | Net 30 days |

Our Reference

| | | |
|-----------------|---|------------|
| Date | : | 12/05/2008 |
| Invoice number | : | 74454835 |
| Ship-to Number | : | 18103443 |
| Sales order no | : | 33247493 |
| Delivery number | : | 5519238 |
| Freight carrier | : | |

Invoice details

| Item | Material |
|------|----------|
| | |

Scale: 34 % | 2533px x 3276px | 8.44" x 10.92" | 300 DPI | Black & White

Results (1)

| Net 30 | Confidence | Page No | Index | Length |
|--------|------------|---------|-------|--------|
| | 100 % | 1 | 628 | 6 |

> Content Models / Invoices / (data model) / Payment Terms 

Change the following property value(s):

| Property | Default Value | New Value |
|----------|---------------|-----------|
| Behavior | | |
| Required | False | True |

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field | Contents | Advanced

Save | Cancel | Test Extraction

General

- Value Type: String
Pattern: "n[eo]{1} (@Number){2}"
- Internal
Sub-Element Name: Minimum Confidence
Description: 20%
- Appearance
- Behavior
 - FieldSense™: Disabled
 - Input Mask: Disabled
 - Multi Line: Disabled
 - Tooltip: (Text)
 - Read Only: False
 - Required: **True**
 - Sticky: False
 - Requires Validation: False
 - Character Casing: Normal
 - Preserve Character Data: False

Required

Batch: Invoices

Invoices

- + Acme (1)
- + Standard (2)

Payment Terms

Data Field Preview

Document View | Text View | Instance View

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference

| | | | |
|------------------|---------------|-----------------|----------------------|
| P.O. number | : 200177001 | Date | : 11/14/2009 |
| Customer number | : 18002409 | Invoice number | : 74451405 |
| Customer contact | : | Ship-to Number | : 19103943 |
| Currency | : USD | Sales order no | : 33241729 |
| Invoice amount | : 1,727.13 | Delivery number | : 5515616 |
| Payment terms | : Net 30 days | Freight carrier | : |
| | | Tracking number | : 123566890301034108 |

Scale: 19 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Freight

> Content Models / Invoices / (local resources) / Extractors

1. Right click and select **Add → Data Type...**.
2. Name it **Freight**.

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Lexicons
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Folder

Represents a folder object in which objects can be stored.

Used By

[Dispose Batch](#)

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type

General

 - Value Type: String
 - Culture Filter:
 - Description:

Data Extraction

 - Pattern: (empty)
 - Referenced Extractors: (empty)
 - Input Filter: (empty)
 - Exclusion Extractor: (empty)

Output

 - Collation: Individual
 - Order By: Position
 - Direction: Ascending
 - Result Filter: (empty)

Deduplication

 - Deduplicate Locations: False
 - Deduplicate Values: False

Image View

Text View

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference

| | | |
|------------------|---|-------------|
| P.O. number | : | 201017081 |
| Customer number | : | 18003405 |
| Customer contact | : | |
| Currency | : | USD |
| Invoice amount | : | 1,727.13 |
| Payment terms | : | Net 30 days |

Our Reference

| | | |
|-----------------|---|--------------------|
| Date | : | 11/14/2008 |
| Invoice number | : | 74451405 |
| Ship-to Number | : | 18103943 |
| Sales order no | : | 33241729 |
| Delivery number | : | 5515616 |
| Freight carrier | : | |
| Tracking number | : | 122565E90301034108 |

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Value

| Value | Confidence | Page No | Index | Length | Extractor |
|-------|------------|---------|-------|--------|-----------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

1. As child extractors under the Freight Data Type, create:

- Data Format: Acme
- Data Format: Enid
- Data Format: Express
- Data Format: Standard
- Data Type: Spartan

The screenshot shows the ACE Architect 02 interface. On the left, the navigation tree includes 'ACE Architect 02', 'Batch Processing', 'Content Models', 'Invoices' (selected), '(local resources)', 'Extractors' (selected), 'Lexicons (data model)', 'Acme', 'Enid', 'Express', 'Spartan', 'Standard', 'Data Extraction', 'Global Resources', 'Infrastructure', and 'Reports'. The 'Extractors' node has a context menu open with options: Add, Rename F2, Clone Ctrl+Shift+C, Delete Del, Contents (highlighted), Share, Cut Ctrl+X, Copy Ctrl+C, Paste Ctrl+V, and Refresh F5. The 'Data Type' tab is selected in the main panel, showing a 'General' section with 'Value Type' set to 'String'. Below it is a 'Data Extraction' section with fields for 'Pattern' (empty), 'Referenced Extractors' (empty), 'Input Filter' (empty), and 'Exclusion Extractor' (empty). The 'Output' section shows 'Collation' set to 'Individual'. To the right, the 'Image View' tab displays an invoice from 'ACME | INTERNATIONAL' to 'Grooper Industries' with details like P.O. number 201017081, Customer number 18003405, and Currency USD. The 'Text View' tab shows the same invoice details in a table format.

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Contents • Add Multiple Items

Execute Cancel

General

Item Type: Item Names

Data Format: 0 entries

Item Names: Acme, Enid, Express, Standard

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.

Acme (1)
Standard (2)

Invoice

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Our Reference

| | |
|-----------------|----------------------|
| Date | : 11/14/2008 |
| Invoice number | : 74451405 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241729 |
| Delivery number | : 5515616 |
| Freight carrier | : |
| Tracking number | : 122565E90301034108 |

Black & White

Value | Confidence | Page No | Index | Length | Extractor

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Freight
 - Add
 - Rename F2
 - Clone Ctrl+Shift+C
 - Delete Del
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Contents

General

Value Type: String

Culture Filter:

Description:

Add

Add Data Format... Data Type... Input Filter (empty) Exclusion Extractor (empty)

Output

Collation: Individual Order By: Position Direction: Ascending Result Filter: (empty)

Deduplication

Deduplicate Locations: False Deduplicate Values: False

Image View

ACME | INTERNATIONAL

Checks to: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference

| | |
|------------------|---------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Customer contact | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Value | Confidence | Page No | Index | Length | Extractor

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Freight**
 - Acme
 - End
 - Express
 - Standard
 - Spartan
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - End
 - Express
 - Spartan
 - Standard

Data Extraction Global Resources Infrastructure Reports

Data Format Contents Advanced

Save Cancel Generate...

Pattern Editor Properties

Value Pattern

Look Ahead Pattern

Look Behind Pattern

Output Format

-Empty Expression-

Batch: Invoices

Image Text

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729

Scale: 27 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Results (0)

| | Confidence | Page No | Index | Length |
|--|------------|---------|-------|--------|
|--|------------|---------|-------|--------|

Edit the pattern(s) for each of the Data Formats:

- Acme

Make sure to enable Tab Marking!

Value Pattern

([@Number.] {3,12})

Look Ahead Pattern

Look Behind Pattern

Output Format

- Enid

Value Pattern

([@Number.] {3,12})

Look Ahead Pattern

Look Behind Pattern

Output Format

- Express

Value Pattern

([@Number.] {3,12})

Look Ahead Pattern

Output Format

- Standard

Value Pattern

([@Number.] {3,12})

Look Ahead Pattern

Output Format

The screenshot shows the ACE Architect 02 software interface. The top menu bar includes File, Edit, Tools, and Help. The toolbar contains icons for Refresh, Add, Delete, Rename, and Clone. The left sidebar displays a file tree with categories like ACE Architect 02, Batch Processing, Content Models, Invoices, Lexicons, Data Extraction, Global Resources, Infrastructure, and Reports. The main workspace is divided into several panes:

- Pattern Editor:** Shows a "Value Pattern" section with the regular expression `1 (@[Number.]{3,12})`. Below it are sections for "Look Ahead Pattern" (containing `1 WS.FREIGHT[0o]231[^n]+n`) and "Look Behind Pattern" (containing `1 n\n`).
Look Ahead Pattern:
1 WS.FREIGHT[0o]231[^n]+n
2 [^n]+n
3 [^t]+t
4 [^t]+t
Look Behind Pattern:
1 n\n
- Search Results:** A large pane titled "Invoice details" showing a table of invoice items. The table has columns: Item, Material Description, Quantity, Unit Price, and Value.
- Output Format:** A section showing the output format for the regular expression, including the prefix `{1:Number}` and the full expression `OK: (?=<WS.FREIGHT[0o]231[^n]+n[^n]+n[^t]+t[^t]+t)`.
- Batch Selection:** A dropdown menu set to "Invoices" with options for "Acme", "Enid", "Express", "Spartan", and "Standard".
- Results Table:** A table titled "Results (1)" showing one result row with confidence 100%, page number 1, index 962, and length 4. The value 4.20 is highlighted in blue.

The screenshot shows the ACE Architect 02 application interface. The left sidebar contains a tree view of project components: ACE Architect 02, Batch Processing, Content Models, Invoices (with sub-items like Global, Extractors, Freight, Acme, Enid, Express, Standard, Spartan), Lexicons (data model), and various reports. The main workspace is divided into several panes:

- Data Format** pane: Shows a "Pattern Editor" tab selected, displaying three patterns:
 - Value Pattern**: `1 (@[Number.] {3,12})`
 - Look Ahead Pattern**: `1 020-0027[\n]*?\n[^*]*?`
 - Look Behind Pattern**: `1 \r\n`
- Contents** pane: Shows a preview of an invoice document with two "TO" fields both set to "Edmond, OK 73013".
- Advanced** pane: Shows a preview of an invoice document with detailed shipping and handling information.
- Generate...** pane: Shows a preview of an invoice document with a total amount of **60.000**.
- Image** and **Text** tabs: Both are visible above the preview panes.
- Results (1)** pane: Shows the search result **60.000** with a confidence of 100%, page 1, index 743, and length 6.

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Freight
 - Acme
 - End
 - Express
 - Standard
 - Spartan
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - End
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Format **Contents** **Advanced**

Pattern Editor **Properties**

Value Pattern

```
1 (@Number.{3,12})
```

Look Ahead Pattern

```
1 shipping-charge?:[^d]{0,4}
```

Look Behind Pattern

```
1 \r\n
```

Output Format

```
{1:Number}
OK: (?<shipping charge?:[^d]{0,4})([0-9]{1}OoGgSsBuuD.){3,12}
```

Batch: Invoices

 - Enid (5)
 - Express (6)

Image **Text**

Klamath, OR 73013
405-507-7000

Vendor Number: M00000032
Customer Account Number: 138463500

| Line | McMaster Part Number | Description/Customer ID # | You Ordered | We Shipped | Balance Due | Unit Price | Extended Amount |
|------|----------------------|--|-------------|------------|-------------|------------|-----------------|
| 1 | 4192454 | CARBIDE-TIPPED HOLE SAW, 6" DIAMETER, 1-1/2" CUTTING DEPTH | 1 | 1 | 0 | 78.34 | 78.34 |

EA

Merchandise Amount: 78.34
Shipping Charge: 4.37
Invoice Total: \$82.71

The material billed on this invoice was shipped as follows:
McMaster Packing List Number: 1133638-01 Shipped Via: FEDEX GRND PPD on December 2, 2008
Total Packages: 1 Total Weight: 3 lbs

Scale: 28 % | 2498px x 3287px | 8.33" x 10.96" | 300 DPI | Black & White

Results (1) Confidence Page No Index Length
4.37 100 % 1 807 4

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Freight
 - Acme
 - End
 - Express
 - Standard
 - Spartan
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - End
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Format **Contents** **Advanced**

Pattern Editor **Properties**

Value Pattern

```
1 (@Number.{3,12})
```

Look Ahead Pattern

```
1 shipping-charge\s
```

Look Behind Pattern

```
1
```

Output Format

```
{1:Number}
OK: (?<shipping charge\s)([0-9]{1}OoGgSsBuuD.){3,12}}
```

Batch: Invoices

 - Acme (1)
 - Standard (2)

Image **Text**

NUMBER OF PKGS: 0 WEIGHT: 3.20
DATE SHIPPED: 11/12/2008
CARRIER: UPS GROUND REGIONAL
TRACKING NO: 1Z3018Y70328242140

These items are sold for domestic consumption in the United States. If exported, purchaser assumes full responsibility for compliance with US export controls.

PAYMENT TERMS NET 30 DAYS. PAY THIS INVOICE NO STATEMENT SENT. PAYABLE IN U.S. DOLLARS.

AMOUNT DUE 51.17

PLEASE DETACH THIS PORTION AND RETURN WITH YOUR PAYMENT.

INVOICE SUB TOTAL: 40.56
SHIPPING CHARGE: 7.71
TAX: 2.90

Scale: 27 % | 2545px x 3274px | 8.48" x 10.91" | 300 DPI | Black & White

Results (1) Confidence Page No Index Length
7.71 100 % 1 688 4

1. Create two Data Formats as children of the Spartan Data Type:

- Freight
- Value 1

2. Edit the pattern(s):

- Freight

Value Pattern

freight

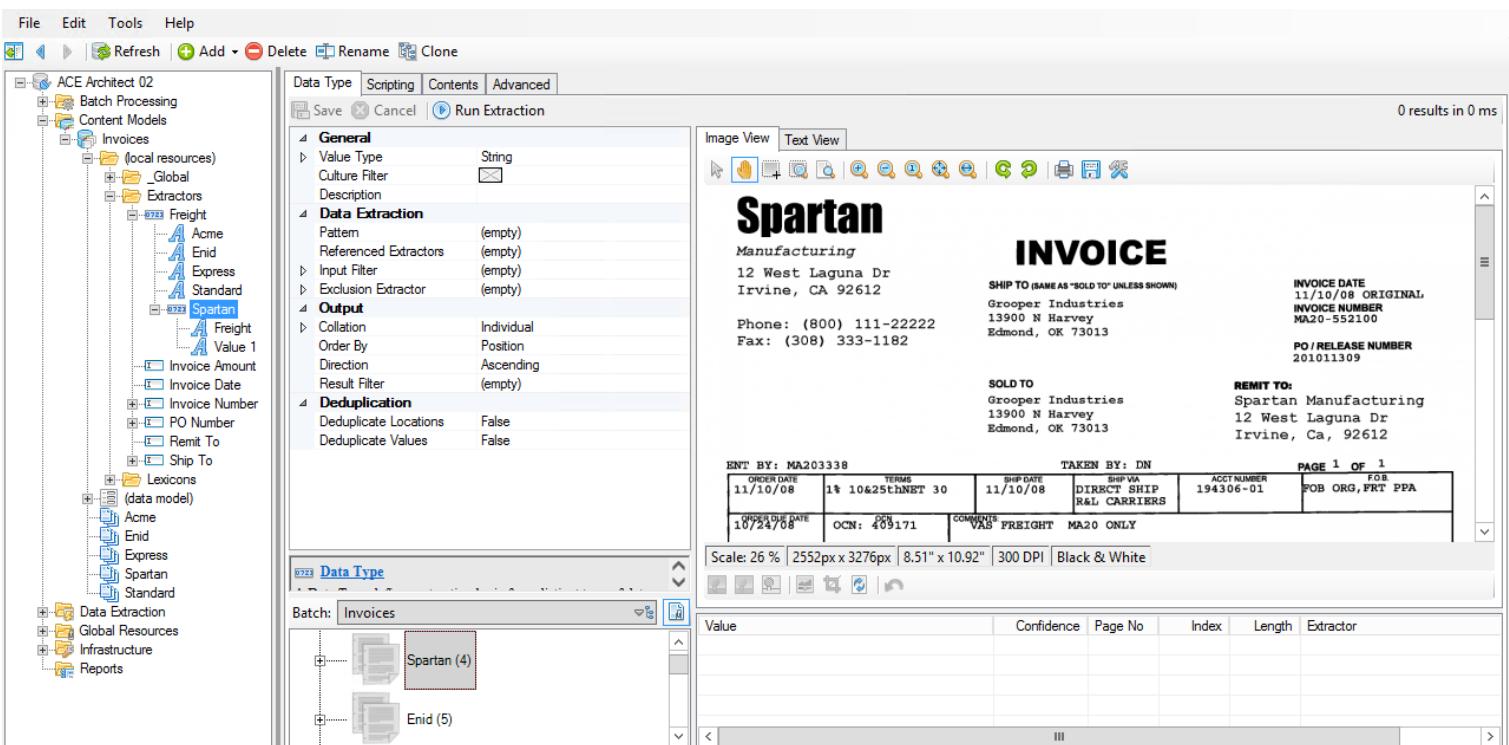
- Value 1

Value Pattern

[\d.]+

3. Right click on the Value 1 Data Format and select Clone.

4. Name the clone Value 2.



File Edit Tools Help

ACE Architect 02

Data Type Scripting Contents Advanced

Save Cancel Run Extraction

0 results in 0 ms

General

Value Type: String

Culture Filter

Description

Data Extraction

Pattern: (empty)

Referenced Extractors: (empty)

Input Filter: (empty)

Exclusion Extractor: (empty)

Output

Collation: Individual

Order By: Position

Direction: Ascending

Result Filter: (empty)

Deduplication

Deduplicate Locations: False

Deduplicate Values: False

Image View

Spartan INVOICE

Manufacturing
12 West Laguna Dr
Irvine, CA 92612

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

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

INVOICE DATE
11/10/08 ORIGINAL
INVOICE NUMBER
MA20-552100

PO / RELEASE NUMBER
201011309

SOLD TO
Grooper Industries
13900 N Harvey
Edmond, OK 73013

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

TAKEN BY: DN

| | | | | | |
|----------------------------|---------------------------|-------------------------|--------------------------|--------------------------|-------------------------|
| ORDER DATE 11/10/08 | TERMS 1% 10&25thNET 30 | SHIP DATE 11/10/08 | SHIP VIA R&L CARRIERS | ACCT NUMBER 194306-01 | FOR FOR ORG, FRT PPA |
| ORDER DUE DATE 10/24/08 | OCN: 409171 | COMMENTS VAS FREIGHT | MA20 ONLY | | |

Scale: 26 % 2552px x 3276px 8.51" x 10.92" 300 DPI Black & White

Data Type

Batch: Invoices

Spartan (4)

End (5)

Value

Confidence Page No Index Length Extractor

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Freight
 - Acme
 - End
 - Express
 - Standard
 - Spartan
 - Freight
 - Value 1
- Lexicons (data model)
 - Acme
 - End
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Format **Contents** **Advanced**

Pattern Editor **Properties**

Value Pattern

1 freight

Look Ahead Pattern (click to expand)

Look Behind Pattern (click to expand)

Output Format

OK: freight

Batch: Invoices

- Acme (1)
- Standard (2)
- Express (3)
- Spartan (4)

Image **Text**

Spartan

INVOICE

Manufacturing

12 West Laguna Dr
Irvine, CA 92612

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

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

INVOICE DATE
11/10/08 ORIGINAL

INVOICE NUMBER
MA20-552100

PO / RELEASE NUMBER
201011309

SOLD TO
Grooper Industries
13900 N Harvey
Edmond, OK 73013

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

BEST BY: MA203338

| ORDER DATE | TERMS | SHIP DATE | SHIP VIA | ACCT NUMBER | PAGE 1 OF 1 |
|------------|------------------|-------------------|------------------------|-------------|------------------|
| 11/10/08 | 1* 10&25thNET 30 | 11/10/08 | DIRECT SHIP & CARRIERS | 194306-01 | FOB ORG, FRT PPA |
| 10/24/08 | OCN: 403171 | COMMENTS: FREIGHT | MA20 ONLY | | |

Scale: 27 % | 2552px x 3276px | 8.51" x 10.92" | 300 DPI | Black & White

Results (3)

| | Confidence | Page No | Index | Length |
|---------|------------|---------|-------|--------|
| FREIGHT | 100 % | 1 | 641 | 7 |
| FREIGHT | 100 % | 1 | 818 | 7 |
| FREIGHT | 100 % | 1 | 1006 | 7 |

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Freight
 - Acme
 - End
 - Express
 - Standard
 - Spartan
 - Freight
 - Value 1
- Lexicons (data model)
 - Acme
 - End
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Format **Contents** **Advanced**

Pattern Editor **Properties**

Value Pattern

1 [\d .] +

Look Ahead Pattern (click to expand)

Look Behind Pattern (click to expand)

Output Format

OK: [\d .] +

Batch: Invoices

- Acme (1)
- Standard (2)
- Express (3)
- Spartan (4)

Image **Text**

Spartan

INVOICE

Manufacturing

12 West Laguna Dr
Irvine, CA 92612

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

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

INVOICE DATE
11/10/08 ORIGINAL

INVOICE NUMBER
MA20-552100

PO / RELEASE NUMBER
201011309

SOLD TO
Grooper Industries
13900 N Harvey
Edmond, OK 73013

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

BEST BY: MA203338

| ORDER DATE | TERMS | SHIP DATE | SHIP VIA | ACCT NUMBER | PAGE 1 OF 1 |
|------------|------------------|-------------------|------------------------|-------------|------------------|
| 11/10/08 | 1* 10&25thNET 30 | 11/10/08 | DIRECT SHIP & CARRIERS | 194306-01 | FOB ORG, FRT PPA |
| 10/24/08 | OCN: 403171 | COMMENTS: FREIGHT | MA20 ONLY | | |

Scale: 27 % | 2552px x 3276px | 8.51" x 10.92" | 300 DPI | Black & White

Results (74)

| | Confidence | Page No | Index | Length |
|-------|------------|---------|-------|--------|
| 0 | 100 % | 1 | 26 | 1 |
| 12 | 100 % | 1 | 32 | 2 |
| 92612 | 100 % | 1 | 62 | 5 |
| 11 | 100 % | 1 | 123 | 2 |
| 10 | 100 % | 1 | 126 | 2 |

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Freight**
 - Acme
 - End
 - Express
 - Standard
 - Spartan
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Format Contents Advanced

Save Cancel Generate...

Pattern Editor Properties

Value Pattern
1 (@Number.{3,12})

Look Ahead Pattern
1 shipping-charge\s

Look Behind Pattern
1

Output Format
{1:Number}
OK: (?<shipping charge\s)((0-9|l|OoGgSsBUuD.){3,12}))

Batch: Invoices

Scale: 27 % | 2545px x 3274px | 8.48" x 10.91" | 300 DPI | Black & White

Image Text

NUMBER OF PKGS: 0 WEIGHT: 3.20
DATE SHIPPED: 1/11/2008
CARRIER: UPS GROUND REGIONAL
TRACKING NO: Z3018W70326242140

These items are sold for domestic consumption in the United States. If exported, purchaser assumes full responsibility for compliance with US export controls.

PAYMENT TERMS NET 30 DAYS. PAY THIS INVOICE NO STATEMENT SENT. PAYABLE IN U.S. DOLLARS.

AMOUNT DUE 51.17

PLEASE DETACH THIS PORTION AND RETURN WITH YOUR PAYMENT.

Results (1) Confidence Page No Index Length
7.71 100 % 1 688 4

> Content Models / Invoices / (local resources) / Extractors / Freight / **Spartan**

- Select the **Spartan** Data Type.
- Change the following property value(s):

| Property | Default Value | New Value |
|----------------------|---------------|---------------|
| Output | | |
| Collation | Individual | Ordered Array |
| → Vertical Layout | Disabled | Enabled |
| → → Maximum Distance | - | 0.25 |
| → Combine Method | - | Sum |

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Freight
 - Acme
 - Enid
 - Express
 - Standard
 - Spartan
 - Freight
 - Value 1
 - Value 2
- Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Type

Scripting | Contents | Advanced

Save | Cancel | Run Extraction

General

- Value Type: String
- Culture Filter:
- Description:

Data Extraction

- Pattern: (empty)
- Referenced Extractors: (empty)
- Input Filter: (empty)
- Exclusion Extractor: (empty)

Output

- Collation: Individual
- Order By: Position
- Direction: Ascending
- Result Filter: (empty)

Deduplication

- Deduplicate Locations: False
- Deduplicate Values: False

Image View **Text View**

Spartan

INVOICE

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

INVOICE DATE
11/10/08 ORIGINAL
INVOICE NUMBER
MA20-552100

PO / RELEASE NUMBER
201011309

SOLD TO
Grooper Industries
13900 N Harvey
Edmond, OK 73013

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

TAKEN BY: DN

| ORDER DATE | TERMS | SHIP DATE | SHIP VIA | ACCT NUMBER | PAGE 1 OF 1 |
|------------|--------------|---------------------------------|--------------------------|-------------|-------------|
| 11/10/08 | 10-25-NET 30 | 11/10/08 | DIRECT SHIP & L CARRIERS | 194308-01 | FAX, PPA |
| 10/24/08 | OCN: 408171 | COMMENTS: VAS FREIGHT MA20 ONLY | | | |

Scale: 26 % | 2552px x 3276px | 8.51" x 10.92" | 300 DPI | Black & White

Results (151)

| | Confidence | Page No | Index | Length | Extractor |
|-------|------------|---------|-------|--------|-----------|
| 0 | 100 % | 1 | 26 | 1 | Value 1 |
| 0 | 100 % | 1 | 26 | 1 | Value 2 |
| 12 | 100 % | 1 | 32 | 2 | Value 2 |
| 12 | 100 % | 1 | 32 | 2 | Value 1 |
| anc12 | 100 % | 1 | c2 | 5 | Value 2 |

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Freight
 - Acme
 - Enid
 - Express
 - Standard
 - Spartan
 - Freight
 - Value 1
 - Value 2
- Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Type

Scripting | Contents | Advanced

Save | Cancel | Run Extraction

General

- Value Type: String
- Culture Filter:
- Description:

Data Extraction

- Pattern: (empty)
- Referenced Extractors: (empty)
- Input Filter: (empty)
- Exclusion Extractor: (empty)

Output

- Collation: Ordered Array
- Order By: Position
- Direction: Ascending
- Result Filter: (empty)

Deduplication

- Duplicate Locations: False
- Duplicate Values: False

Image View **Text View**

Spartan

INVOICE

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

INVOICE DATE
11/10/08 ORIGINAL
INVOICE NUMBER
MA20-552100

PO / RELEASE NUMBER
201011309

SOLD TO
Grooper Industries
13900 N Harvey
Edmond, OK 73013

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

TAKEN BY: DN

| ORDER DATE | TERMS | SHIP DATE | SHIP VIA | ACCT NUMBER | PAGE 1 OF 1 |
|------------|--------------|---------------------------------|--------------------------|-------------|-------------|
| 11/10/08 | 10-25-NET 30 | 11/10/08 | DIRECT SHIP & L CARRIERS | 194308-01 | FAX, PPA |
| 10/24/08 | OCN: 408171 | COMMENTS: VAS FREIGHT MA20 ONLY | | | |

Scale: 26 % | 2552px x 3276px | 8.51" x 10.92" | 300 DPI | Black & White

Results (151)

| | Confidence | Page No | Index | Length | Extractor |
|-------|------------|---------|-------|--------|-----------|
| 0 | 100 % | 1 | 26 | 1 | Value 1 |
| 0 | 100 % | 1 | 26 | 1 | Value 2 |
| 12 | 100 % | 1 | 32 | 2 | Value 2 |
| 12 | 100 % | 1 | 32 | 2 | Value 1 |
| anc12 | 100 % | 1 | c2 | 5 | Value 2 |

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Freight
 - Acme
 - End
 - Express
 - Standard
 - Spartan
 - Freight
 - Value 1
 - Value 2
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - End
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type Scripting | Contents | Advanced

Save Cancel Run Extraction

General

 - Value Type String
 - Culture Filter
 - Description

Data Extraction

 - Pattern (empty)
 - Referenced Extractors (empty)
 - Input Filter (empty)
 - Exclusion Extractor (empty)

Output

 - Collation
 - Horizontal Layout Disabled
 - Vertical Layout Enabled
 - Flow Layout Disabled
 - Combine Method Individual
 - Result Separator
 - Order By Position
 - Direction Ascending
 - Result Filter (empty)

Deduplication

 - Duplicate Locations False
 - Duplicate Values False

Vertical Layout

Batch: Invoices

Results (151)

| | Confidence | Page No | Index | Length | Extractor |
|-------|------------|---------|-------|--------|-----------|
| 0 | 100 % | 1 | 26 | 1 | Value 1 |
| 0 | 100 % | 1 | 26 | 1 | Value 2 |
| 12 | 100 % | 1 | 32 | 2 | Value 2 |
| 12 | 100 % | 1 | 32 | 2 | Value 1 |
| 0x617 | 100 % | 1 | 62 | 5 | Value 2 |

151 results in 2 ms

Spartan INVOICE

Manufacturing
12 West Laguna Dr
Irvine, CA 92612
Phone: (800) 111-2222
Fax: (800) 333-1182

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

INVOICE DATE
11/10/08 ORIGINAL
INVOICE NUMBER
MA20-552100

PO / RELEASE NUMBER
201011309

SOLD TO
Grooper Industries
13900 N Harvey
Edmond, OK 73013

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

PAGE 1 OF 1

TAKEN BY: DN

| ORDER DATE | TERMS | SHIP DATE | SHIP VIA | DIRECT SHIP | ACCT NUMBER | REMARKS |
|------------|---------------|---------------|----------|--------------|-------------|-------------------|
| 11/10/08 | 10-25 HNBT 10 | 11/10/08 | MA20 | R&L CARRIERS | 194306-01 | FREIGHT MA20 ONLY |
| 10/24/08 | OCN: 408171 | COMMENTS: VAS | | | | |

Scale: 26 % | 2552px x 3276px | 8.51" x 10.92" | 300 DPI | Black & White

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Freight
 - Acme
 - End
 - Express
 - Standard
 - Spartan
 - Freight
 - Value 1
 - Value 2
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - End
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type Scripting | Contents | Advanced

Save Cancel Run Extraction

General

 - Value Type String
 - Culture Filter
 - Description

Data Extraction

 - Pattern (empty)
 - Referenced Extractors (empty)
 - Input Filter (empty)
 - Exclusion Extractor (empty)

Output

 - Collation
 - Horizontal Layout Disabled
 - Vertical Layout Enabled
 - Maximum Distance 0.25
 - Alignment Any
 - Alignment Tolerance
 - Flow Layout Disabled
 - Combine Method Sum
 - Order By Position
 - Direction Ascending
 - Result Filter (empty)

Combine Method

Batch: Invoices

Results (1)

| | Confidence | Page No | Index | Length | Extractor |
|-------|------------|---------|-------|--------|-----------|
| 85.94 | 100 % | 1 | 0 | 0 | Spartan |

1 results in 118 ms

INVOICE

NO MERCHANDISE MAY BE RETURNED WITHOUT OUR PERMISSION, AND RETURNS ARE SUBJECT TO RESTOCKING CHARGES.
INVOICES UNPAID 30 DAYS AFTER INVOICE DATE ARE SUBJECT TO SERVICE CHARGE OF 1-1/2% PER MONTH. EQUIVALENT INTEREST RATE FOR PURCHASE IS 18%.
THE REMARKS LISTED IN THIS INVOICE HAS BEEN PRODUCED, WITH RESPECT TO OUR OWN OPERATION, IN ACCORDANCE WITH THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED.

INVOICE

MOLE. TOTAL .00
FREIGHT .00
OTHER CHARGES RESTOCKING .00
SALES TAX .0000
CASH DISCOUNT .00
TOTAL DUE 85.94

Scale: 26 % | 2552px x 3276px | 8.51" x 10.92" | 300 DPI | Black & White

Change the following property value(s):

| Property | Default Value | New Value |
|--------------------------|---------------|-----------|
| General | | |
| Value Type | String | Decimal |
| → FormatSpecifier | c2 | |
| Expressions | | |
| Default Value Expression | 0 | |

File Edit Tools Help

ACE Architect 02 | Refresh | Add | Delete | Rename | Clone

Data Field Contents Advanced | Save Cancel | Test Extraction

General

- Value Type: String (empty)
- Minimum Confidence: 20%
- Sub-Element Name:
- Description:

Appearance

Behavior

Database Lookup

Expressions

- Default Value Expression: 0
- Generated Default Value
- Calculate Expression
- Validate Expression

List Settings

Freight

Data Field Preview

Document View Text View Instance View

ACME | INTERNATIONAL

Check to: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

BB To: Acme Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To: Acme Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Invoice

Page 1 / 01

| | |
|----------------------------|---------------------------|
| Your Reference | Our Reference |
| P.O. number : 201017081 | Date : 11/14/2008 |
| Customer number : 18003405 | Invoice number : 74451405 |
| Customer contact : | Ship-to number : 18103345 |
| Currency : USD | Sales order no : 33241729 |
| Invoice amount : 1,727.13 | Delivery number : 5515616 |

Scale: 20% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources) (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - End
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field **Contents** **Advanced**

Save **Cancel** **Test Extraction**

General

Value Type **Decimal** (empty) 20%

Appearance

Behavior

Database Lookup

Expressions

Default Value Expression

Generated Default Value

Calculate Expression

Validate Expression

List Settings

Value Type

Batch: Invoices

Format Specifier

Input Styles Any c2

Input Cultures

Output Culture

Minimum Value

Maximum Value

Value Range -79228162514264337593543950335 to 792281 (empty)

Minimum Confidence 20%

Sub-Element Name

Description

Appearance

Behavior

Database Lookup

Expressions

Default Value Expression

Generated Default Value

Calculate Expression

Validate Expression

List Settings

Freight

Data Field Preview

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Check to: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference

| | |
|------------------|-------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Customer contact | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |

Our Reference

| | |
|-----------------|--------------|
| Date | : 11/14/2008 |
| Invoice number | : 74451405 |
| Ship-to Number | : 19103943 |
| Sales order no | : 33241728 |
| Delivery number | : 5515616 |

Scale: 20% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources) (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - End
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field **Contents** **Advanced**

Save **Cancel** **Test Extraction**

General

Value Type **Decimal**

Input Styles Any

Format Specifier c2

Input Cultures

Output Culture

Minimum Value

Maximum Value

Value Range -79228162514264337593543950335 to 792281 (empty)

Minimum Confidence 20%

Sub-Element Name

Description

Appearance

Behavior

Database Lookup

Expressions

Default Value Expression

Generated Default Value

Calculate Expression

Validate Expression

List Settings

Format Specifier

Batch: Invoices

Format Specifier

Input Styles Any c2

Input Cultures

Output Culture

Minimum Value

Maximum Value

Value Range -79228162514264337593543950335 to 792281 (empty)

Minimum Confidence 20%

Sub-Element Name

Description

Appearance

Behavior

Database Lookup

Expressions

Default Value Expression

Generated Default Value

Calculate Expression

Validate Expression

List Settings

Freight

Data Field Preview

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Check to: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference

| | |
|------------------|-------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Customer contact | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |

Our Reference

| | |
|-----------------|--------------|
| Date | : 11/14/2008 |
| Invoice number | : 74451405 |
| Ship-to Number | : 19103943 |
| Sales order no | : 33241728 |
| Delivery number | : 5515616 |

Scale: 20% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field | Contents | Advanced | Save | Cancel | Test Extraction

General

Value Type: Decimal
Any
c2

Value Range: -79228162514264337593543950335 to 792281

Value Extractor: (empty)
Minimum Confidence: 20%

Appearance

Behavior

Database Lookup

Expressions

Default Value Expression: 0
Generated Default Value: \$0.00
Calculate Expression:

Default Value Expression

Batch: Invoices

Batch Tree:

- Invoices
 - Acme (1)
- Standard (2)

Freight

Data Field Preview

Document View | Text View | Instance View

ACME INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Check to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference

| | | | | |
|------------------|-------------|-----------------|------------|--------------|
| P.O. number | : 201017081 | Our Reference | Date | : 11/14/2008 |
| Customer number | : 18003405 | Invoice number | : 74451405 | |
| Customer contact | : | Ship-to Number | : 18103843 | |
| Currency | : USD | Bills order no | : 32241728 | |
| Invoice amount | : 1,127.13 | Delivery number | : 8515616 | |

Scale: 20% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

> Content Models / Invoices / (data model) / Freight

Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|-----------|
| General | | |
| Value Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | Freight |

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources) (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
- Acme
- Enid
- Express
- Spartan
- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field **Contents** **Advanced**

Save **Cancel** **Test Extraction**

General

Value Type: Decimal
Any
c2

Value Range: -79228162514264337593543950335 to 792281

Value Extractor

Minimum Confidence: 20%

Appearance

Behavior

Database Lookup

Expressions

Default Value Expression: 0
Generated Default Value: \$0.00
Calculate Expression:

Value Extractor

Batch: Invoices

Value Extractor Tree:

- Invoices
 - Acme (1)
- Standard (2)

Data Field Test Results

Freight: \$0.00

No Issues **Field is OK**

Document View **Text View** **Instance View**

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Check to: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference
P.O. number: 201017081
Customer number: 18003405
Customer contact:
Currency: USD
Invoice amount: 1,727.13

Our Reference
Date: 11/14/2008
Invoice number: 74451405
Ship-to Number: 19103943
Sales order no: 33241728
Delivery number: 55156176

Scale: 20% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources) (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
- Acme
- Enid
- Express
- Spartan
- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field **Contents** **Advanced**

Save **Cancel** **Test Extraction**

General

Value Type: Decimal
Any
c2

Value Range: -79228162514264337593543950335 to 792281

Value Extractor

Type: Referenced Extractor
Reference: Freight

Referenced Extractor Tree:

- (none) (data model) + Freight
- Invoices * (local resources)
 - _Global
 - Extractors
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Lexicons

Data Field Preview

Freight:

No Issues **Field is OK**

Document View **Text View** **Instance View**

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Check to: Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference
P.O. number: 201017081
Customer number: 18003405
Customer contact:
Currency: USD
Invoice amount: 1,727.13

Our Reference
Date: 11/14/2008
Invoice number: 74451405
Ship-to Number: 19103943
Sales order no: 33241728
Delivery number: 55156176

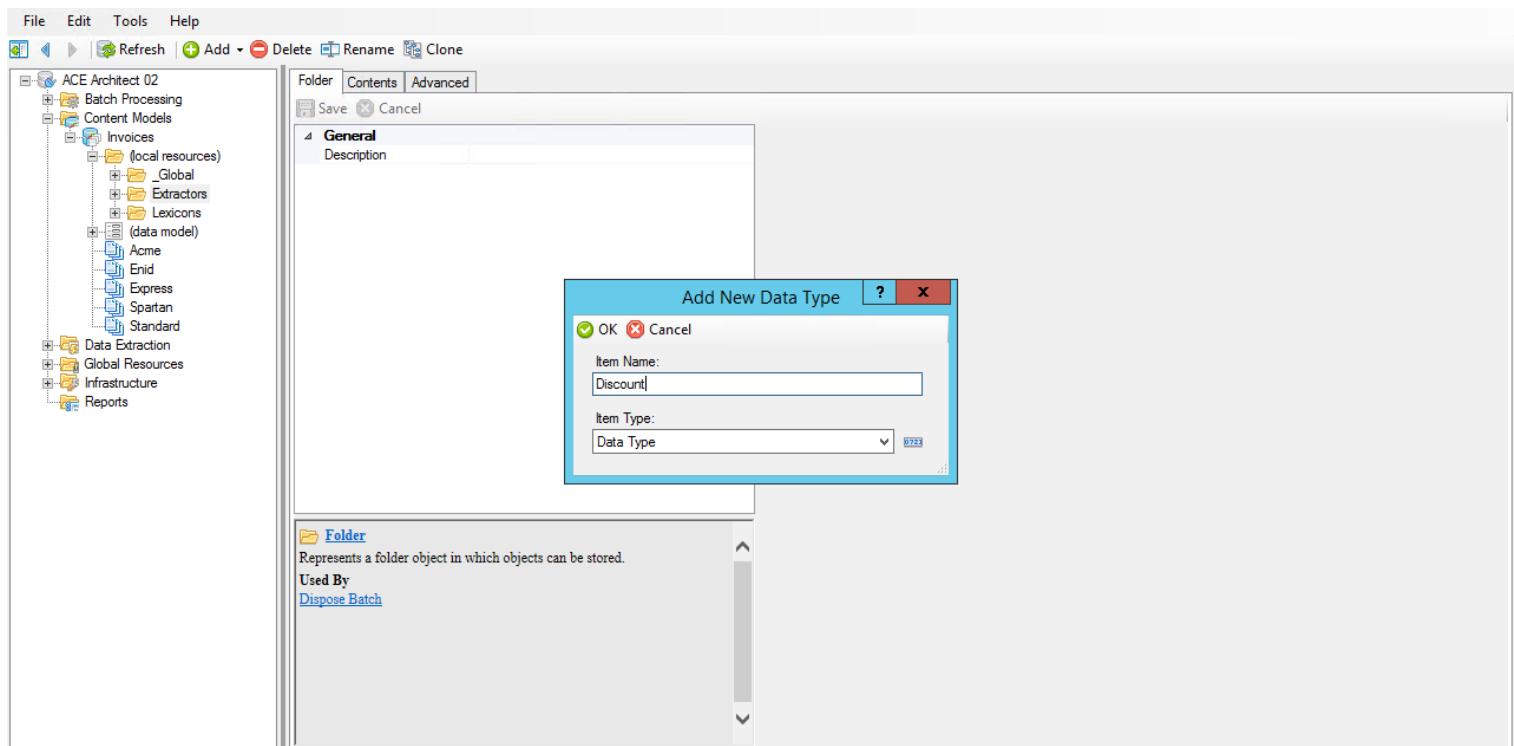
Scale: 20% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Discount

> Content Models / Invoices / (local resources) / Extractors 

1. Right click and select Add → Data Type... .

2. Name it **Discount** .



Content Models / Invoices / (local resources) / Extractors / **Discount**

1. Create two Data Types as children of the **Discount** Data Type:

- **Acme**
- **Enid**

2. Select the **Acme** Data Type and click to edit its Pattern.

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Discount
 - Acme
 - End
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction

Image View Text View

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Bill To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD
Invoice amount : 1,727.13

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Delivery number : 5515616

Scale: 26% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Value Confidence Page No Index Length Extractor

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Discount
 - Acme
 - End
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction

Image View Text View

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Bill To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD
Invoice amount : 1,727.13

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Delivery number : 5515616

Scale: 26% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Value Confidence Page No Index Length Extractor

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Discount
 - Acme
 - End
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction 0 results in 0 ms

General

Value Type String Culture Filter Description

Data Extraction

Pattern (empty) Referenced Extractors (empty)

Input Filter (empty) Exclusion Extractor (empty)

Output

Collation Individual Order By Position Direction Ascending Result Filter (empty)

Deduplication

Deduplicate Locations False Deduplicate Values False

Image View Text View

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice Page 1 / 01

Bill To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To: Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference Our Reference

| | | | |
|--------------------|-----------|-------------------|------------|
| P.O. number : | 201017081 | Date : | 11/14/2008 |
| Customer number : | 18003405 | Invoice number : | 74451405 |
| Customer contact : | | Ship-to Number : | 18103943 |
| Currency : | USD | Sales order no : | 33241729 |
| Invoice amount : | 1,727.13 | Delivery number : | 5515616 |

Scale: 26% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Pattern

Batch: Invoices

Value Confidence Page No Index Length Extractor

Acme (1) Standard (2)

1. Switch to the **Properties** tab.
2. Change the following property value(s):

| Property | Default Value | New Value |
|-----------------------|-----------------|----------------|
| General | | |
| Preprocessing Options | None | |
| → Tab Marking | Disabled | Enabled |

3. Switch to the **Pattern Editor** tab.
4. Edit the pattern(s):

| | |
|---------------------------|---------------|
| Value Pattern | |
| [@Number.,]{3,12} | |
| Look Ahead Pattern | Output Format |

5. Press **OK** to close the **pattern editor** window.

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice Page 1 / 01

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference **Our Reference**

| | | | | | |
|------------------|---|-------------|-----------------|---|------------|
| P.O. number | : | 201017081 | Date | : | 11/14/2008 |
| Customer number | : | 18003405 | Invoice number | : | 74451405 |
| Customer contact | : | | Ship-to Number | : | 18103943 |
| Currency | : | USD | Sales order no | : | 33241729 |
| Invoice amount | : | 1,727.13 | Delivery number | : | 5515616 |
| Payment terms | : | Net 30 days | Freight carrier | : | |

Scale: 34 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Results (0) Confidence Page No Index Length

Tracking number : 1Z2565E90301034108

Invoice details

| Item | Material Description | Quantity | Unit Price | Value |
|--------|-----------------------------------|----------|------------|----------|
| 000020 | GB.C103003-00001 BRACKET | 2 EA | | |
| | Gross Value | | 984.53 | 1,969.06 |
| | Cust. Discount % | | 12.50- % | 246.13 |
| | Net Value for Item | | 861.47 | 1,722.93 |
| 000021 | WS.FREIGHT0231 Freight (Parts) | 1 AU | | |
| | Gross Value | | 0.00 | 4.20 |

Item total 1,727.13

Invoice amount 1,727.13

Scale: 34 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Results (1) Confidence Page No Index Length

1. Select Acme (14).
2. Change the following property value(s):

| Property | Default Value | New Value |
|------------------|---------------|-----------|
| Output | | |
| Collation | Individual | Combine |
| → Combine Method | - | Sum |

File Edit Tools Help

Refresh Add Delete Rename Clone

Data Type Scripting Contents Advanced

Save Cancel Run Extraction

2 results in 1 ms

General

- Value Type String
- Culture Filter
- Description

Data Extraction

- Pattern RegEx: [@Number.]{3,12}
- Referenced Extractors (empty)
- Input Filter (empty)
- Exclusion Extractor (empty)

Output

- Collation Individual
- Order By Position
- Direction Ascending
- Result Filter (empty)

Deduplication

- Deduplicate Locations False
- Deduplicate Values False

Pattern

Batch: Invoices

- Spartan (13)
- Acme (14) 
- Standard (15)

Image View **Text View**

Tracking number : 122565E90301033538

Invoice details

| Item | Material Description | Quantity | Unit Price | Value |
|--------|----------------------------|----------|------------|--------|
| 000010 | GB.C136177-00001 VALVE-AIR | 24 EA | 27.18 | 662.32 |
| | Gross Value | | 12.50 % | 81.54 |
| | Cust. Discount % | | | |
| | Net Value for Item | | 23.78 | 570.78 |
| 000020 | GB.C136177-00002 VALVE-AIR | 12 EA | 28.16 | 337.92 |
| | Gross Value | | 12.50 % | 42.24 |
| | Cust. Discount % | | | |
| | Net Value for Item | | 24.64 | 295.68 |
| 000021 | WS.FREIGHT0231 | 1 AU | | |

Scale: 26 % | 2539px x 3280px | 8.46" x 10.93" | 300 DPI | Black & White

Results (2)

| | Confidence | Page No. | Index | Length | Extractor |
|-------|------------|----------|-------|--------|-----------|
| 81.54 | 100 % | 1 | 852 | 5 | Acme |
| 42.24 | 100 % | 1 | 987 | 5 | Acme |

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Discount
 - Enid
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction

2 results in 1 ms

General

- Value Type String
- Culture Filter
- Description

Data Extraction

- Pattern RegEx: {@Number.}{3,12}
- Referenced Extractors (empty)
- Input Filter (empty)
- Exclusion Extractor (empty)

Output

- Collation Combine
 - Order By Position
 - Direction Ascending
 - Result Filter (empty)
- Deduplication
 - Deduplicate Locations False
 - Deduplicate Values False

Collation

Batch: Invoices

- Spartan (13)
- Acme (14)
- Standard (15)

Image View Text View

Tracking number : 122565E90301033538

Invoice details

| Item | Material Description | Quantity | Unit Price | Value |
|--------|----------------------------|----------|--------------------|--------|
| 000010 | GB.C136177-00001 VALVE-AIR | 24 EA | 27.18 | 652.32 |
| | Gross Value | | 12.50 % | 81.54 |
| | Cust. Discount % | | Net Value for Item | 570.78 |
| 000020 | GB.C136177-00002 VALVE-AIR | 12 EA | 28.16 | 337.92 |
| | Gross Value | | 12.50 % | 42.24 |
| | Cust. Discount % | | Net Value for Item | 295.68 |
| 000021 | WS.FREIGHT0231 | 1 AU | 24.64 | |

Scale: 26 % | 2539px x 3280px | 8.46" x 10.93" | 300 DPI | Black & White

Results (2)

| | Confidence | Page No | Index | Length | Extractor |
|-------|------------|---------|-------|--------|-----------|
| 81.54 | 100 % | 1 | 852 | 5 | Acme |
| 42.24 | 100 % | 1 | 987 | 5 | Acme |

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Discount
 - Enid
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction

2 results in 1 ms

General

- Value Type String
- Culture Filter
- Description

Data Extraction

- Pattern RegEx: {@Number.}{3,12}
- Referenced Extractors (empty)
- Input Filter (empty)
- Exclusion Extractor (empty)

Output

- Collation Combine
 - Group By None
 - Enforce Page Boundary False
 - Combine Method Sum
 - Order By Position
 - Direction Ascending
 - Result Filter (empty)
- Deduplication
 - Deduplicate Locations False
 - Deduplicate Values False

Combine Method

Batch: Invoices

- Spartan (13)
- Acme (14)
- Standard (15)

Image View Text View

Tracking number : 122565E90301033538

Invoice details

| Item | Material Description | Quantity | Unit Price | Value |
|--------|----------------------------|----------|--------------------|--------|
| 000010 | GB.C136177-00001 VALVE-AIR | 24 EA | 27.18 | 652.32 |
| | Gross Value | | 12.50 % | 81.54 |
| | Cust. Discount % | | Net Value for Item | 570.78 |
| 000020 | GB.C136177-00002 VALVE-AIR | 12 EA | 28.16 | 337.92 |
| | Gross Value | | 12.50 % | 42.24 |
| | Cust. Discount % | | Net Value for Item | 295.68 |
| 000021 | WS.FREIGHT0231 | 1 AU | 24.64 | |

Scale: 26 % | 2539px x 3280px | 8.46" x 10.93" | 300 DPI | Black & White

Results (2)

| | Confidence | Page No | Index | Length | Extractor |
|-------|------------|---------|-------|--------|-----------|
| 81.54 | 100 % | 1 | 852 | 5 | Acme |
| 42.24 | 100 % | 1 | 987 | 5 | Acme |

> Content Models / Invoices / (local resources) / Extractors / Discount / Enid

Create two Data Formats as children of the Enid Data Type:

- [Key] Enid - Discount
- [Value] Enid - Discount

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Discount
 - Acme
 - Enid** [Key] Enid - Discount
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction 0 results in 0 ms

General

 - Value Type String
 - Culture Filter
 - Description

Data Extraction

 - Pattern (empty)
 - Referenced Extractors (empty)
 - Input Filter (empty)
 - Exclusion Extractor (empty)

Output

 - Collation Individual
 - Order By Position
 - Direction Ascending
 - Result Filter (empty)

Deduplication

 - Deduplicate Locations False
 - Deduplicate Values False

Image View Text View

Enid Parts

INVOICE

| | | |
|--------------|--------------|------|
| INVOICE DATE | INVOICE # | PAGE |
| 12-05-08 | CSI/10076138 | 1 |

PH: (405) 555-1212
FAX: (405) 444-2121

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73703

SOLD Grooper Industries
TO: 13900 N Harvey
Edmond, OK 73013

SHIP Grooper Industries
TO: 13900 N Harvey
Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |

ITEM NUMBER ITEM DESCRIPTION

| QUANTITY ORDERED | QUANTITY SHIPPED | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE |
|------------------|------------------|----------|------------|----------|----------------|
| | | | | | |

Scale: 24 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Value Confidence Page No Index Length Extractor

> Content Models / Invoices / (local resources) / Extractors / Discount / Enid / **[Key] Enid**
- Discount 

1. Select **Enid (5)**.
2. Edit the pattern(s):

Value Pattern

order discount amount

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

Batch Processing

Content Models

Invoices (local resources)

- Global
- Extractors
 - Discount
 - Acme
 - [Key] End - Discount
 - [Value] End - Discount
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
- Lexicons (data model)
- Acme
- End
- Express
- Spartan
- Standard

Data Extraction

Global Resources

Infrastructure

Reports

Data Format Contents Advanced

Save Cancel Generate...

Pattern Editor Properties

Value Pattern

1 |

Look Ahead Pattern (click to expand)

Look Behind Pattern (click to expand)

Output Format

-Empty Expression-

Batch: Invoices

- Standard (2)
- Express (3)
- Spartan (4)
- End (5)

Image Text

ITEM DESCRIPTION

| QUANTITY SHIPPED | STK UNIT | PRICE UNIT | DISCOUNT |
|------------------------------|-----------------------|------------------------------|----------|
| Packing Slip No. : 100093121 | | | |
| 00.0000 | F ea | Wheel - Carrier 3.2600 Gross | |
| | Order Discount Amount | | -358.600 |

Scale: 50 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Results (0) Confidence Page No Index Length

ITEM DESCRIPTION

| QUANTITY SHIPPED | STK UNIT | PRICE UNIT | DISCOUNT |
|------------------------------|-----------------------|------------------------------|----------|
| Packing Slip No. : 100093121 | | | |
| 00.0000 | F ea | Wheel - Carrier 3.2600 Gross | |
| | Order Discount Amount | | -358.600 |

Scale: 50 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Results (0) Confidence Page No Index Length

- Discount A

1. Switch to the Properties tab.
2. Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|-----------------|-----------------|
| General | | |
| Mode | RegEx | FuzzyRegEx |
| Fuzzy Matching Options | | |
| Minimum Similarity | 90% | 85% |
| Local Entries | (Click to edit) | (Click to edit) |

3. In the List Editor window, enter:

)D=0.1

4. Press OK to close the List Editor window.

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

Batch Processing

Content Models

Invoices

(local resources)

Global

Extractors

Discount

Acme

[Key] End - Discount

[Value] End - Discount

Freight

Invoice Amount

Invoice Date

Invoice Number

PO Number

Remit To

Ship To

Lexicons (data model)

Acme

End

Express

Spartan

Standard

Data Extraction

Global Resources

Infrastructure

Reports

Data Format | Contents | Advanced

Save | Cancel | Generate...

Pattern Editor Properties

General

Value Type String

Mode FuzzyRegEx

Case Sensitive False

Preprocessing Option None

Regional Settings (empty)

Expression Lexicon

Referenced Lexicons (empty)

Fuzzy Matching Options

Minimum Similarity 90%

Match Mode LeastCost

Fuzzy Match Weight (empty)

Regular Expression

Lookup and Translation

Mode

Batch: Invoices

Standard (2)

Express (3)

Spartan (4)

End (5)

Image Text Fuzzy Extraction Visualizer

11-08 CUS001410 099325 010013704 FXG

ITEM DESCRIPTION

| QUANTITY SHIPPED | STK UNIT | PRICE UNIT |
|------------------------------|-----------------------|-----------------|
| Packing Slip No. : 100093121 | | Wheel - Carrier |
| 500.0000 | F ea | 3.2600 Gross |
| | Order Discount Amount | -358.600 |

Scale: 50 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Results (1)

| Order Discount Amount |
|-----------------------|
| 90 % 1 676 22 |

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

Batch Processing

Content Models

Invoices

(local resources)

Global

Extractors

Discount

Acme

[Key] End - Discount

[Value] End - Discount

Freight

Invoice Amount

Invoice Date

Invoice Number

PO Number

Remit To

Ship To

Lexicons (data model)

Acme

End

Express

Spartan

Standard

Data Extraction

Global Resources

Infrastructure

Reports

Data Format | Contents | Advanced

Save | Cancel | Generate...

Pattern Editor Properties

General

Value Type String

Mode FuzzyRegEx

Case Sensitive False

Preprocessing Option None

Regional Settings (empty)

Expression Lexicon

Referenced Lexicons (empty)

Fuzzy Matching Options

Minimum Similarity 85%

Match Mode LeastCost

Fuzzy Match Weight (empty)

Regular Expression

Lookup and Translation

Minimum Similarity

Batch: Invoices

Standard (2)

Express (3)

Spartan (4)

End (5)

Image Text Fuzzy Extraction Visualizer

11-08 CUS001410 099325 010013704 FXG

ITEM DESCRIPTION

| QUANTITY SHIPPED | STK UNIT | PRICE UNIT |
|------------------------------|-----------------------|-----------------|
| Packing Slip No. : 100093121 | | Wheel - Carrier |
| 500.0000 | F ea | 3.2600 Gross |
| | Order Discount Amount | -358.600 |

Scale: 50 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Results (1)

| Order Discount Amount |
|-----------------------|
| 90 % 1 676 22 |

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

Batch Processing

Content Models

Invoices

(local resources)

Global

Extractors

Discount

Acme

End

[Key] End - Discount

[Value] End - Discount

Freight

Invoice Amount

Invoice Date

Invoice Number

PO Number

Remit To

Ship To

Lexicons (data model)

Acme

Enid

Express

Spartan

Standard

Data Extraction

Global Resources

Infrastructure

Reports

Data Format | Contents | Advanced

Save | Cancel | Generate...

Pattern Editor Properties

Image Text Fuzzy Extraction Visualizer

1 results in 1 ms | Reference Material

General

Value Type String

Mode FuzzyRegEx

Case Sensitive False

Preprocessing Option None

Regional Settings (empty)

Expression Lexicon

Referenced Lexicons (empty)

Fuzzy Matching Options

Minimum Similarity 85%

Match Mode LeastCost

Fuzzy Match Weight (empty)

Local Entries 0 entries

Included Lexicon (0 Lexicon objects)

Local Entries

Batch: Invoices

Standard (2)

Express (3)

Spartan (4)

Enid (5)

QUANTITY SHIPPED

Packing Slip No. : 100093121

500.0000 F ea

PRICE UNIT

Wheel - Carrier 3.2600 Gross

Order Discount Amount -358.600

Scale: 50% 2548px x 3287px 8.49" x 10.96" 300 DPI Black & White

Results (1) Order Discount Amount Confidence Page No Index Length

90% 1 676 22

This screenshot shows the ACE Architect interface with a Fuzzy Extraction Visualizer window open. The visualizer displays a packing slip with the following details:

| ITEM DESCRIPTION | |
|--------------------------|-----------------|
| STK UNIT | PRICE UNIT |
| No. : 100093121 | Wheel - Carrier |
| F ea | 3.2600 Gross |
| Discount Amount -358.600 | |

The 'Fuzzy Matching Options' section in the pattern editor shows a minimum similarity of 85% and a match mode of LeastCost. The 'Local Entries' section lists five batches: Standard (2), Express (3), Spartan (4), and Enid (5), with Enid (5) currently selected.

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

Batch Processing

Content Models

Invoices

(local resources)

Global

Extractors

Discount

Acme

End

[Key] End - Discount

[Value] End - Discount

Freight

Invoice Amount

Invoice Date

Invoice Number

PO Number

Remit To

Ship To

Lexicons (data model)

Acme

Enid

Express

Spartan

Standard

Data Extraction

Global Resources

Infrastructure

Reports

Data Format | Contents | Advanced

Save | Cancel | Generate...

List Editor

OK | Cancel

(D=0..1)

General

Value Type String

Mode FuzzyRegEx

Case Sensitive False

Preprocessing Option None

Regional Settings (empty)

Expression Lexicon

Referenced Lexicons (empty)

Fuzzy Matching Options

Minimum Similarity 85%

Match Mode LeastCost

Fuzzy Match Weight (empty)

Local Entries

Batch: Invoices

Standard (2)

Express (3)

Spartan (4)

Enid (5)

ITEM DESCRIPTION

No. : 100093121

F ea

PRICE UNIT

Wheel - Carrier 3.2600 Gross

Discount Amount -358.600

Black & White

Confidence Page No Index Length

90% 1 676 22

This screenshot shows the ACE Architect interface with a List Editor dialog box open over a Fuzzy Extraction Visualizer window. The dialog box contains the expression `(D=0..1)`. The visualizer displays the same packing slip information as the previous screenshot, with the 'Fuzzy Matching Options' section showing a minimum similarity of 85% and a match mode of LeastCost. The 'Local Entries' section lists five batches: Standard (2), Express (3), Spartan (4), and Enid (5), with Enid (5) currently selected.

> Content Models / Invoices / (local resources) / Extractors / Discount / Enid / [Value]

Enid - Discount A

Edit the pattern(s):

```
```tab="Value Pattern"  
\d{1,6}\.\d{2,3}
```
```

The screenshot displays the ACE Architect 02 application interface. On the left, a tree view shows the project structure under 'ACE Architect 02'.

- Batch Processing**
- Content Models**
 - Invoices**
 - (local resources)
 - Global
 - Extractors
 - Discount**
 - Acme
 - [Key] Enid - Discount
 - [Value] Enid - Discount
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

At the top, there are buttons for File, Edit, Tools, Help, Refresh, Add, Delete, Rename, and Clone. The 'Data Format' tab is selected in the top navigation bar.

The main workspace contains several panels:

 - Pattern Editor**: Shows a 'Value Pattern' input field with the value '1'. Below it are sections for 'Look Ahead Pattern (click to expand)', 'Look Behind Pattern (click to expand)', and 'Output Format'.
 - Properties**: A panel showing properties for the selected item.
 - Image**: A preview of an invoice document from 'Enid Parts'. The invoice header includes 'INVOICE' and fields for 'INVOICE DATE', 'INVOICE #', and 'PAGE'. The body of the invoice lists shipping information for 'Grooper Industries' and 'Grooper Industries'.
 - Text**: A panel showing the raw text content of the invoice document.
 - Batch:** A list of print jobs:
 - Standard (2)
 - Express (3)
 - Spartan (4)
 - Enid (5)
 - Results (0)**: A table with columns for Confidence, Page No., Index, and Length.

At the bottom, there are status bars for 'Scale: 25 %' and '2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White'.

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Discount**
 - Enid**
 - [Key] Enid - Discount
 - [Value] Enid - Discount
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Format Contents Advanced

Save Cancel Generate...

Pattern Editor Properties

Value Pattern `1 \d{1,6}\.\d{2,3}`

Look Ahead Pattern (click to expand)

Look Behind Pattern (click to expand)

Output Format

OK: `\d{1,6}\.\d{2,3}`

Batch: Invoices

 - Standard (2)
 - Express (3)
 - Spartan (4)
 - Enid (5)**

Image Text

g Slip No. : 100093121
F ea
Wheel - Carrier
3.2600 Gross

Order Discount Amount -358.600

Scale: 62 % 2548px x 3287px 8.49" x 10.96" 300 DPI Black & White

Results (10)

| | Confidence | Page No | Index | Length |
|----------|------------|---------|-------|--------|
| 7706.105 | 100 % | 1 | 602 | 8 |
| 500.000 | 100 % | 1 | 632 | 7 |
| 500.000 | 100 % | 1 | 641 | 7 |
| 3.260 | 100 % | 1 | 653 | 5 |

> Content Models / Invoices / (local resources) / Extractors / Discount / **Enid** [0723](#)

Change the following property value(s):

| Property | Default Value | New Value |
|---------------------|---------------|-----------------------|
| Output | | |
| Collation | Individual | Key-Value Pair |
| → Horizontal Layout | Disabled | Enabled |

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Discount
 - Acme
 - [Key] End - Discount
 - [Value] End - Discount
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type

Save Cancel Run Extraction

General

 - Value Type String
 - Culture Filter
 - Description

Data Extraction

 - Pattern (empty)
 - Referenced Extractors (empty)
 - Input Filter (empty)
 - Exclusion Extractor (empty)

Output

 - Collation Individual
 - Order By Position
 - Direction Ascending
 - Result Filter (empty)

Deduplication

 - Deduplicate Locations False
 - Deduplicate Values False

Image View Text View

11 results in 1 ms

13900 N Harvey Edmond, OK 73013 TO: 13900 N Harvey Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|------------------------------|------------------|--------------------------------------|--------------|-----------------------|----------------|-----------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |
| ITEM NUMBER ITEM DESCRIPTION | | | | | | | |
| QUANTITY ORDERED | QUANTITY SHIPPED | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE | | |
| 7706.1052. 500.0000 | | Packing Slip No. : 100093121 F ea | 3.260 Gross | -358.600 | 1630.000 | | |
| Order Discount Amount | | | | | | | |

Scale: 24 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Results (11) Confidence Page No Index Length Extractor

| 7706.105 | 100 % | 1 | 602 | 8 | [Value] End - Discou |
|----------|-------|---|-----|---|----------------------|
| 500.000 | 100 % | 1 | 632 | 7 | [Value] End - Discou |
| 500.000 | 100 % | 1 | 641 | 7 | [Value] End - Discou |
| 3.260 | 100 % | 1 | 653 | 5 | [Value] End - Discou |
| 1630.000 | 100 % | 1 | ccc | 0 | [Value] End - Discou |

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Discount
 - Acme
 - [Key] End - Discount
 - [Value] End - Discount
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type

Save Cancel Run Extraction

General

 - Value Type String
 - Culture Filter
 - Description

Data Extraction

 - Pattern (empty)
 - Referenced Extractors (empty)
 - Input Filter (empty)
 - Exclusion Extractor (empty)

Output

 - Collation Key-Value Pair
 - Order By Position
 - Direction Ascending
 - Result Filter (empty)

Deduplication

 - Deduplicate Locations False
 - Deduplicate Values False

Image View Text View

11 results in 1 ms

13900 N Harvey Edmond, OK 73013 TO: 13900 N Harvey Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|------------------------------|------------------|--------------------------------------|--------------|-----------------------|----------------|-----------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |
| ITEM NUMBER ITEM DESCRIPTION | | | | | | | |
| QUANTITY ORDERED | QUANTITY SHIPPED | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE | | |
| 7706.1052. 500.0000 | | Packing Slip No. : 100093121 F ea | 3.260 Gross | -358.600 | 1630.000 | | |
| Order Discount Amount | | | | | | | |

Scale: 24 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Results (11) Confidence Page No Index Length Extractor

| 7706.105 | 100 % | 1 | 602 | 8 | [Value] End - Discou |
|----------|-------|---|-----|---|----------------------|
| 500.000 | 100 % | 1 | 632 | 7 | [Value] End - Discou |
| 500.000 | 100 % | 1 | 641 | 7 | [Value] End - Discou |
| 3.260 | 100 % | 1 | 653 | 5 | [Value] End - Discou |
| 1630.000 | 100 % | 1 | ccc | 0 | [Value] End - Discou |

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Discount
 - Enid
 - [Key] Enid - Discount
 - [Value] Enid - Discount
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type Scripting Contents Advanced

Save Cancel Run Extraction

11 results in 1 ms

Data Extraction

 - Value Type: String
 - Culture Filter:
 - Description:
 - Data Extraction**
 - Pattern: (empty)
 - Referenced Extractors: (empty)
 - Input Filter**
 - Exclusion Extractor**: (empty)
 - Output**
 - Collation: Key-Value Pair
 - Horizontal Direction: Forward
 - Horizontal Layout**: Enabled
 - Vertical Layout: Disabled
 - Flow Layout: Disabled
 - Order By: Position
 - Direction: Ascending
 - Result Filter: (empty)
 - Deduplication**
 - Deduplicate Locations: False
 - Deduplicate Values: False

Horizontal Layout

Batch: Invoices

Results (11)

| Index | Extractor | Value | Confidence | Page No. |
|-------|---------------------------|----------|------------|----------|
| 602 | 8 [Value] Enid - Discount | 7706.105 | 100 % | 1 |
| 632 | 7 [Value] Enid - Discount | 500.000 | 100 % | 1 |
| 641 | 7 [Value] Enid - Discount | 500.000 | 100 % | 1 |
| 653 | 5 [Value] Enid - Discount | 3.260 | 100 % | 1 |
| ccc | 6 [Value] Enid - Discount | 1630.000 | 100 % | 1 |

Image View Text View

13900 N Harvey Edmond, OK 73013

TO: 13900 N Harvey Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHP DATE | TERMS |
|------------------|------------------|-----------------|--------------|-----------------------|----------|----------------|----------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |
| ITEM NUMBER | ITEM DESCRIPTION | | | | DISCOUNT | EXTENDED PRICE | |
| QUANTITY ORDERED | QUANTITY SHIPPED | STK UNIT | PRICE UNIT | | | | |
| 7706.1052 | 500.0000 | F | 100093121 | Wheel - Carrier | 3.2600 | Gross | 1630.000 |
| | | | | Order Discount Amount | -358.000 | | |

Scale: 24 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Content Models / Invoices / (data model) / **Discount**

Change the following property value(s):

| Property | Default Value | New Value |
|--------------------------|---------------|-----------|
| General | | |
| Value Type | String | Decimal |
| → Format Specifier | - | c2 |
| Expressions | | |
| Default Value Expression | - | 0 |

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - End
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field [Data Field] [Contents] [Advanced]

Save **Cancel** **Test Extraction**

General

- Value Type: String (empty)
- Value Extractor: Minimum Confidence: 20%
- Description: Sub-Element Name: Description: Appearance: Behavior: Database Lookup: Expressions: Default Value Expression: Generated Default Value: Calculate Expression: Validate Expression: List Settings:

Data Field Preview

Discount

Document View **Text View** **Instance View**

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Our Reference

| | |
|------------------|---------------------|
| P.O. number | : 201017081 |
| Date | : 11/14/2008 |
| Invoice number | : 74401405 |
| Customer contact | : 18103943 |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Delivery number | : 33241729 |
| Payment terms | : Net 30 days |
| Freight center | : |
| Tracking number | : 12356890301034108 |

Scale: 19% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - End
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field [Data Field] [Contents] [Advanced]

Save **Cancel** **Test Extraction**

General

- Value Type: Decimal Any
- Input Styles: Format Specifier: c2
- Input Cultures: Output Culture: Minimum Value: Maximum Value: Value Range: -79228162514264337593543950335 to 792
- Value Extractor: Minimum Confidence: 20%
- Description: Sub-Element Name: Description: Appearance: Behavior: Database Lookup: Expressions: Default Value Expression: Generated Default Value: Calculate Expression: Validate Expression: List Settings:

Data Field Preview

Discount

Document View **Text View** **Instance View**

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference

| | |
|------------------|---------------------|
| P.O. number | : 201017081 |
| Date | : 11/14/2008 |
| Invoice number | : 74401405 |
| Customer contact | : 18103943 |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Delivery number | : 33241729 |
| Payment terms | : Net 30 days |
| Freight center | : |
| Tracking number | : 12356890301034108 |

Scale: 19% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field **Contents** **Advanced**

Save **Cancel** **Test Extraction**

General

Value Type: Decimal
Input Styles: Any
Format Specifier: c2
Input Cultures:
Output Culture:
Minimum Value:
Maximum Value:
Value Range: -79228162514264337593543950335 to 792

Value Extractor: (empty)
Minimum Confidence: 20%

Sub-Element Name:
Description:
Appearance:
Behavior:
Database Lookup:
Expressions

Default Value Expression: 0
Generated Default Value: \$0.00
Calculate Expression

Default Value Expression

Batch: Invoices

Invoices

- + Acme (1)
- + Standard (2)

Data Field Preview

Document View **Text View** **Instance View**

ACME | INTERNATIONAL

Checks to:
 Acme International, Inc
 123 South Main
 Durham, NH 03824
 Phone (603) 333-4444

Invoice

Ship to:
 Grooper Industries
 13900 N Harvey
 Edmond, OK 73013
 405-507-7000

Your Reference

| | |
|------------------|----------------------|
| P.O. number | : 201017081 |
| Date | : 11/14/2008 |
| Invoice number | : 74401405 |
| Customer contact | : 18103943 |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Delivery number | : 33241729 |
| Payment terms | : Net 30 days |
| Freight center | : |
| Tracking number | : 123568690301034108 |

Scale: 19% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field **Contents** **Advanced**

Save **Cancel** **Test Extraction**

General

Value Type: Decimal
Input Styles: Any
Format Specifier: c2
Input Cultures:
Output Culture:
Minimum Value:
Maximum Value:
Value Range: -79228162514264337593543950335 to 792

Value Extractor:
Type: Referenced Extractor
Reference: Discount

Minimum Confidence:
Sub-Element Name:
Description:
Appearance:
Behavior:
Database Lookup:
Expressions

Default Value Expression

Referenced Extractor

Batch: Invoices

Invoices

- + (none) (data model) * Discount
- + Invoices * (local resources)
 - + Global
 - + Extractors
 - + Discount
 - + Freight
 - + Invoice Amount
 - + Invoice Date
 - + Invoice Number
 - + PO Number
 - + Remit To
 - + Ship To
 - + Lexicons
 - + ACE Architect 02 • Content Models
 - + Data Extraction • Data Types
 - + Data Extraction • Field Classes
- + Standard (2)

Data Field Preview

Document View **Text View** **Instance View**

ACME | INTERNATIONAL

Checks to:
 Acme International, Inc
 123 South Main
 Durham, NH 03824
 Phone (603) 333-4444

Invoice

Ship to:
 Grooper Industries
 13900 N Harvey
 Edmond, OK 73013
 405-507-7000

Your Reference

| | |
|------------------|----------------------|
| P.O. number | : 201017081 |
| Date | : 11/14/2008 |
| Invoice number | : 74401405 |
| Customer contact | : 18103943 |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Delivery number | : 33241729 |
| Payment terms | : Net 30 days |
| Freight center | : |
| Tracking number | : 123568690301034108 |

Scale: 19% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White



Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|-----------|
| General | | |
| Value Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | Discount |

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field | Contents | Advanced | Save | Cancel | Test Extraction

General

Value Type: Decimal
Input Styles: Any
Format Specifier: c2
Input Cultures:
Output Culture:
Minimum Value:
Maximum Value:
Value Range: -79228162514264337593543950335 to 792

Value Extractor: (empty)
Minimum Confidence: 20%
Sub-Element Name:
Description:

Appearance
Behavior
Database Lookup
Expressions
Default Value Expression: 0
Generated Default Value: \$0.00
Calculate Expression:

Value Extractor

Batch: Invoices

Invoices

- + Acme (1)
- + Standard (2)

Discount: \$0.00

Data Field Test Results: No Issues | Field is OK

Document View | Text View | Instance View

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Invoice

Bill To:
Gropper Industries
13900 N May
Edmond, OK 73013
405-507-7000

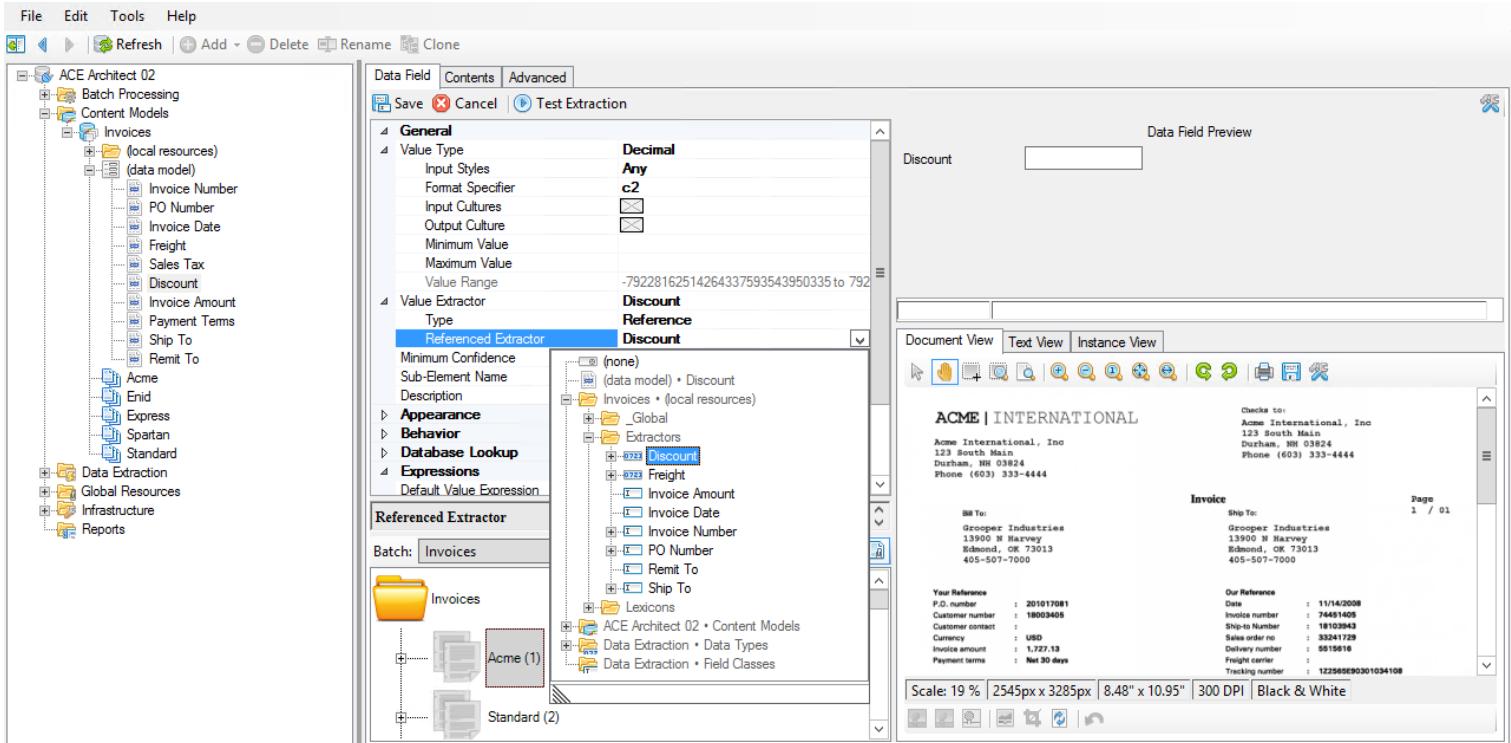
Ship To:
Gropper Industries
13900 N May
Edmond, OK 73013
405-507-7000

Your Reference

| | | | |
|------------------|---------------|-----------------|-----------------------|
| P.O. number | : 201017081 | Date | : 11/14/2008 |
| Customer number | : 18003405 | Invoice number | : 74461405 |
| Customer contact | : | Ship-to Number | : 18102943 |
| Currency | : USD | Sales tax rate | : 0.0000% |
| Invoice amount | : 1,727.13 | Delivery number | : 8815616 |
| Payment terms | : Net 30 days | Freight carrier | : |
| | | Tracking number | : 1234567890101034108 |

Our Reference

Scale: 19 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White



Sales Tax

> Content Models / Invoices / (local resources) / Extractors 

1. Right click and select Add → Data Type... .
2. Name it **Sales Tax** .
3. Create two Data Formats as children of the **Sales Tax** Data Type:
 - **Express**
 - **Standard**

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - 0723 Discount
 - 0723 Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - 0723 Sales Tax
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type | Scripting | Contents | Advanced | Save | Cancel | Run Extraction | 0 results in 0 ms

General

 - Value Type: String
 - Culture Filter:
 - Description:

Data Extraction

 - Pattern: (empty)
 - Referenced Extractors: (empty)
 - Input Filter: (empty)
 - Exclusion Extractor: (empty)

Output

 - Collation: Individual
 - Order By: Position
 - Direction: Ascending
 - Result Filter: (empty)

Deduplication

 - Deduplicate Locations: False
 - Deduplicate Values: False

Image View | **Text View**

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference

| | | |
|------------------|---|-------------|
| P.O. number | : | 201017081 |
| Customer number | : | 18003405 |
| Customer contact | : | |
| Currency | : | USD |
| Invoice amount | : | 1,727.13 |
| Payment terms | : | Net 30 days |

Our Reference

| | | |
|-----------------|---|----------------------|
| Date | : | 11/14/2008 |
| Invoice number | : | 74451405 |
| Ship-to Number | : | 18103943 |
| Sales order no | : | 33241729 |
| Delivery number | : | 5515616 |
| Freight carrier | : | |
| Tracking number | : | 12345678901234567890 |

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Value | Confidence | Page No | Index | Length | Extractor

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - 0723 Discount
 - 0723 Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - 0723 Sales Tax
 - Express
 - Standard
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Type | Scripting | Contents | Advanced | Save | Cancel | Run Extraction | 0 results in 0 ms

General

 - Value Type: String
 - Culture Filter:
 - Description:

Data Extraction

 - Pattern: (empty)
 - Referenced Extractors: (empty)
 - Input Filter: (empty)
 - Exclusion Extractor: (empty)

Output

 - Collation: Individual
 - Order By: Position
 - Direction: Ascending
 - Result Filter: (empty)

Deduplication

 - Deduplicate Locations: False
 - Deduplicate Values: False

Image View | **Text View**

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Your Reference

| | | |
|------------------|---|-------------|
| P.O. number | : | 201017081 |
| Customer number | : | 18003405 |
| Customer contact | : | |
| Currency | : | USD |
| Invoice amount | : | 1,727.13 |
| Payment terms | : | Net 30 days |

Our Reference

| | | |
|-----------------|---|----------------------|
| Date | : | 11/14/2008 |
| Invoice number | : | 74451405 |
| Ship-to Number | : | 18103943 |
| Sales order no | : | 33241729 |
| Delivery number | : | 5515616 |
| Freight carrier | : | |
| Tracking number | : | 12345678901234567890 |

Scale: 24 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Value | Confidence | Page No | Index | Length | Extractor

Edit the pattern(s) for each of the Data Formats:

- Express

Value Pattern

```
([@Number.] {4,12})
```

Look Ahead Pattern Output Format

- Standard

Value Pattern

```
([@Number.] {3,12})
```

Look Ahead Pattern Output Format

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
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 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Sales Tax
 - Express
 - Standard
 - Ship To
 - Lexicons (data model)
 - Acme
 - End
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Data Format | Contents | Advanced

Save | Cancel | Generate...

1 results in 7 ms | Reference Material

Pattern Editor Properties

Value Pattern
1. ([@Number.] {4,12})

Look Ahead Pattern
1. sales-tax:(\r\n|\s)

Look Behind Pattern (click to expand)

Output Format
{@Number}
OK: (?<=sales-tax:(\r\n|\s))([0-9]{0,1}[0GgSsBbUuD.}{4,12}

Batch: Invoices

| /Customer ID # | You Ordered | We Shipped | Balance Due | Unit Price | Extended Amount |
|---|-------------|------------|-------------|------------|-----------------|
| ISE-MNT HINGE W/ IN,DULL CHROME FINISH, | 3 | 3 | 0 | 31.78 EA | 95.34 |

Merchandise Amount: 95.34
Sales Tax: 7.39
Shipping Charge: 5.92
Invoice Total: \$108.65

Set as follows:

Scale: 40 % | 2501px x 3282px | 8.34" x 10.94" | 300 DPI | Black & White

Results (1)
7.39

Confidence | Page No | Index | Length
100 % | 1 | 856 | 4

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Discount
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Sales Tax
 - Express
 - Standard
 - Ship To
 - Lexicons (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard

Data Extraction
Global Resources
Infrastructure
Reports

Pattern Editor

Value Pattern: `1 ([@Number.] {3,12})`

Look Ahead Pattern: `1 tax\s`

Look Behind Pattern (click to expand): `{1:Number}`
OK: (?<=tax's)(([0-9]{0,1}OoGgSsBbUuD){3,12}))

Batch: Invoices

Results (1): 2.90

INVOICE SUB TOTAL: 40.56
SHIPPING CHARGE: 7.71
TAX: 2.90

AMOUNT DUE 51.17

> Content Models / Invoices / (data model) / Sales Tax

Change the following property value(s):

| Property | Default Value | New Value |
|--------------------------|---------------|-----------|
| General | | |
| Value Type | String | Decimal |
| → FormatSpecifier | - | c2 |
| Expressions | | |
| Default Value Expression | - | 0 |

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - End
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field [Data Field] [Contents] [Advanced]

Save **Cancel** **Test Extraction**

General

- Value Type: String (empty) 20%
- Value Extractor: Minimum Confidence: 20%
- Sub-Element Name: Description
- Appearance
- Behavior
- Database Lookup
- Expressions
- Default Value Expression
- Generated Default Value
- Calculate Expression
- Validate Expression
- List Settings

Data Field Preview

Sales Tax

Document View **Text View** **Instance View**

STANDARD

PAGE 1 OF 1

| ACCOUNT NUMBER | 872864830 | | | | | |
|--|--|----------------------|----------|--------------|------------|-------|
| INVOICE NUMBER | 9777052473 | | | | | |
| INVOICE DATE | 11/11/2008 | | | | | |
| DUUE DATE | 12/11/2008 | | | | | |
| AMOUNT DUE | \$1.17 | | | | | |
| 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! | | | | | | |
| FOR ANY QUESTIONS ABOUT THIS INVOICE OR ACCOUNT CALL 1-877-202-204 | | | | | | |
| PO LINE # | ITEM # | DESCRIPTION | QUANTITY | BACK ORDERED | UNIT PRICE | TOTAL |
| 2V620 | FLASHLIGHT,0 | MANUFACTURER # JV20M | 8 | 5.07 | 40.56 | |

Scale: 19% 2545px x 3274px 8.48" x 10.91" 300 DPI Black & White

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - End
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field [Data Field] [Contents] [Advanced]

Save **Cancel** **Test Extraction**

General

- Value Type: Decimal Any c2
- Input Styles: Format Specifier: c2
- Input Cultures: Output Culture: Minimum Value: Maximum Value: Value Range: -79228162514264337593543950335 to 792
- Value Extractor: Minimum Confidence: 20%
- Sub-Element Name: Description
- Appearance
- Behavior
- Database Lookup
- Expressions
- Default Value Expression
- Generated Default Value
- Calculate Expression
- Validate Expression

Data Field Preview

Sales Tax

Document View **Text View** **Instance View**

STANDARD

PAGE 1 OF 1

| ACCOUNT NUMBER | 872864830 | | | | | |
|--|--|----------------------|----------|--------------|------------|-------|
| INVOICE NUMBER | 9777052473 | | | | | |
| INVOICE DATE | 11/11/2008 | | | | | |
| DUUE DATE | 12/11/2008 | | | | | |
| AMOUNT DUE | \$1.17 | | | | | |
| 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! | | | | | | |
| FOR ANY QUESTIONS ABOUT THIS INVOICE OR ACCOUNT CALL 1-877-202-204 | | | | | | |
| PO LINE # | ITEM # | DESCRIPTION | QUANTITY | BACK ORDERED | UNIT PRICE | TOTAL |
| 2V620 | FLASHLIGHT,0 | MANUFACTURER # JV20M | 8 | 5.07 | 40.56 | |

Scale: 19% 2545px x 3274px 8.48" x 10.91" 300 DPI Black & White

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field [Contents Advanced] Save Cancel Test Extraction

General

Value Type: Decimal
Input Styles: Any
FormatSpecifier: c2
InputCultures:
OutputCulture:
MinimumValue:
MaximumValue:
ValueRange: -79228162514264337593543950335 to 792

ValueExtractor: (empty)
MinimumConfidence: 20%

Appearance

Behavior

Database Lookup

Expressions

Default Value Expression: 0
Generated Default Value: \$0.00
Calculate Expression:

Default Value Expression

Batch: Invoices

Acme (1)
Standard (2)
Express (3)

Data Field Preview

Sales Tax

Document View [Text View Instance View]

STANDARD

PAGE 1 OF 1

ORIGINAL INVOICE

ACCOUNT NUMBER: 87384830
INVOICE NUMBER: 8737052473
INVOICE DATE: 11/11/2008
DUE DATE: 12/11/2008
AMOUNT DUE: \$1.17

PO NUMBER: 209001161

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!

FOR ANY QUESTIONS ABOUT THIS INVOICE OR ACCOUNT CALL 1-877-232-2844

| PO LINE # | ITEM # | DESCRIPTION | QUANTITY | PACK ORDERED | UNIT PRICE | TOTAL |
|-----------|--------|------------------------------------|----------|--------------|------------|-------|
| | ZV620 | FLASHLIGHT, 6 MANUFACTURER # ZV20M | 8 | | \$5.07 | 40.56 |

Scale: 19% | 2545px x 3274px | 8.48" x 10.91" | 300 DPI | Black & White

> Content Models / Invoices / (data model) / Sales Tax

Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|-----------|
| General | | |
| Value Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | | Sales Tax |

The screenshot displays the ACE Architect 02 application interface. On the left, a tree view shows project structure under 'ACE Architect 02' including 'Batch Processing', 'Content Models', 'Invoices' (with sub-items like 'Invoice Number', 'PO Number', etc.), and various company models ('Acme', 'Enid', 'Express', 'Spartan', 'Standard'). The main workspace is divided into several panes:

- Data Field Editor:** Shows a 'General' section with 'Value Type' set to 'Decimal' (with options 'Any' and 'c2'), and a 'Value Extractor' section where 'Type' is set to 'Sales Tax'. A preview window shows the value '-79228162514264337593543950335 to 792'.
- Document View:** Displays an 'ORIGINAL INVOICE' PDF. The header includes 'PAGE 1 OF 1', 'STANDARD', and 'P.O. NUMBER: 209001161'. The invoice details a purchase from 'Grooper Industries' in Edmond, OK, with a due date of 12/11/2008 and an amount of \$1.17. The footer says 'THANK YOU!'.
- Scale:** Shows 'Scale: 19 %' and '2545px x 3274px | 8.48" x 10.91" | 300 DPI | Black & White'.

› Content Models / Invoices / (local resources)

1. Right click and select Add → New Folder... .
 2. Name it Overrides .

The screenshot shows the ACE Architect 0.2 application window. The left sidebar displays a tree view of project components:

- ACE Architect 0.2
 - Batch Processing
 - Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Lexicons
 - Ovemdes
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

The 'Invoices' node is expanded, showing its sub-folders: '(local resources)', '(data model)', and 'Ovemdes'. The 'Ovemdes' folder is selected and highlighted in blue.

The main workspace contains three tabs at the top: 'Folder', 'Contents', and 'Advanced'. The 'Folder' tab is active, showing a dialog box with the following fields:

| |
|-------------|
| Description |
|-------------|

Below the dialog box, there is a detailed description of the 'Folder' object:

Folder
Represents a folder object in which objects can be stored.
Used By
[Dispose Batch](#)

> Content Models / Invoices / (local resources) / Overrides 

1. In the Overrides folder, add a Field Class.

2. Name it [Enid] Sales Tax.

File Edit Tools Help

ACE Architect 02

Batch Processing Content Models

Invoices (local resources) _Global Extractors Lexicons Overrides [Enid] Sales Tax (data model)

Acme Enid Express Spartan Standard Data Extraction Global Resources Infrastructure Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

0 results in 0 ms

General

- Value Type String
- Value Extractor (empty)
- Feature Extractor (empty)
- Description

Context Scope Options

- Context Scope Zonal
- Context Zones (2 Rectangle objects)
- Exclusion Extractor (empty)
- GeoTag Features False

Classifier Tuning

- Minimum Feature Count 0
- Training Threshold 0%
- Use Class Frequency False
- Sublinear TF Scaling False
- Smooth IDF True

Value Extractor

Batch: Invoices

Spartan (4)

Enid (5)

Image View Text View

Enid Parts

INVOICE

INVOICE DATE: 12-05-08 INVOICE #: CSI/10076138 PAGE: 1

PH: (405) 555-1212 FAX: (405) 444-2121

REMIT TO: Enid Parts 596 West Industrial Road Enid, OK 73703

SOLD: Grooper Industries 13900 N Harvey SHIP: Grooper Industries TO: Edmond, OK 73013

ITEM NUMBER ORDER NUMBER ORDER DATE CUSTOMER NUMBER SALES PERSON PURCHASE ORDER NUMBER SHIP VIA SHIP DATE TERMS

| | | | | | | | | |
|------------------|------------------|------------|-----------------|--------------|-----------------------|----------|-----------|-------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 | |
| ITEM NUMBER | ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
| QUANTITY ORDERED | QUANTITY SHIPPED | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE | | | |

Scale: 24 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0

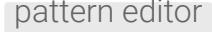
Feature Count CWF CTC CF TF IDF Weight

1. Change the following property value(s):

| Property | Default Value | New Value |
|-----------------|-----------------|-----------------|
| General | | |
| Value Extractor | | |
| → Type | None | Internal |
| → Pattern | (Click to edit) | (Click to edit) |

2. Click to edit the pattern:

| |
|---------------------|
| Value Pattern |
| ([@Number.] {2,12}) |
| Output Format |

3. Press  to close the  window.

4. Change the following property value(s):

| Property | Default Value | New Value |
|------------------------|---------------|-----------|
| General | | |
| Feature Extractor | | |
| → Type | None | Reference |
| → Referenced Extractor | - | Phrases |

File Edit Tools Help

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Lexicons
 - Oversizes
 - [Enid] Sales Tax (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 0 results in 0 ms

General

- Value Type String
- Value Extractor Type Pattern (Click to edit) Internal
- Feature Extractor Description (empty)
- Context Scope Options**
- Context Scope Zonal
- Context Zones (2 Rectangle objects)
- Exclusion Extractor (empty)
- GeoTag Features False
- Classifier Tuning**
- Minimum Feature Count 0
- Training Threshold 0%
- Use Class Frequency False

Pattern

Batch: Invoices

Spartan (4)

Enid (5)

Value Page Confidence

Image View Text View

Enid Parts

INVOICE

| | | |
|--------------|--------------|------|
| INVOICE DATE | INVOICE # | PAGE |
| 12-05-08 | CSI/10076138 | 1 |

PH: (405) 555-1212
FAX: (405) 444-2121

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73703

SOLD Grooper Industries
13900 N Harvey
TO: Edmond, OK 73013

SHIP Grooper Industries
13900 N Harvey
TO: Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |

ITEM NUMBER ITEM DESCRIPTION

ITEM NUMBER QUANTITY ORDERED QUANTITY SHIPPED STK UNIT PRICE UNIT DISCOUNT EXTENDED PRICE

Scale: 24 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0

Feature Count CWF CTC CF TF IDF Weight

OK Cancel 64 results in 4 ms | Reference Material

Pattern Editor Properties

Value Pattern 1 (@Number.{2,12})

Look Ahead Pattern (click to expand)
Look Behind Pattern (click to expand)
Output Format {1:Number}
OK: ([0-9]{1}OgGgSsBuUD){2,12})

Batch: Invoices

Acme (1)

Standard (2)

Express (3)

Spartan (4)

Enid (5)

Image Text

Enid Parts

INVOICE

| | | |
|--------------|--------------|------|
| INVOICE DATE | INVOICE # | PAGE |
| 12-05-08 | CSI/10076138 | 1 |

PH: (405) 555-1212
FAX: (405) 444-2121

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73703

SOLD Grooper Industries
13900 N Harvey
TO: Edmond, OK 73013

SHIP Grooper Industries
13900 N Harvey
TO: Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG | 12-03-08 | Net 30 |

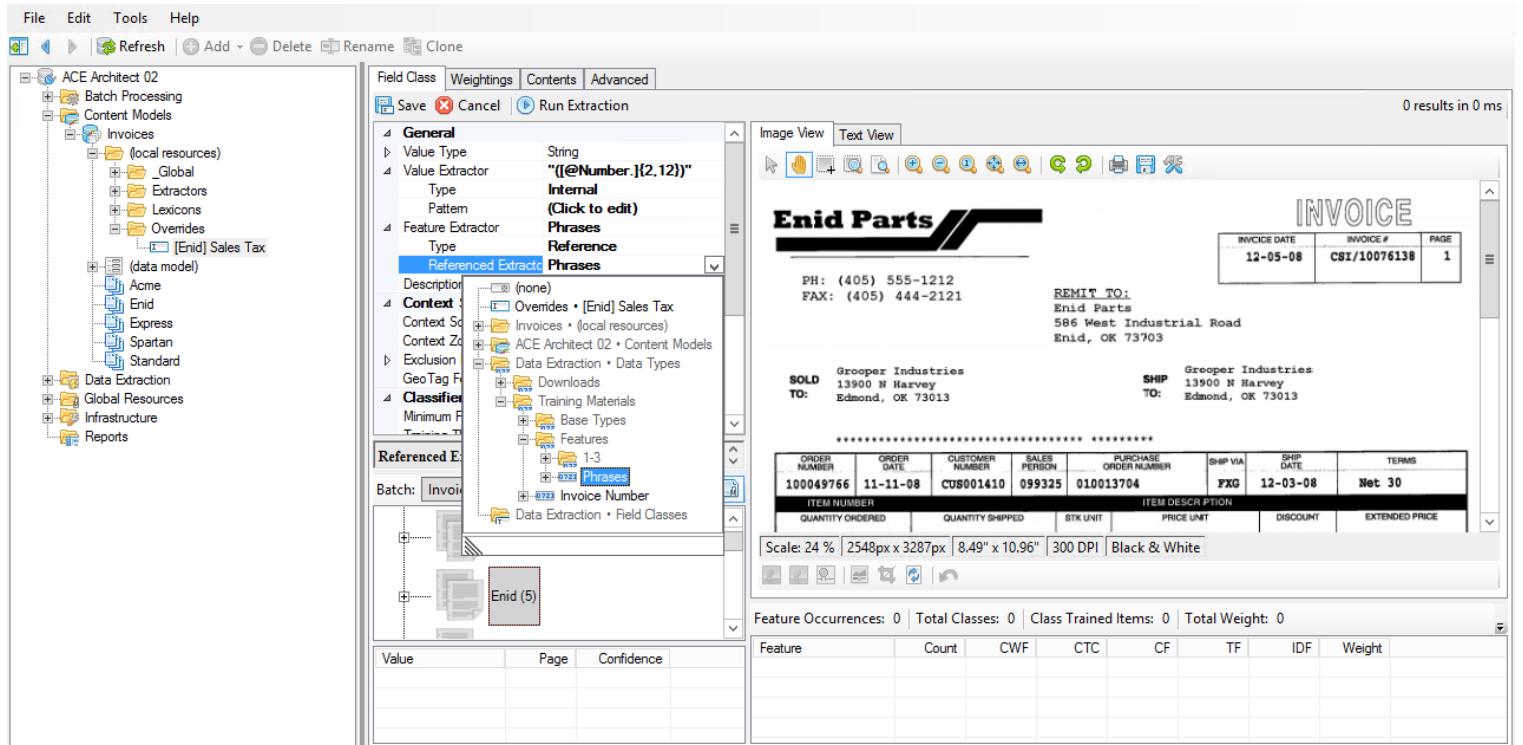
ITEM NUMBER ITEM DESCRIPTION

ITEM NUMBER QUANTITY ORDERED QUANTITY SHIPPED STK UNIT PRICE UNIT DISCOUNT EXTENDED PRICE

Scale: 34 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Results (64)

| | Confidence | Page No | Index | Length |
|----|------------|---------|-------|--------|
| 01 | 100 % | 1 | 14 | 2 |
| 01 | 100 % | 1 | 27 | 2 |
| 12 | 100 % | 1 | 40 | 2 |
| 05 | 100 % | 1 | 43 | 2 |



1. Change the following property value(s):

| Property | Default Value | New Value |
|-----------------------|-----------------|-----------------|
| Context Scope Options | | |
| Context Zones | (Click to edit) | (Click to edit) |

2. In the **Context Zones** window, delete one of the zones.

3. For the remaining zone, edit the dimensions as follows:

| Property | Zone |
|----------|------|
| Left | -2.4 |
| Top | -0.2 |
| Right | 0.25 |
| Bottom | 0.1 |

4. Press **OK** to close the **Context Zones** window.

5. Change the following property value(s):

| Property | Default Value | New Value |
|--------------------|---------------|-----------|
| Output | | |
| Minimum Confidence | 0% | 90% |

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Lexicons
 - Oversides
 - [Enid] Sales Tax
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

64 results in 25 ms

General

- Value Type String "(@Number.{2,12})"
- Type Internal Pattern (Click to edit)
- Feature Extractor Phrases Reference Referenced Extractor Phrases Description

Context Scope Options

- Context Scope Zonal
- Context Zones (2 Rectangle objects) ...
- Exclusion Extractor (empty)
- GeoTag Features False

Classifier Tuning

- Minimum Feature Count 0 Training Threshold ...

Context Zones

Batch: Invoices

Sparten (4)

Enid (5)

Value Page Confidence

| Value | Page | Confidence |
|--------|------|------------|
| 101.71 | 1 | 100.0000 % |
| 00 | 1 | 81.6497 % |
| 08 | 1 | 0.0000 % |
| n8 | 1 | 0.0000 % |

Image View Text View

FREIGHT

SALES TAX TOTAL

BALANCE DUE

Scale: 73 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Feature Occurrences: 3 | Total Classes: 59 | Class Trained Items: 0 | Total Weight: 1.484300

| Feature | Count | CWF | TF | IDF | Weight |
|-------------|-------|-----|----------|----------|----------|
| total | 1 | 2 | 0.333333 | 1.484300 | 0.494767 |
| sales tax | 1 | 2 | 0.333333 | 1.484300 | 0.494767 |
| balance due | 1 | 2 | 0.333333 | 1.484300 | 0.494767 |

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
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 - [Enid] Sales Tax
 - (data model)
 - Acme
 - Enid
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 - Spartan
 - Standard- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

64 results in 25 ms

General

- Value Type String "(@Number.{2,12})"
- Type Internal Pattern (Click to edit)

Context Zones

OK Cancel + Add... Edit... Delete

Zone No Region

Zone 2 (-2.4-0.2)(0.25,0.1)

Left -2.4
Top -0.2
Right 0.25
Bottom 0.1
Width 2.65
Height 0.30000000000000004

Left
Type: Double Default: 0
The left edge of the rectangle.

Value Page Confidence

| Value | Page | Confidence |
|--------|------|------------|
| 101.71 | 1 | 100.0000 % |
| 00 | 1 | 81.6497 % |
| 08 | 1 | 0.0000 % |
| n8 | 1 | 0.0000 % |

Image View Text View

10

1,3

Feature Occurrences: 3 | Total Classes: 59 | Class Trained Items: 0 | Total Weight: 1.484300

| Feature | Count | CWF | TF | IDF | Weight |
|-------------|-------|-----|----------|----------|----------|
| total | 1 | 2 | 0.333333 | 1.484300 | 0.494767 |
| sales tax | 1 | 2 | 0.333333 | 1.484300 | 0.494767 |
| balance due | 1 | 2 | 0.333333 | 1.484300 | 0.494767 |

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Lexicons
 - Oversizes
 - (data model)
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 1 results in 15 ms

Context Scope Options

- Context Scope: Zonal
- Context Zones: (1 Rectangle)
- Exclusion Extractor: (empty)
- GeoTag Features: False

Classifier Tuning

- Minimum Feature Count: 0
- Training Threshold: 0%
- Use Class Frequency: False
- Sublinear TF Scaling: False
- Smooth IDF: True

Output

- Minimum Confidence: 90%
- Collation Method: Individual
- Order By: Confidence
- Direction: Descending

Minimum Confidence

Batch: Invoices

Value Page Confidence

| | | |
|--------|---|------------|
| 101.71 | 1 | 100.0000 % |
|--------|---|------------|

Image View **Text View**

SALES AMOUNT **DEPOSIT AMOUNT** **1,271.40**

FREIGHT **0.00**

SALES TAX **TOTAL** **101.71**

ALANCE DUE **1,373.11**

Scale: 73 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Feature Occurrences: 2 | Total Classes: 59 | Class Trained Items: 0 | Total Weight: 1.484300

| Feature | Count | CWF | TF | IDF | Weight |
|-----------|-------|-----|----------|----------|----------|
| total | 1 | 2 | 0.500000 | 1.484300 | 0.742150 |
| sales tax | 1 | 2 | 0.500000 | 1.484300 | 0.742150 |

> Content Models / Invoices / Enid

1. Switch to the **Data Element Profiles** tab.
2. Click on the **Sales Tax** Data Field and click the **+** button in the toolbar.

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
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 - (data model)
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 - Express
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- Data Extraction
- Global Resources
- Infrastructure
- Reports

Document Type Data Element Profiles Weightings Contents Advanced

Save Cancel Create Data Model Create Local Resources Folder Purge Training Rebuild Training

General

- Allow Training: True
- Page Scope - Data Extraction: (unlimited)
- Base Content Type: Document
- Description:

Classification Rules

- Positive Extractor: "enid parts"
- Negative Extractor: (empty)
- Minimum Pages: 0
- Maximum Pages: 0

Separation

- Pagination: Structured
- Combine Contiguous Documents: False

Data Model Preview

| | |
|----------------|----------------------|
| Invoice Number | <input type="text"/> |
| PO Number | <input type="text"/> |
| Invoice Date | <input type="text"/> |
| Freight | <input type="text"/> |
| Sales Tax | <input type="text"/> |
| Discount | <input type="text"/> |
| Invoice Amount | <input type="text"/> |
| Payment Terms | <input type="text"/> |
| Ship To | <input type="text"/> |
| Remit To | <input type="text"/> |

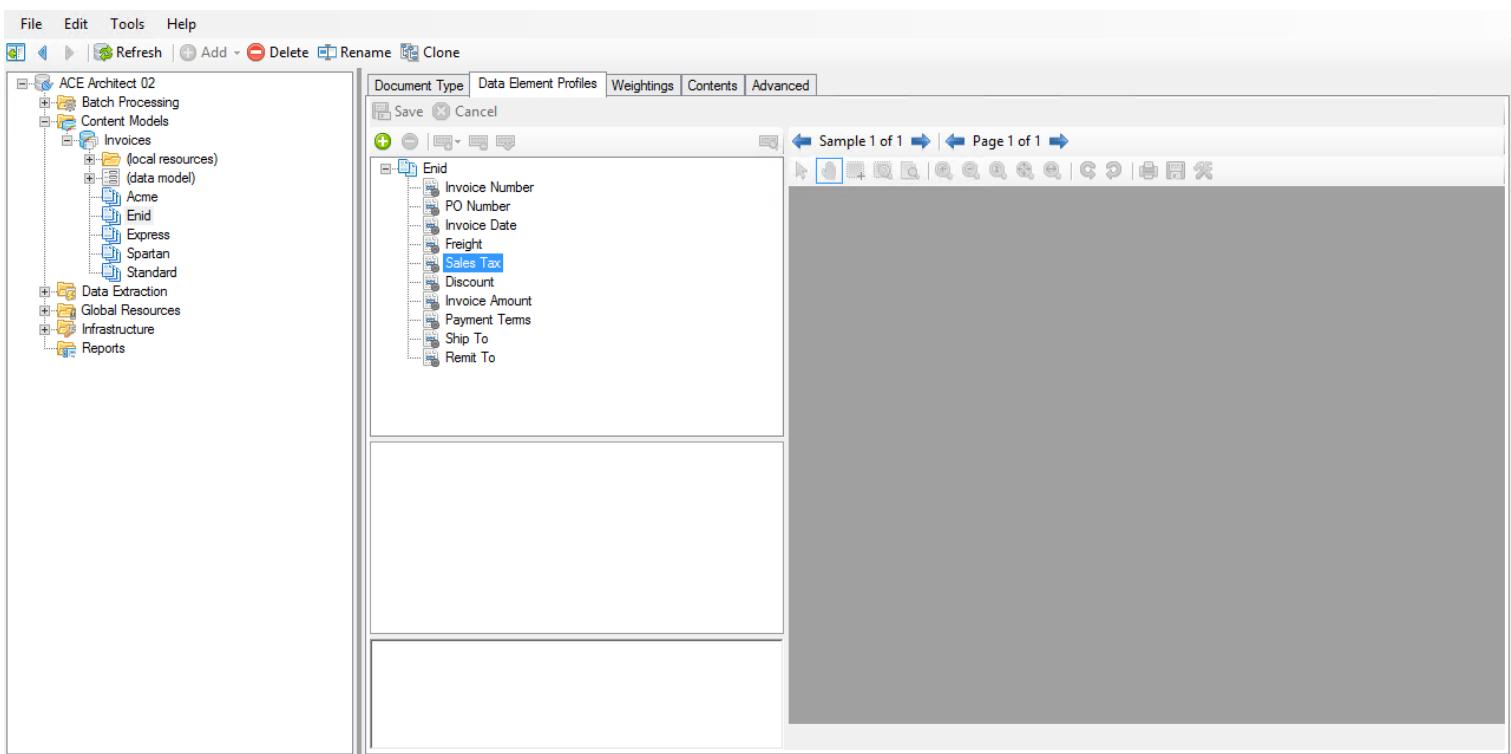
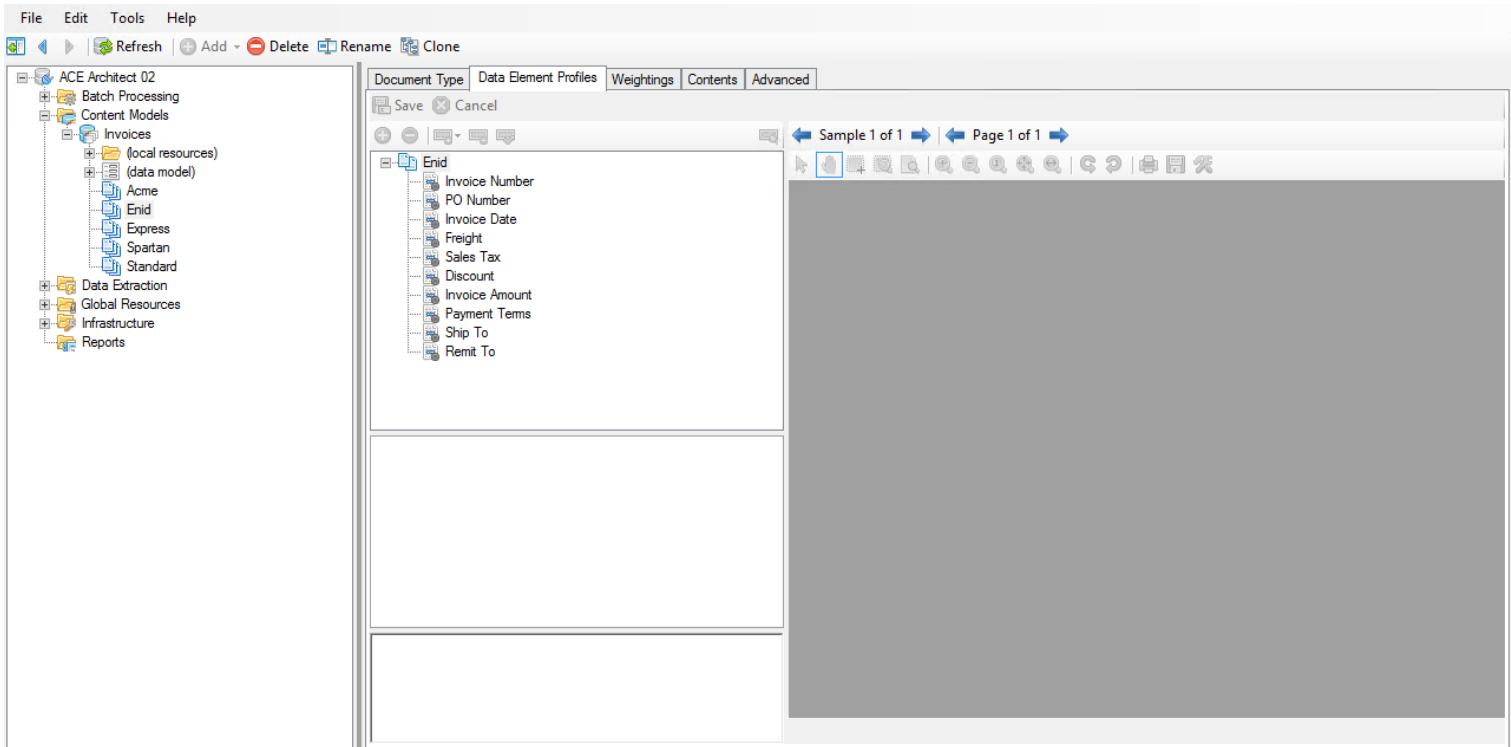
Document Type

A Document Type is an object in a [Content Model](#) which represents a distinct type of document, such as an invoice or contract. Document Types are ultimately assigned to documents in a batch in a process called *classification*.

Remarks

Document Types are created as children of [Content Model](#) or [Content Category](#) objects. Once created, document types can be assigned to [Batch Folder](#) objects in a [Batch](#) manually using the [Batch Folder - Assign Document Type](#) command. The act of assigning a document type to a folder is called *classification*.

Classification is rarely performed manually by a user. In most cases, automated classification is used to classify documents based on their lexical content or visual appearance. To use automated classification, each document type must be trained with



File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

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- Reports

Document Type Data Element Profiles Weightings Contents Advanced

Save Cancel

Sample 1 of 1 Page 1 of 1

Enid

- Invoice Number
- PO Number
- Invoice Date
- Freight
- Sales Tax
- Discount
- Invoice Amount
- Payment Terms
- Ship To
- Remit To

General

| | |
|--------------------|----------------|
| Zone Processing | BestConfidence |
| Share Registration | False |

ESP™ Extraction Overrides

| | |
|--------------------|-------|
| Override Extractor | False |
|--------------------|-------|

Field Property Overrides

| |
|---------------|
| Default Value |
| Read Only |
| Required |
| Visible |

Field Profile

Defines settings for a [Data Field](#) which apply when processing a specific Content Type.

Remarks

Field Profiles are created on Data Element Profiles tab of a [Content](#).

> Content Models / Invoices / Enid

Change the following property value(s):

| Property | Default Value | New Value |
|---------------------------|---------------|------------------|
| ESP™ Extraction Overrides | | |
| Override Extractor | False | True |
| → Type | None | Reference |
| → Referenced Extractor | [] | [Enid] Sales Tax |

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

Batch Processing Content Models

Invoices (local resources) (data model)

Acme Enid Express Spartan Standard

Data Extraction Global Resources Infrastructure Reports

Document Type Data Element Profiles Weightings Contents Advanced

Save Cancel

Sample 1 of 1 Page 1 of 1

Enid

- Invoice Number
- PO Number
- Invoice Date
- Freight
- Sales Tax
- Discount
- Invoice Amount
- Payment Terms
- Ship To
- Remit To

General

Zone Processing BestConfidence
Share Registration False

ESP™ Extraction Overrides

Override Extractor **True**

Extractor (empty)

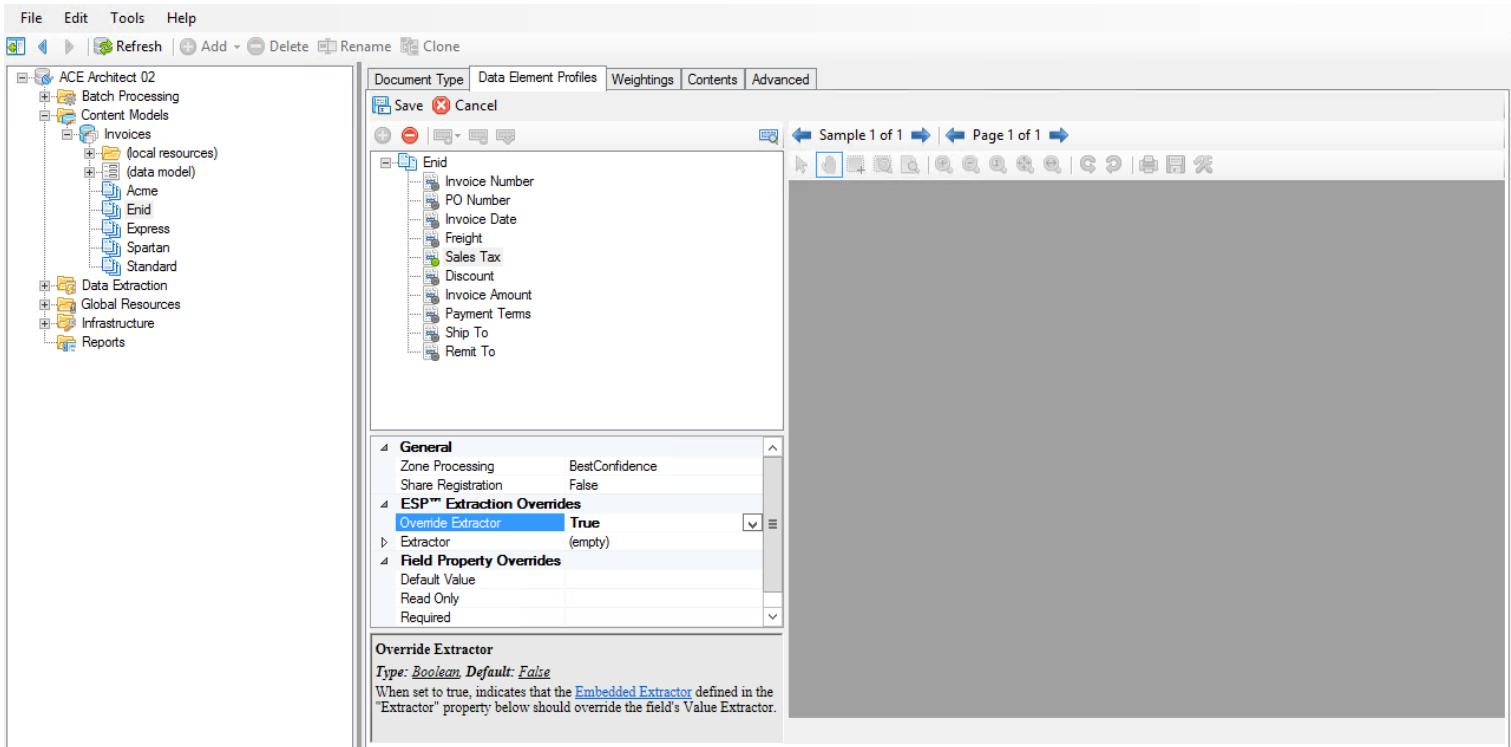
Field Property Overrides

Default Value
Read Only
Required

Override Extractor

Type: Boolean Default: False

When set to true, indicates that the [Embedded Extractor](#) defined in the "Extractor" property below should override the field's Value Extractor.



File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

Batch Processing Content Models

Invoices (local resources) (data model)

Acme Enid Express Spartan Standard

Data Extraction Global Resources Infrastructure Reports

Document Type Data Element Profiles Weightings Contents Advanced

Save Cancel

Sample 1 of 1 Page 1 of 1

Enid

- Invoice Number
- PO Number
- Invoice Date
- Freight
- Sales Tax
- Discount
- Invoice Amount
- Payment Terms
- Ship To
- Remit To

General

Zone Processing BestConfidence
Share Registration False

ESP™ Extraction Overrides

Override Extractor

Extractor

Type

Referenced Extractor **[Enid] Sales Tax**

Field Property Overrides

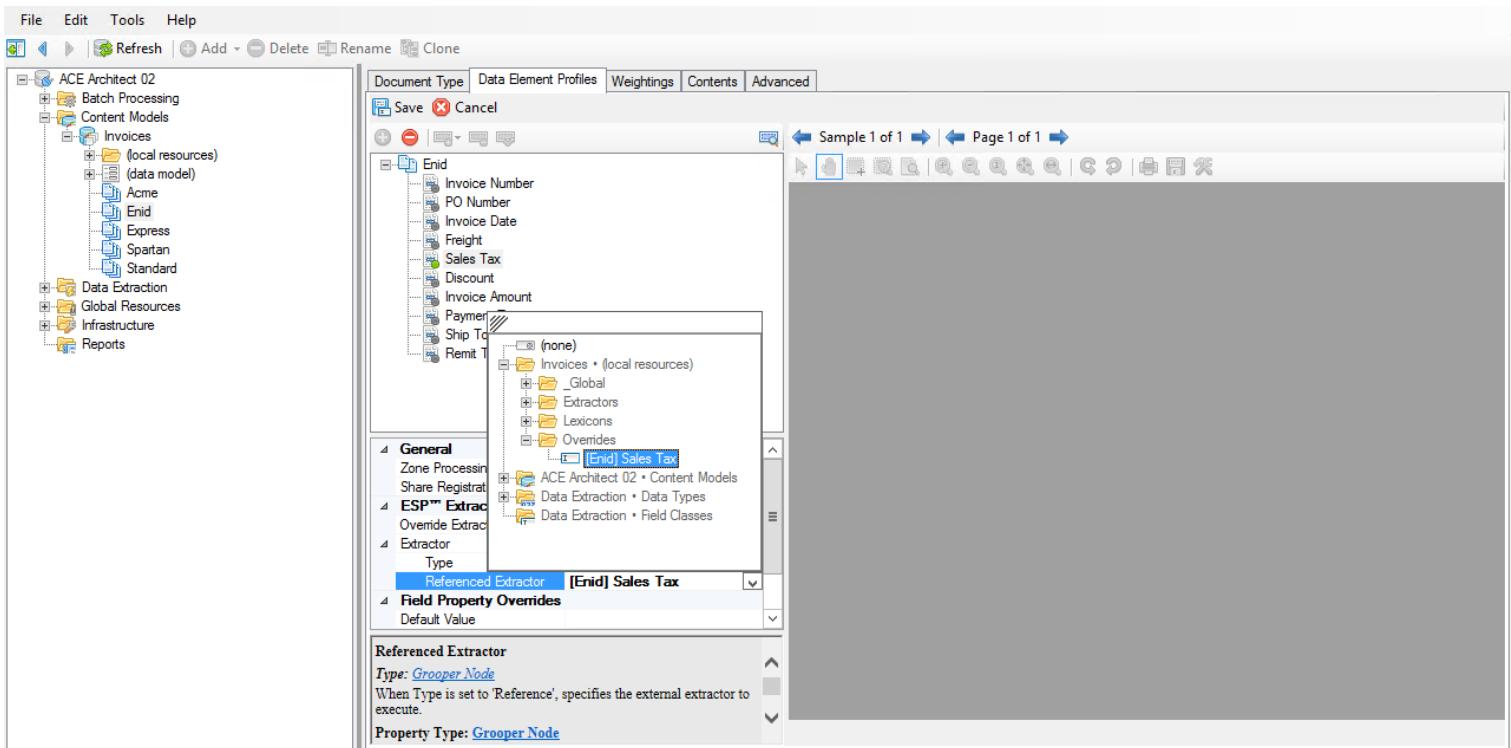
Default Value

Referenced Extractor

Type: Grooper Node

When Type is set to 'Reference', specifies the external extractor to execute.

Property Type: Grooper Node



Data Model Adjustments

> Content Models / Invoices / (data model) / **Ship To** 

Change the following property value(s):

| Property | Default Value | New Value |
|---------------------|---------------|-----------|
| Appearance | | |
| Display Width | 100 | 110 |
| Behavior | | |
| Multi Line | Disabled | Enabled |
| → Multi Line Height | 80 | 45 |
| → Word Wrap | False | True |

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
- Invoice Number
- PO Number
- Invoice Date
- Freight
- Sales Tax
- Discount
- Invoice Amount
- Payment Terms
- Ship To
- Remit To
- Acme
- Enid
- Express
- Spartan
- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field **Contents** **Advanced**

Save **Cancel** **Test Extraction**

General

Appearance

| | |
|------------------|---------------|
| Alignment | Left |
| Display Width | 110 |
| Error Color | 255, 192, 192 |
| Background Color | Window |
| Foreground Color | WindowText |
| Visible | True |
| Label Position | Left |
| Label Alignment | MiddleLeft |

Behavior

| | |
|---------------------|-------------|
| FieldSense™ | Disabled |
| Input Mask | Disabled |
| Multi Line | Disabled |
| Tooltip | (Text) |
| Read Only | False |
| Required | True |
| Sticky | False |
| Requires Validation | False |
| Character Cascading | Normal |

Display Width

Batch: Invoices

Ship To

Data Field Preview

Document View **Text View** **Instance View**

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference

| | |
|------------------|---------------------|
| P.O. number | : 201012081 |
| Date | : 11/14/2008 |
| Invoice number | : 74401405 |
| Customer contact | : 18103943 |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Delivery number | : 33241729 |
| Payment terms | : Net 30 days |
| Freight center | : |
| Tracking number | : 12356890301034108 |

Our Reference

| | |
|------------------|---------------------|
| P.O. number | : 201012081 |
| Date | : 11/14/2008 |
| Invoice number | : 74401405 |
| Customer contact | : 18103943 |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Delivery number | : 33241729 |
| Payment terms | : Net 30 days |
| Freight center | : |
| Tracking number | : 12356890301034108 |

Scale: 19% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
- Invoice Number
- PO Number
- Invoice Date
- Freight
- Sales Tax
- Discount
- Invoice Amount
- Payment Terms
- Ship To
- Remit To
- Acme
- Enid
- Express
- Spartan
- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field **Contents** **Advanced**

Save **Cancel** **Test Extraction**

General

Appearance

| | |
|------------------|---------------|
| Alignment | Left |
| Display Width | 110 |
| Error Color | 255, 192, 192 |
| Background Color | Window |
| Foreground Color | WindowText |
| Visible | True |
| Label Position | Left |
| Label Alignment | MiddleLeft |

Behavior

| | |
|---------------------|----------------|
| FieldSense™ | Disabled |
| Input Mask | Disabled |
| Multi Line | Enabled |
| Tooltip | (Text) |
| Read Only | False |
| Required | True |
| Sticky | False |
| Requires Validation | False |
| Character Cascading | Normal |

Multi Line

Batch: Invoices

Ship To

Data Field Preview

Document View **Text View** **Instance View**

ACME | INTERNATIONAL

Checks to:
Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Invoice

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference

| | |
|------------------|---------------------|
| P.O. number | : 201012081 |
| Date | : 11/14/2008 |
| Invoice number | : 74401405 |
| Customer contact | : 18103943 |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Delivery number | : 33241729 |
| Payment terms | : Net 30 days |
| Freight center | : |
| Tracking number | : 12356890301034108 |

Our Reference

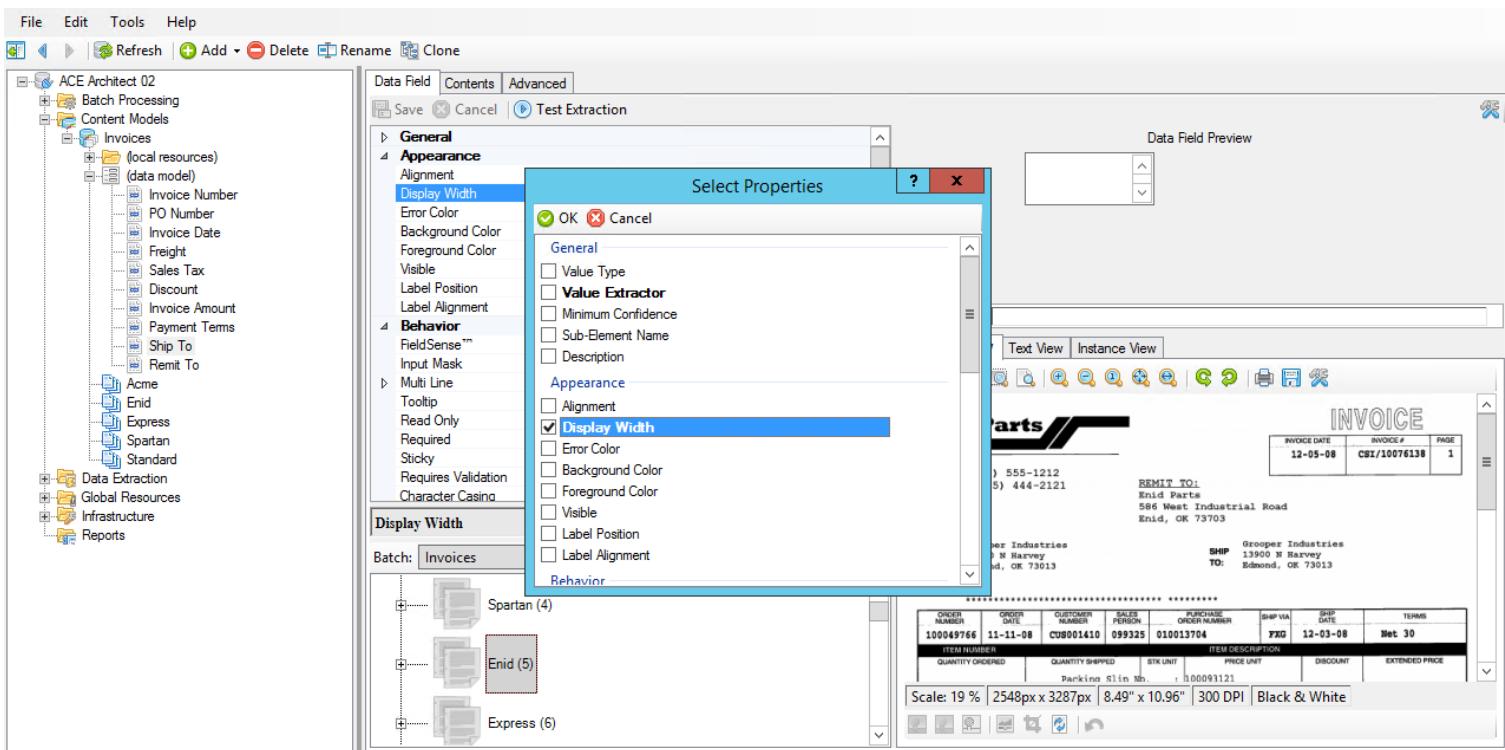
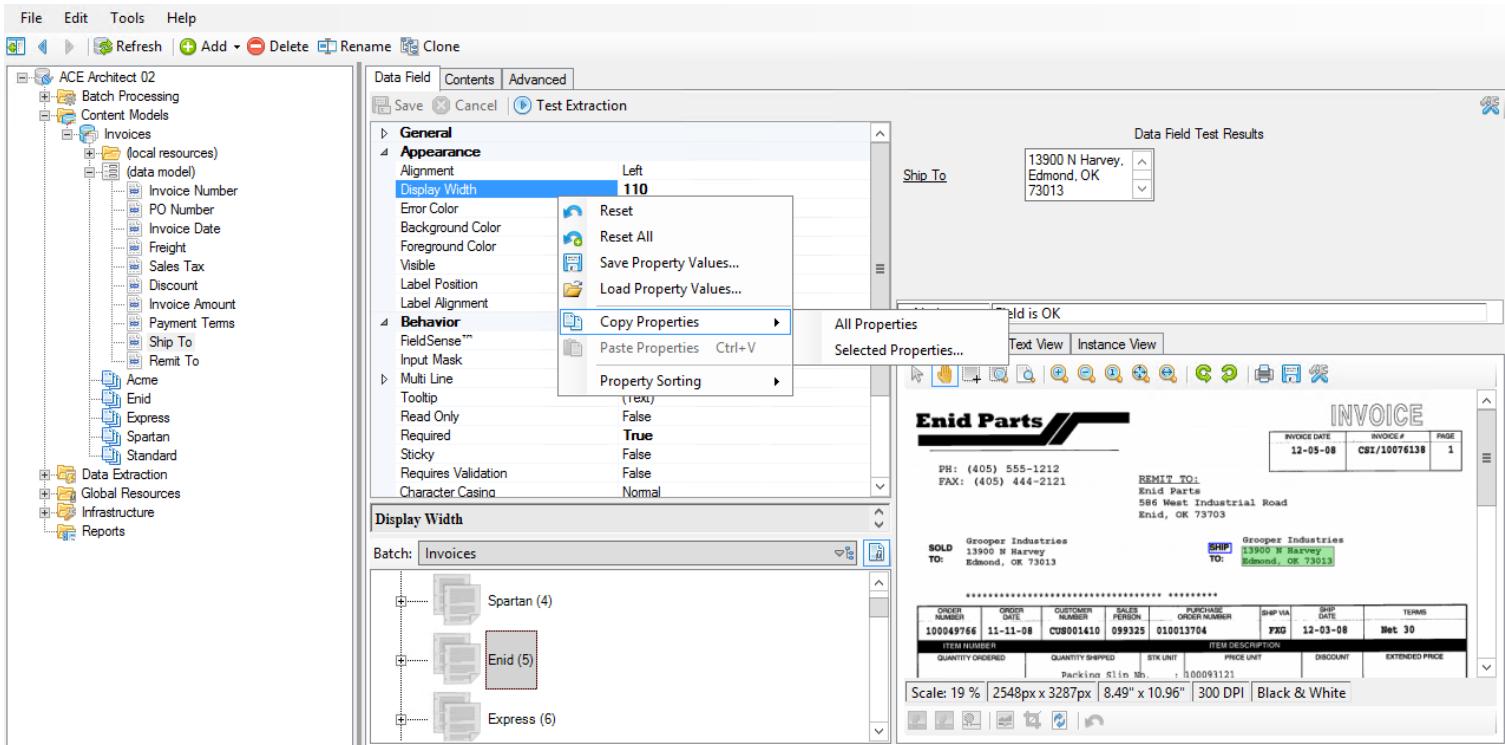
| | |
|------------------|---------------------|
| P.O. number | : 201012081 |
| Date | : 11/14/2008 |
| Invoice number | : 74401405 |
| Customer contact | : 18103943 |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Delivery number | : 33241729 |
| Payment terms | : Net 30 days |
| Freight center | : |
| Tracking number | : 12356890301034108 |

Scale: 19% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

The screenshot shows the ACE Architect 02 interface. On the left, there's a navigation tree with categories like Content Models, Invoices, and Reports. The main area has tabs for Data Field, Contents, and Advanced. The Data Field tab is active, showing the 'Ship To' field properties. The properties pane includes sections for General and Appearance, with settings like Alignment (Left), Display Width (110), and Background Color (Window). The Behavior section shows Multi Line is Enabled. The preview pane shows a sample invoice with shipping information.

> Content Models / Invoices / (data model) / Ship To

1. Right click on any of the property names and select **Copy Properties → Selected Properties...**
2. In the **Select Properties** window, check the boxes next to the properties to copy:
 - [X] Display Width
 - [X] Multi Line



File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field | Contents | Advanced | Save | Cancel | Test Extraction

Select Properties

OK Cancel

Description

Appearance

Alignment

Display Width

Error Color

Background Color

Foreground Color

Visible

Label Position

Label Alignment

Behavior

FieldSense™

Input Mask

Multi Line

Tooltip

Read Only

Required

Sticky

Requires Validation

Character.Casing...

Display Width

Batch: Invoices

Display Width

Batch: Invoices

Spartan (4)

Enid (5)

Express (6)

Data Field Preview

Text View Instance View

INVOICE

INVOICE DATE: 12-05-08 INVOICE #: CBI/10076138 PAGE: 1

REMIT TO: Enid Parts 586 West Industrial Road Edmond, OK 73013

Grooper Industries 13900 N Harvey Edmond, OK 73013

SHIPPING TO: Grooper Industries 13900 N Harvey Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|-----------------------------|------------------|-----------------|--------------|-----------------------|----------------|-----------|--------|
| 100049766 | 11-11-08 | CUB001410 | 099325 | 010013704 | FAX | 12-03-08 | Net 30 |
| ITEM DESCRIPTION | | | | | | | |
| ITEM NUMBER | QUANTITY SHIPPED | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE | | |
| Parking Slip No.: 000091121 | | | | | | | |

Scale: 19% | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

> Content Models / Invoices / (data model) / Remit To

1. Right click on any of the property names and select Paste Properties.

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
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 - Discount
 - Invoice Amount
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 - Ship To
 - Remit To
 - Acme
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field | Contents | Advanced | Save | Cancel | Test Extraction

Remit To

Document View Text View Instance View

INVOICE

INVOICE DATE: 12-05-08 INVOICE #: CBI/10076138 PAGE: 1

REMIT TO: Enid Parts 586 West Industrial Road Edmond, OK 73013

Grooper Industries 13900 N Harvey Edmond, OK 73013

SHIPPING TO: Grooper Industries 13900 N Harvey Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|-----------------------------|------------------|-----------------|--------------|-----------------------|----------------|-----------|--------|
| 100049766 | 11-11-08 | CUB001410 | 099325 | 010013704 | FAX | 12-03-08 | Net 30 |
| ITEM DESCRIPTION | | | | | | | |
| ITEM NUMBER | QUANTITY SHIPPED | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE | | |
| Parking Slip No.: 000091121 | | | | | | | |

Scale: 19% | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To**
- Acme
- Enid
- Express
- Spartan
- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field Contents Advanced

Save Cancel Test Extraction

General Appearance

Remit To

Data Field Preview

Document View Text View Instance View

Enid Parts

INVOICE
12-05-08 INVOICE # CBI/10076138 PAGE 1

PH: (405) 555-1212 FAX: (405) 444-2121

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73013

SOLD: Grooper Industries
TO: Grooper Industries
13900 N Harvey
Edmond, OK 73013 SHIP: Grooper Industries
TO: Grooper Industries
13900 N Harvey
Edmond, OK 73013

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|-----------------------------|------------------|-----------------|--------------|-----------------------|----------------|-----------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FAX | 12-03-08 | Net 30 |
| ITEM DESCRIPTION | | | | | | | |
| ITEM NUMBER | QUANTITY ORDERED | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE | | |
| Packing Slip No.: 000091121 | | | | | | | |

Scale: 19% | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Invoice Number
 - PO Number
 - Invoice Date
 - Freight
 - Sales Tax
 - Discount
 - Invoice Amount
 - Payment Terms
 - Ship To
 - Remit To**
- Acme
- Enid
- Express
- Spartan
- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field Contents Advanced

Save Cancel Test Extraction

General Appearance

Remit To

Data Field Preview

Document View Text View Instance View

Enid Parts

INVOICE
12-05-08 INVOICE # CBI/10076138 PAGE 1

PH: (405) 555-1212 FAX: (405) 444-2121

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73013

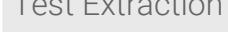
SOLD: Grooper Industries
TO: Grooper Industries
13900 N Harvey
Edmond, OK 73013 SHIP: Grooper Industries
TO: Grooper Industries
13900 N Harvey
Edmond, OK 73013

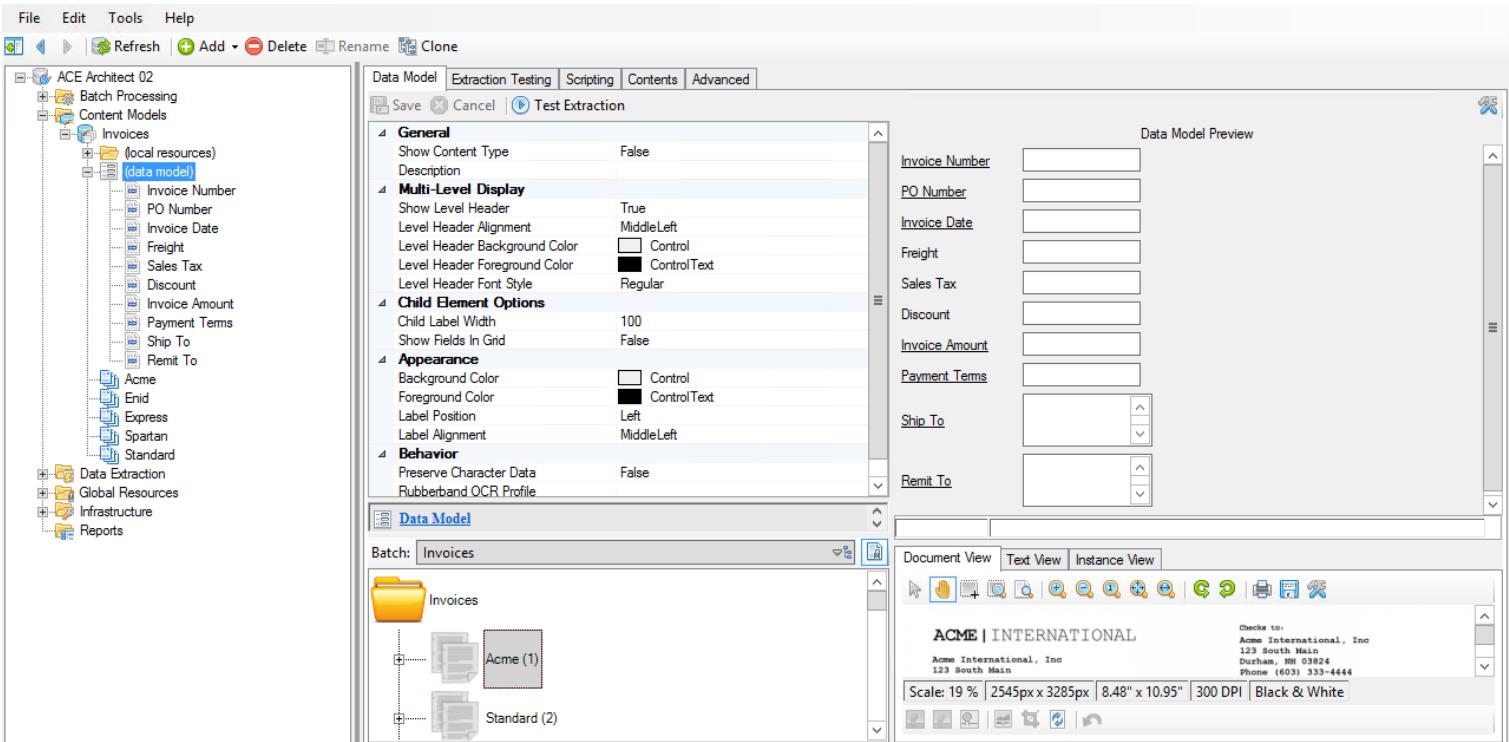
| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|-----------------------------|------------------|-----------------|--------------|-----------------------|----------------|-----------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FAX | 12-03-08 | Net 30 |
| ITEM DESCRIPTION | | | | | | | |
| ITEM NUMBER | QUANTITY ORDERED | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE | | |
| Packing Slip No.: 000091121 | | | | | | | |

Scale: 19% | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

1. Change the following property value(s):

| Property | Default Value | New Value |
|-----------------------|---------------|-----------|
| Child Element Options | | |
| Show Fields in Grid | False | True |

2. In the toolbar, press  to test all fields against a document.



The screenshot shows the ACE Architect 02 application interface. On the left is a tree view of project structure under 'Content Models'. The 'Invoices' node has a child 'data model' node selected. The main workspace shows the 'Data Model' configuration window for this selected item. The 'General' tab is active, displaying properties like 'Show Content Type' (False), 'Description', and 'Multi-Level Display' settings. A 'Child Element Options' section is expanded, showing 'Show Fields In Grid' set to 'False'. The 'Appearance' section shows 'Background Color' and 'Foreground Color' settings. The 'Behavior' section includes 'Preserve Character Data' and 'Rubberband OCR Profile'. To the right of the configuration window is a 'Data Model Preview' pane showing input fields for various invoice fields: Invoice Number, PO Number, Invoice Date, Freight, Sales Tax, Discount, Invoice Amount, Payment Terms, Ship To, and Remit To. Below the preview is a 'Document View' pane showing a sample document from 'ACME | INTERNATIONAL' with details like 'Checks to: Acme International, Inc 123 South Main Durbin, MN 53824 Phone (603) 333-4444'. The bottom of the preview pane displays document statistics: Scale: 19%, 2545px x 3285px, 8.48" x 10.95", 300 DPI, Black & White.

Data Model Preview

| | |
|----------------|--|
| Invoice Number | |
| PO Number | |
| Invoice Date | |
| Freight | |
| Sales Tax | |
| Discount | |
| Invoice Amount | |
| Payment Terms | |
| Ship To | |
| Remit To | |

Show Fields In Grid

Batch: Invoices

- Invoices
 - + Acme (1)
 - + Standard (2)

Document View

ACME | INTERNATIONAL

Acme International, Inc
123 South Main
Durham, NH 03824
Phone (603) 333-4444

Scale: 19 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

Data Model Test Results

| | |
|----------------|-------------------------------------|
| Invoice Number | 74451405 |
| PO Number | 201017081 |
| Invoice Date | 11/14/2008 |
| Freight | \$4.20 |
| Sales Tax | \$0.00 |
| Discount | \$246.13 |
| Invoice Amount | \$1,727.13 |
| Payment Terms | Net 30 |
| Ship To | 13900 N Harvey, Edmond, OK 73013 |
| Remit To | 123 South Main, Durham, NH 03824 |

No Issues

Document View

13900 N Harvey
Edmond, OK 73013
405-597-7000

Your Reference: 301017081 | Our Reference: 11/14/2008

Scale: 19 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White