

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 values:

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

3. Press `Execute`.

ACE Architect 02

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

Data Model Extraction Testing Scripting Contents Advanced

General
Show Content Type False
Description

Multi-Level Display
Show Level Header True
Level Header Alignment MiddleLeft
Level Header Background Color Control
Level Header Foreground Color ControlText
Regular

Child Element Options
Creates multiple items as children of the selected object.

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, tables, and columns.

Batch: Invoices

Data Model Preview

ACME | INTERNATIONAL

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

Invoice
Page 1 / 01

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

Ship To:
Gropper 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 |

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

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
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- Global Resources
- Infrastructure
- Reports

Data Model Extraction Testing Scripting Contents Advanced

Contents • Add Multiple Items

Execute **Cancel**

General
Item Type Item Names

Data Field
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
Page 1 / 01

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

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

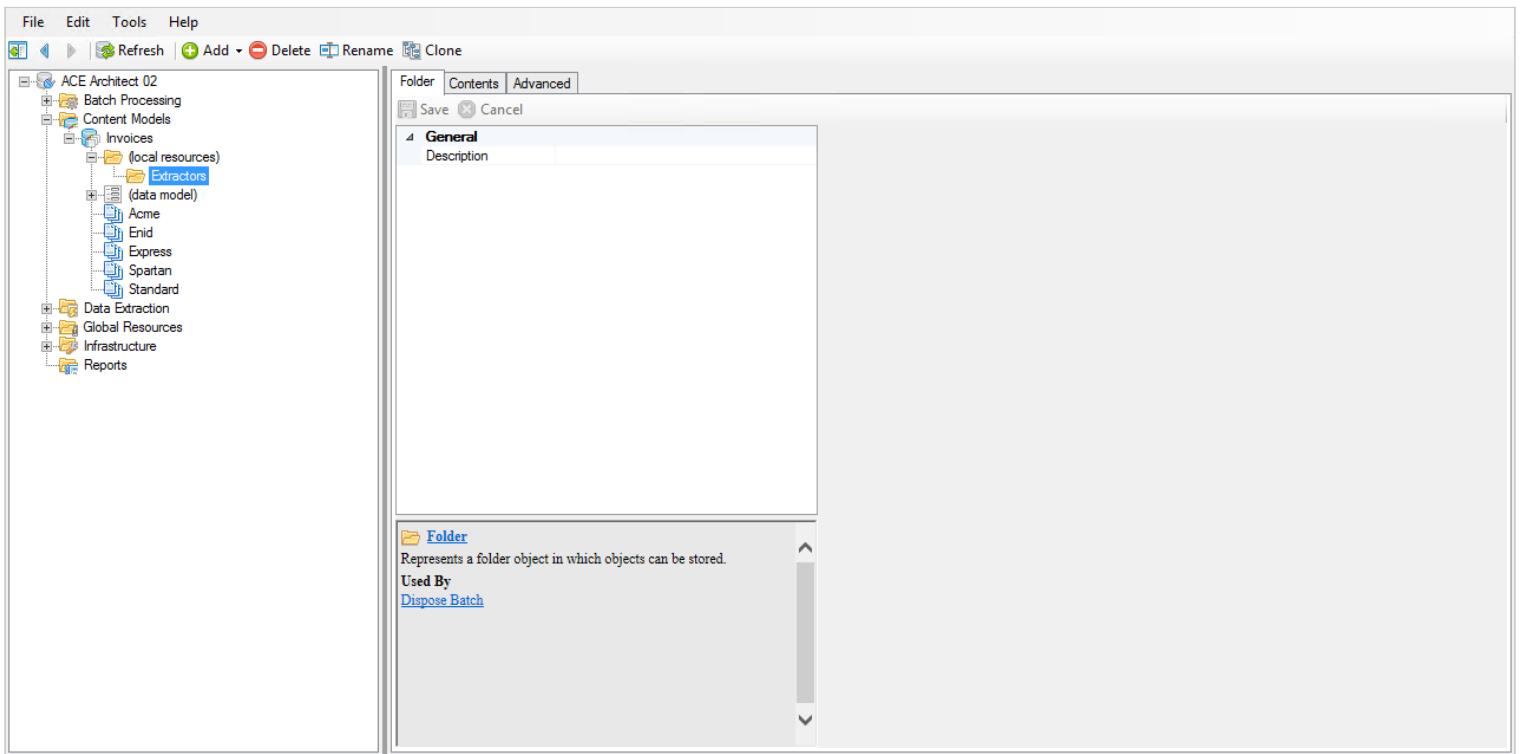
Our Reference

| | |
|-----------------|----------------------|
| P.O. number | : 11114/2008 |
| Invoice number | : 74461405 |
| Ship-to Number | : 18103043 |
| Sales order no | : 33241729 |
| Delivery number | : 5819616 |
| Freight carrier | : |
| Tracking number | : 122568890301034108 |

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

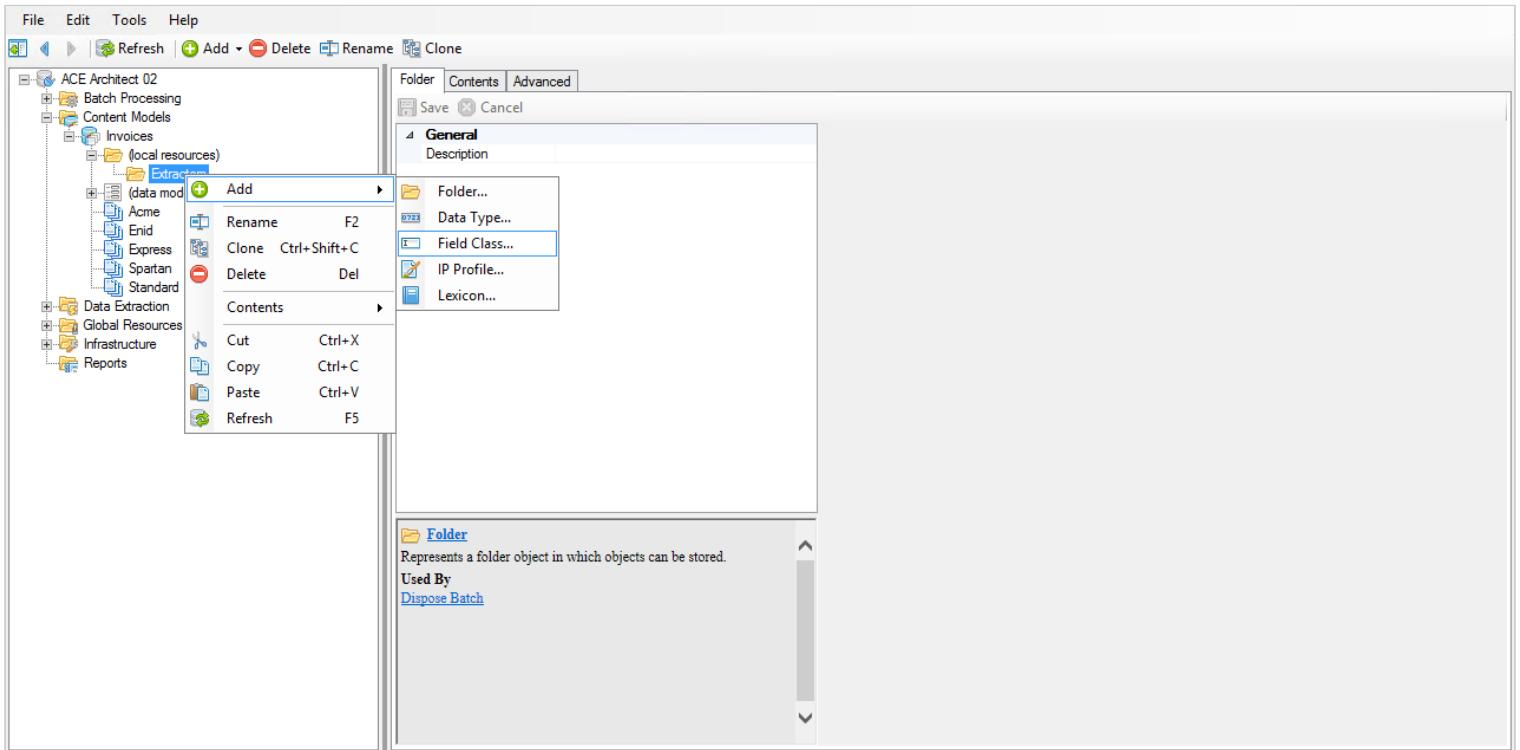
E15 Content Models / Invoices / (local resources)

1. Right click and select Add > Folder...
2. Name it Extractors



E15 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

Field 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

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 :

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

E15 Content Models / Invoices / (local resources) / Extractors / **Invoice Date**

Change the following property values:

| 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
 - (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

0 results in 0 ms

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

E15 Content Models / Invoices / (local resources) / Extractors / **Invoice Date**

Change the following property values:

| Property | Default Value | New Value |
|----------------------|---------------|-----------|
| General | | |
| Feature Extractor | | |
| 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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 - Invoice Date
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 - 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 Date
- Feature Extractor Type Reference
- Phrases Phrases

Referenced Extract (none)

Extractor • Invoice Date

Context Invoices • (local resources)

Context ACE Architect 02 • Content Models

Exclusive Data Extraction • Data Types

Training Materials Base Types

1-3 Features

Phrases

Invoice Number

Batch: Invoices

Value Page Confidence

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

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

Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013

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:

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

E15 Content Models / Invoices / (local resources) / Extractors / **Invoice Date**

1. Select Acme (1)
2. Press Run Extraction
3. 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

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

1 results in 748 ms

General

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

Invoices

Acme (1)

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 | 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...

Image View Text View

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

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
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

E15 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**

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
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Field Class Weightings Contents Advanced

Save Cancel Run Extraction

Image View Text View

PAGE 1 OF 1

STANDARD

Products
19658 South Frisk
Oklahoma City, OK 73102

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

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

ORIGINAL INVOICE

| | |
|----------------|------------|
| ACCOUNT NUMBER | 872864830 |
| INVOICE NUMBER | 9777062473 |
| INVOICE DATE | 11/11/2008 |
| DUE DATE | 12/11/2008 |
| AMOUNT DUE | 51.17 |
| PO NUMBER: | 209001161 |

THANK YOU!

FOR ANY QUESTIONS ABOUT THIS INVOICE OR ACCOUNT CALL 1-877-202-2594

Scale: 28% | 2545px x 3274px | 8.48" x 10.91" | 300 DPI | Black & White

Feature Occurrences: 2 | Total Classes: 1 | Class Trained Items: 0 | Total Weight: 1.000000

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

E15 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
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Field Class Weightings Contents Advanced

Save Cancel Run Extraction

Image View Text View

PAGE 1 OF 1

EXPRESS

Dallas, TX

INVOICE

Invoice Number: 16862865

Invoice Date: **12/2/2008**

Purchase Order: 710015038

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

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 | 1.000000 | 0.778151 | 0.778151 |

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

Screenshot of the ACE Architect software interface showing the configuration of an invoice date extractor.

File Edit Tools Help

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

| | |
|---|-------------------------------------|
| 4 | General |
| 4 | Value Type String |
| 4 | Value Extractor Date |
| 4 | Type Reference |
| | Referenced Extract: Date |
| 4 | Feature Extractor Phrases |
| 4 | Type Reference |
| | Referenced Extract: Phrases |
| | Description |
| 4 | Context Scope Options |
| | Context Scope Zonal |
| | Context Zones (2 Rectangle objects) |
| | Exclusion Extractor (empty) |
| | GeoTag Features False |
| 4 | Classifier Tuning |
| | Minimum Feature Count 0 |

Context Zones

Batch: Invoices

| Batch: Invoices | |
|-----------------|--|
| Express (3) | |
| Spartan (4) | |

Image View Text View

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

SOLD TO

REMIT TO:

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

Image View Text View

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 |

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.
- Left Sidebar:** ACE Architect 02, Batch Processing, Content Models, Invoices (selected), local resources, Extractors, (data model), Acme, Enid, Express, Spartan, Standard, Data Extraction, Global Resources, Infrastructure, Reports.
- Central Area:**
 - Field Class:** General, Value Type: String, Value Extractor: Date, Type: Reference.
 - Context Zones Dialog:**
 - General tab: OK, Cancel, Add, Edit, Delete.
 - Context Zones table:

| Zone No | Region |
|---------|---------------------------------|
| Zone 1 | (-3.278, -0.054):(0.312, 0.054) |
| Zone 2 | (-1, -0.5):(1, 0) |
 - Image View: Preview of an invoice document with extracted text: INVOICE DATE 11/10/08 ORIGINAL, INVOICE NUMBER MA20-552100, PO / RELEASE NUMBER 201011309.
 - Text View: Preview of an invoice document with extracted text: INVOICE DATE 11/10/08 ORIGINAL, INVOICE NUMBER MA20-552100, PO / RELEASE NUMBER 201011309.
 - Feature Table:** 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 |

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

Image View Text View

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 -0.67
Top -0.37
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 |

E15 Content Models / Invoices / (local resources) / Extractors / Invoice Date

1. Select Enid (5)
2. 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

Image View Text View

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

| Value | Page | Confidence |
|------------|------|------------|
| 12/5/2008 | 1 | 70.7107 % |
| 11/11/2008 | 1 | 42.0751 % |
| 12/3/2008 | 1 | 42.0751 % |

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
506 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 |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100040755 | 11-11-08 | 000001410 | 0000000000 | 0000000000 | FAX | 12-03-08 | 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 Page Confidence

12/5/2008 1 70.7107 %

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
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 |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100040755 | 11-11-08 | 00001410 | 000225 | 010012704 | FED | 12-03-08 | 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 |

E15 Content Models / Invoices / (data model) / **Invoice Date**

Change the following property values:

| Property | Default Value | New Value |
|----------------------|---------------|--------------|
| General | | |
| Value Extractor | | |
| Type | None | Reference |
| Referenced Extractor | - | Invoice Date |
| 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
- Enid
- Express
- Spartan
- Standard
- Data Extraction
- Global Resources
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- 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 Top

Data Field
Represents a field.

Remarks
Fields can have 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 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 : 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
Purchase number : 0014816

Scale: 21% | 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: String
- Value Extractor: **Referenced Extractor**
- Type: **Referenced Extractor**
- Minimum Confidence:
- Sub-Element Name:
- Description:

Appearance

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

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 types, such as:

Batch: Invoices

Invoice Date 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

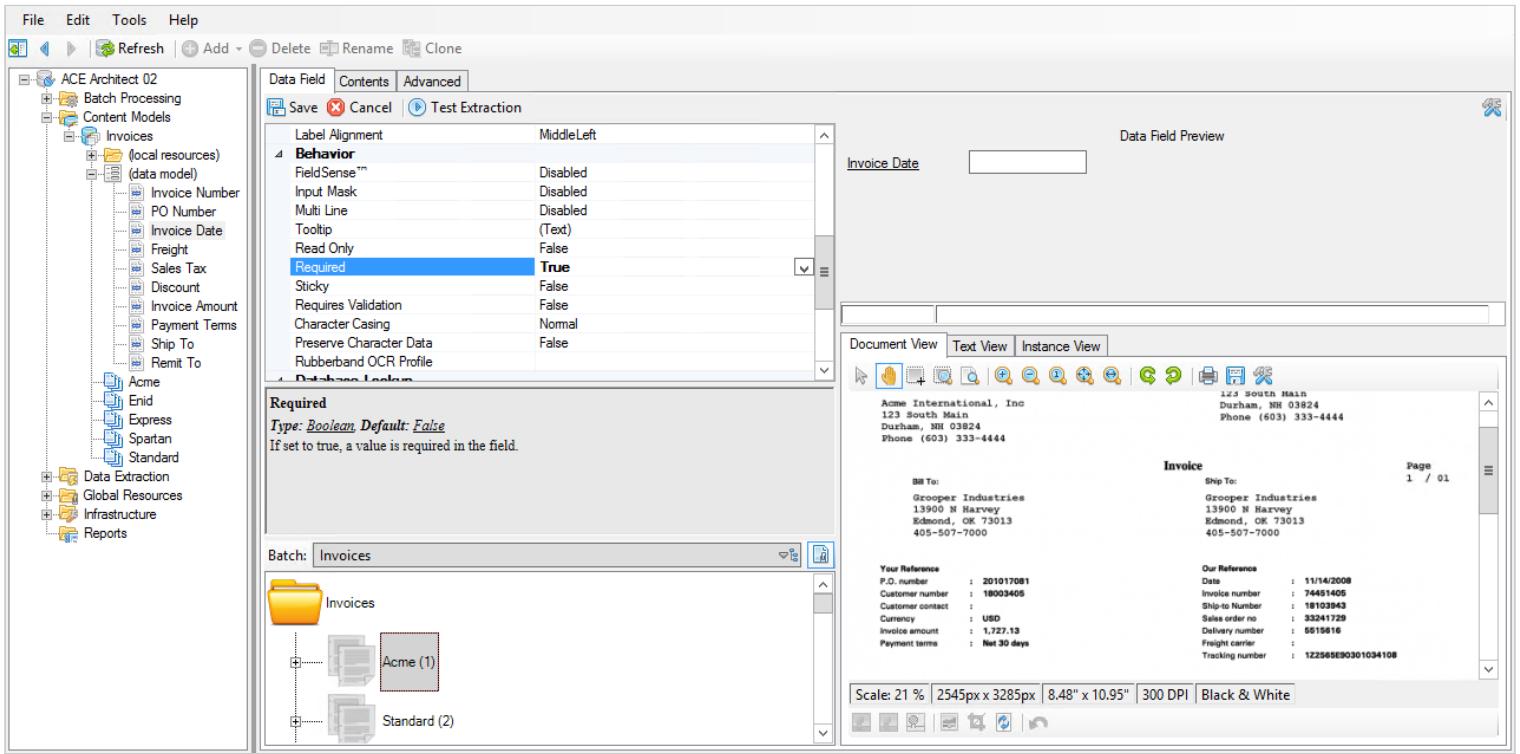
Invoice
Ship To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

Page 1 / 01

Your Reference
P.O. number : 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
Purchase number : 0014816

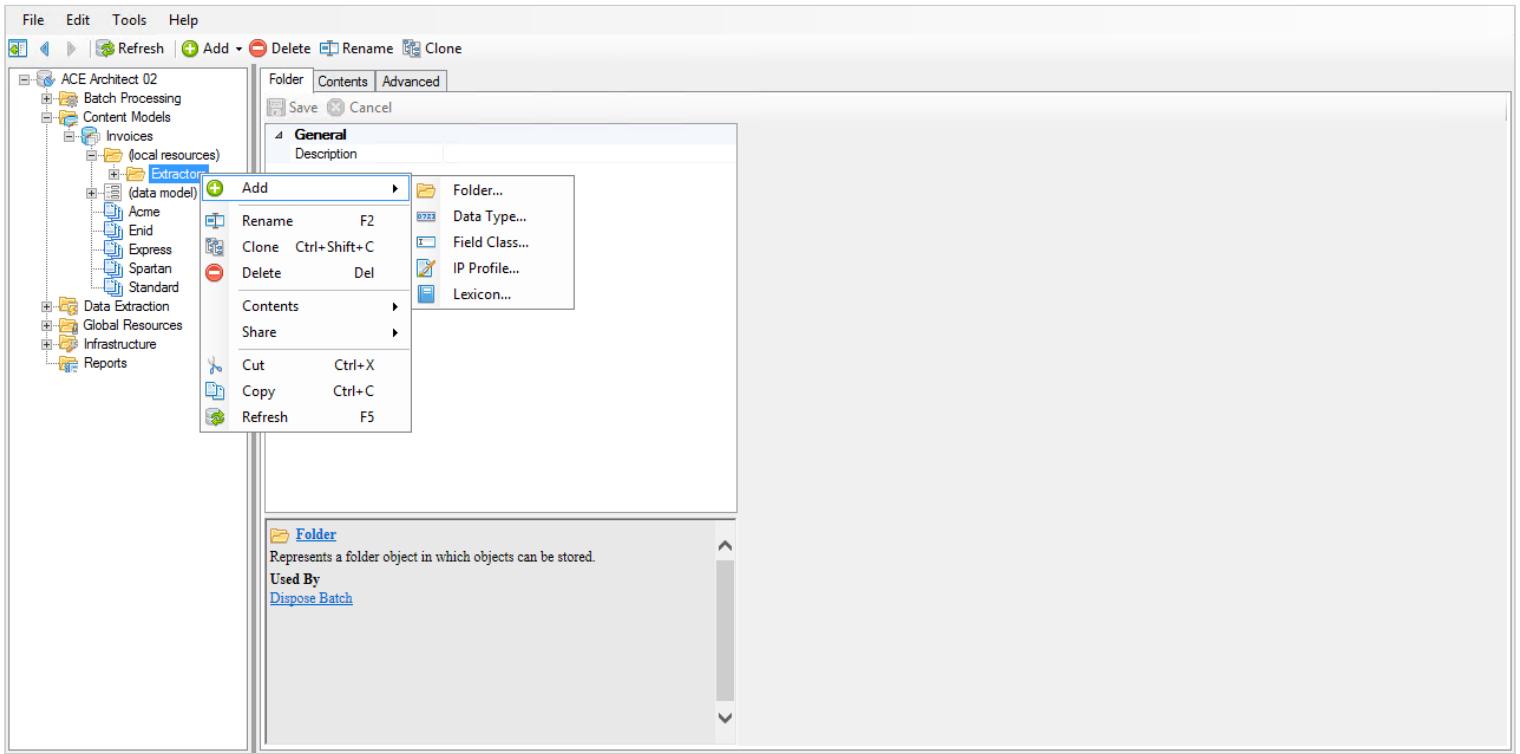
Scale: 21% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White



Ship To

Content Models / Invoices / (local resources) / Extractors

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



This screenshot shows the 'Field Class' configuration for the 'Ship To' extractor. The 'General' tab is selected, showing settings for Value Type (String), Value Extractor (empty), Feature Extractor (empty), and Description. Under 'Context Scope Options', 'Context Scope' is set to 'Zonal' and 'Context Zones' is set to '(2 Rectangle objects)'. The 'Classifier Tuning' tab shows various parameters like Minimum Feature Count (0), Training Threshold (0%), and Smooth IDF (True). The 'Field Class' tab shows a batch named 'Invoices' containing an 'Invoices' folder with an item 'Acme (1)'. The right side of the screen displays the extracted data for 'ACME | INTERNATIONAL' and 'Grooper Industries'.

E3 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

Refresh Add Delete Rename Clone

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

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 : 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**

Value Page Confidence

File Edit Tools Help

Refresh Add Delete Rename Clone

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

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 : 18103943

Scale: 25 % | 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**

Value Confidence Page No Index Length Extractor

Batch: Invoices

Data Type

Batch: Invoices

Value Confidence Page No Index Length Extractor

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 .

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), Extractors, Acme, Enid, Express, Spartan, Standard, Data Extraction, Global Resources, Infrastructure, Reports.
- Central Panel:**
 - Data Type:** Scripting, Contents, Advanced.
 - Buttons:** 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:** Shows a preview of an invoice from "ACME | INTERNATIONAL". It includes sections for "Checks to:", "Invoice", and "Your Reference".
- Text View:** Shows the raw extracted data in a table format.
- Bottom Panel:** Pattern section showing the selected batch "Invoices" and its contents: "Invoices", "Acme (1)", and "Standard (2)".

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 (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

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 | : | |

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 values:

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

The screenshot displays the ACE Architect 02 software interface, specifically the 'Field Class' configuration screen.

Left Panel: Shows the project structure under 'ACE Architect 02' > 'Batch Processing' > 'Content Models' > 'Invoices' (local resources) > Extractors > 'Invoice Date' > 'Ship To'. Other sections like 'Data Extraction', 'Global Resources', 'Infrastructure', and 'Reports' are also visible.

Top Bar: Includes standard menu items (File, Edit, Tools, Help), a toolbar with icons for Refresh, Add, Delete, Rename, and Clone, and tabs for 'Field Class', 'Weightings', 'Contents', and 'Advanced'.

Central Configuration Area: The 'Field Class' tab is active. It shows configuration sections for 'General' (Value Type: String, Value Extractor: empty, Feature Extractor: empty, Description: empty), 'Context Scope Options' (Context Scope: Zonal, Context Zones: (2 Rectangle objects), Exclusion Extractor: empty, GeoTag Features: False), and 'Classifier Tuning' (Minimum Feature Count: 0, Training Threshold: 0%, Use Class Frequency: False, Sublinear TF Scaling: False, Smooth IDF: True). A 'Save' button is present at the top.

Right Side Preview and Reporting:

- Image View:** Shows a preview of the extracted data for 'ACME | INTERNATIONAL'. It includes the company name and address: Acme International, Inc, 123 South Main, Durham, NH 03824, Phone (603) 333-4444. It also shows 'Checks to:' information for Acme International, Inc, 123 South Main, Durham, NH 03824, Phone (603) 333-4444.
- Text View:** Shows the extracted data in a structured format:
 - Invoice:** Bill To: Grooper Industries, 13900 N Harvey, Edmond, OK 73013, 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
 - 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 Table:** A table showing columns for Feature, Count, CWF, CTC, CF, TF, IDF, and Weight, currently empty.

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), (data model) Acme, Enid, Express, Spartan, Standard, Data Extraction, Global Resources, Infrastructure, and Reports. The main workspace has tabs for Field Class, Weightings, Contents, and Advanced, with Save, Cancel, and Run Extraction buttons. A 'Referenced Extract' dropdown is open, showing options like (none), Extractors • Ship To, and Address. Below it, a 'Reference' section lists Address, Base Types, Currency, Features, and Invoice Number. The central area shows an 'Image View' tab with a preview of an invoice from 'ACME | INTERNATIONAL'. The invoice details include checks to Acme International, Inc at 123 South Main, Durham, NH 03824, phone (603) 333-4444. It lists a bill to Grooper Industries at 13900 N Harvey, Edmond, OK 73013, with phone 405-507-7000. The right side shows an 'Invoice' section with a preview of the same invoice and a 'Page' indicator (1 / 01). 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 status bar at the bottom shows 'Scale: 26 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White'. The bottom navigation bar includes icons for Refresh, Add, Delete, Rename, and Clone.

Change the following property values:

| 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. On the left, a tree view displays project structure under 'ACE Architect 02' including 'Batch Processing', 'Content Models', 'Invoices' (with 'local resources' and 'Extractors' sub-folders), '(data model)' (with 'Acme', 'Enid', 'Express', 'Spartan', 'Standard' sub-folders), 'Data Extraction', 'Global Resources', 'Infrastructure', and 'Reports'. The main workspace has tabs for 'Field Class', 'Weightings', 'Contents', and 'Advanced'. A toolbar at the top includes 'Save', 'Cancel', and 'Run Extraction' buttons. The 'Field Class' tab is active, showing a configuration pane with sections like 'General', 'Value Type' (String), 'Value Extractor' (Address Reference), 'Feature Extractor' ([Features] Ship To Reference), and 'Referenced Extract' ([Features] Ship To). Below this is a 'Context' section with 'Extractor' and 'Ship To' options. A dropdown menu is open over the 'Extractor' field, showing 'Invoices * (local resources)' as the selected item. The right side of the screen shows a preview of a document titled 'ACME | INTERNATIONAL' with shipping information for 'Acme International, Inc' and a bill-to section for 'Grooper Industries'. The bottom right shows a preview of an 'Invoice' with shipping and bill-to details. The bottom status bar indicates 'Scale: 26 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White'. The bottom navigation bar includes 'Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0' and a feature table with columns 'Feature', '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 software interface. The left sidebar displays the project structure under 'ACE Architect 02' with 'Invoices' selected. The main workspace shows the 'Field Class' configuration for the 'Ship To' extractor. The 'General' tab is active, showing settings like 'Value Type' (String), 'Value Extractor' (Address), and 'Feature Extractor' ([Features] Ship To). The 'Context Scope Options' section is expanded, showing 'Context Scope' (Zonal) and 'Context Zones' (2 Rectangle objects...). The 'Text View' panel on the right displays an invoice from 'ACME | INTERNATIONAL' to 'Grooper Industries' with shipping details. The 'Image View' panel shows the physical document with the same information.

The screenshot shows the ACE Architect 02 interface. On the left, the navigation tree includes 'ACE Architect 02', 'Batch Processing', 'Content Models' (selected), 'Invoices' (selected), '(local resources)', 'Extractors' (selected), 'Invoice Date', 'Ship To' (selected), and '[Features] Ship To'. Under 'Extractors', there are 'Extractors' (selected) and 'Ship To' (selected). Below 'Ship To' are 'Address' and 'Reference'. The main workspace shows 'Field Class' (selected), 'Weightings', 'Contents', and 'Advanced' tabs. A 'Save' button is present. The 'Run Extraction' button is highlighted. The 'Image View' tab is selected. A context zone window titled 'Context Zones' is open, showing 'Zone No' (Zone 2) and 'Region' (-1.25,-0.54):(0.73,0.13). It lists coordinates: Left (-1.25), Top (-0.54), Right (0.73), Bottom (0.13), Width (1.98), and Height (0.67). A detailed description of 'Left' is provided: 'Type: Double Default: 0' and 'The left edge of the rectangle.' To the right, a preview pane shows an invoice document with shipping information. At the bottom, status bars show 'Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0' and a feature matrix table.

E15 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 **Train As Positive**.
3. 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)
 - 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

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 : 33241728

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

Context Zones

Batch: Invoices

Value Page Confidence

| | | |
|-------------|---------------------|----|
| 123 South M | Train As Positive | F3 |
| 13900 N Har | Train As Negative | |
| 13900 N Har | Inspect Instance... | |

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

Refresh Add Delete Rename Clone

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

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 : 33241728

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

Context Scope Options

Context Scope Zonal
Context Zones (1 Rectangle)

Classify 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

| | | |
|----------------------|---|------------|
| 13900 N Harvey, E... | 1 | 100.0000 % |
|----------------------|---|------------|

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 values:

| 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

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

Document View Text View Instance 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
P.O. number : 291017081
Customer number : 18003406
Customer contact :
Currency : USD
Invoice amount : 1,727.13
Payment terms : Net 30 days

Our Reference
Date : 11/16/2008
Invoice number : 74451405
Ship-to Number : 18103943
Sales order no : 33241729
Delivery number : 6515616
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
 - Enid
 - Express
 - Spartan
 - Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field **Contents** **Advanced**

Save **Cancel** **Test Extraction**

General

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

Appearance

- Alignment
- Display Width
- Error Color
- Background Color
- Environment Colors

Referenced Extractor

Type: **Grooper Node**

When Type is set to 'Reference', specifies the node 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.

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

Page 1 / 01

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

Our Reference

| | | | |
|------------------|-------------|-----------------|------------|
| P.O. number | 201017081 | Date | 11/16/2008 |
| Customer number | 18003405 | Invoice number | 74451405 |
| Customer contact | 18103943 | Ship-to Number | 18103943 |
| Currency | USD | Sales order no | 33241729 |
| Invoice amount | 1,727.13 | Delivery number | 6515616 |
| Payment terms | Net 30 days | 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
 - Enid
 - 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

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

Page 1 / 01

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

Our Reference

| | | | |
|------------------|-------------|-----------------|------------|
| P.O. number | 201017081 | Date | 11/16/2008 |
| Customer number | 18003405 | Invoice number | 74451405 |
| Customer contact | 18103943 | Ship-to Number | 18103943 |
| Currency | USD | Sales order no | 33241729 |
| Invoice amount | 1,727.13 | Delivery number | 6515616 |
| Payment terms | Net 30 days | Freight carrier | |

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 values:

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

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

Content Models

Invoices

(local resources)

Extractors

(data model)

Acme

End

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

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

The main workspace is divided into several sections:

- Field Class**: A tabbed panel with tabs for Field Class, Weightings, Contents, and Advanced. It contains a "Save" button, a "Cancel" button, and a "Run Extraction" button.
- Image View**: Shows a preview of the extracted data. The preview area displays the header "ACME | INTERNATIONAL" and the body:

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
- Text View**: Shows the extracted data in a structured format. It includes sections for **Invoice** and **Ship To**, each with detailed information like Bill To, Ship To, and contact details.
- Page**: Shows "1 / 01".
- Feature Occurrences**: A status bar at the bottom indicating 0 occurrences.
- Feature**: A table with columns for Value, Page, Confidence, Count, CWF, CTC, CF, TF, IDF, and Weight.

The screenshot shows the ACE Architect 02 application interface. On the left, a tree view displays project structure under 'ACE Architect 02' including 'Batch Processing', 'Content Models', 'Invoices' (with 'Extractor' sub-items like 'Invoice Date', 'Remit To', 'Ship To'), and various system components. The main workspace has tabs for 'Field Class', 'Weightings', 'Contents', and 'Advanced'. A toolbar at the top includes 'Save', 'Cancel', and 'Run Extraction'. The 'Run Extraction' button is highlighted. The 'Image View' tab is active, showing a scanned document titled 'ACME | INTERNATIONAL' with address details: 'Acme International, Inc' at '123 South Main, Durham, NH 03824, Phone (603) 333-4444'. Below the document, 'Referenced Extract' dropdown lists items such as '(none)', 'Extractors • Remit To', 'Invoices • (local resources)', 'ACE Architect 02 • Content Models', 'Data Extraction • Data Types', 'Downloads', 'Training Materials', 'Base Types', 'Address', 'Phone Number', 'Features', and 'Invoice Number'. The 'Text View' tab is also visible. At the bottom, a table provides feature statistics: 'Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0'. A status bar at the bottom right indicates 'Scale: 26 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White'.

Change the following property value(s):

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

File Edit Tools Help

Refresh Add Delete Rename Clone

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 0 results in 0 ms

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 Date : 11/14/2008
P.O. number : 201017081
Customer number : 18003405
Customer contact :
Currency : USD
Our Reference
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 |
|---------|-------|-----|-----|----|----|-----|--------|
| | | | | | | | |

Batch: Invoices

Pattern

Value Page Confidence

1. Edit the pattern(s):

Value Pattern

`remit to|mail payment to|checks to`

Output Format

2. Select Standard (2).

3. Click on 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 | <input type="radio"/> | 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)
- Express (3)
- Spartan (4)

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

NUMBER OF PKGS: 0 WEIGHT 3.20
DATE SHIPPED: 11/11/2008
CARRIER: UPS GROUND REGIONAL
TRACKING NO: 1Z3018W70328242140
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

X ACCOUNT NUMBER DATE INVOICE NUMBER AMOUNT DUE

| |
|--|
| Scale: 34 % 2545px x 3274px 8.49" 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 (empty)
- Regional Settings (empty)
- Expression Lexicon (empty)
- 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 features set of [Microsoft .Net Framework Regular Expressions](#).

Batch: Invoices

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

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

PAGE 1 OF 1 ORIGINAL INVOICE<\r><\n>
STANDARD<\r><\n>
ACCOUNT NUMBER 872864830977706247310000051171000029010000771100000008121148<\n>
111EM 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: 2090001161<\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 QUANTITY ORDERED UNIT PRICE TOTAL<\r><\n>
2V620 FLASHLIGHT,D 8 5.07 40.56<\r><\n>
MANUFACTURER # IV2DM<\r><\n>
NUMBER OF PKGS: 0 WEIGHT: 3.20 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: 1Z3018W70328242140<\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

FuzzyRegEx

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

Image Text Fuzzy Extraction Visualizer

```

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 NVOICE 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: 1Z301W70328242140<\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>
87286483097770624731000005117100002901000077110000008121148<\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

FuzzyRegEx

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

Image Text Fuzzy Extraction Visualizer

```

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

```

OK Cancel

1i=0.25

```

<\n>

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

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

- File Bar:** File, Edit, Tools, Help.
- Toolbar:** Refresh, Add, Delete, Rename, Clone.
- Project Explorer:** ACE Architect 02, Batch Processing, Content Models, Invoices, (local resources), Extractors, (data model), Acme, End, Express, Spartan, Standard, Data Extraction, Global Resources, Infrastructure, Reports.
- General Tab:** Value Type: String, Value Extractor: Address Reference, Type: Reference, Editor: Address.
- Context Zones Dialog:**
 - Buttons:** OK, Cancel, Add..., Edit..., Delete.
 - Table:**

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

| | |
|--------|------|
| Left | -1 |
| Top | -0.5 |
| Right | 1 |
| Bottom | 0 |
| Width | 2 |
| Height | 0.5 |
 - Description:** Left, Type: Double, Default: 0, The left edge of the rectangle.
- Right Panel:** Shows a preview of the document with extracted address information and a page number of 1 / 01.
- Bottom Status Bar:** Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0.
- Bottom Navigation:** Feature, Count, CWF, CTC, CF, TF, IDF, Weight.

E15 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

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Invoice Date
 - Remit To
 - 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

General

- Value Type String
- 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

The screenshot shows the ACE Architect interface with the 'Invoices' field class selected. The 'Classifier Tuning' section has 'Smooth IDF' set to 'True'. The 'Context Zones' section shows a single '1 Rectangle' selected over the address '123 South Main, Durham, NH 03824'. The preview window on the right displays the extracted address information.

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Invoice Date
 - Remit To
 - 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

General

- 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

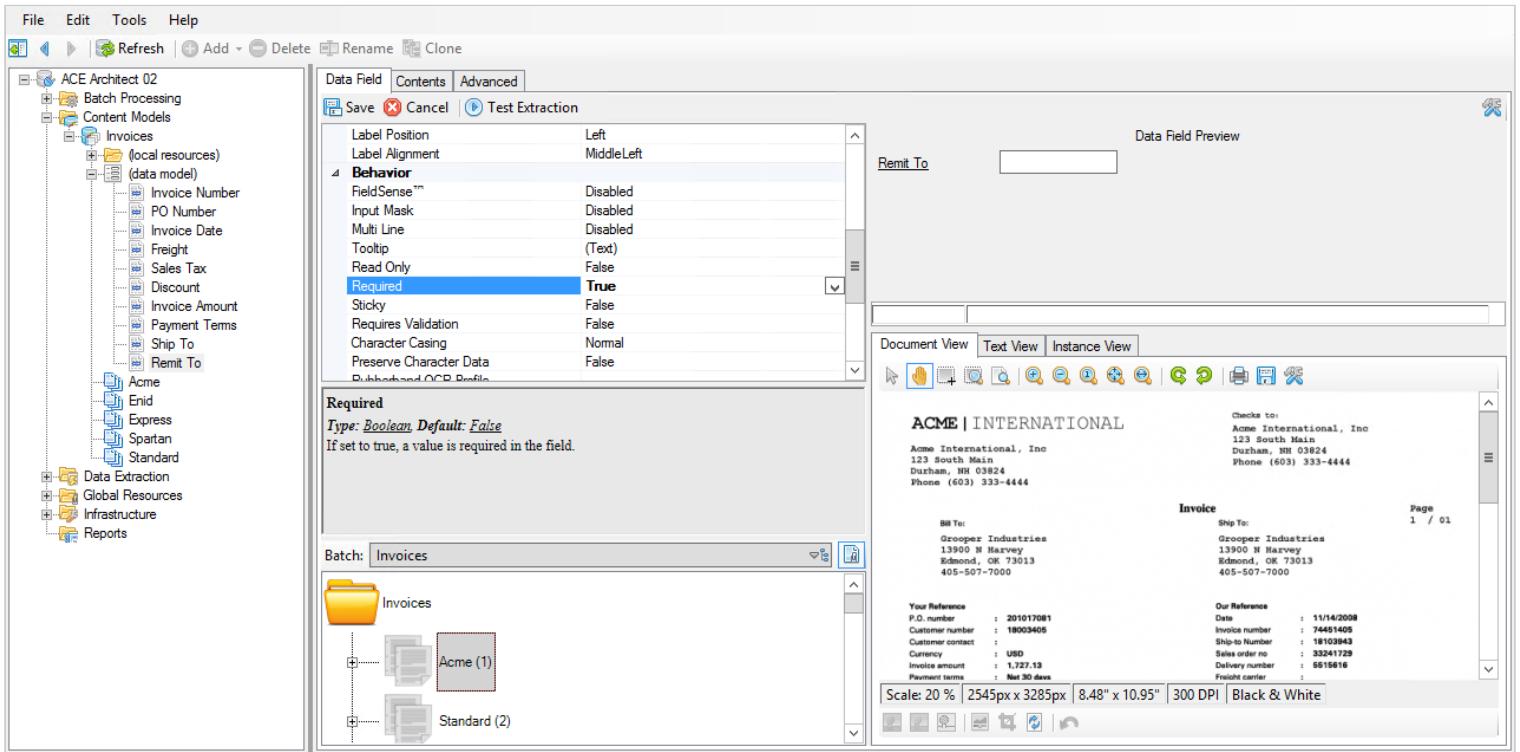
This screenshot is similar to the one above, but the 'Minimum Confidence' setting is explicitly set to 70%. The preview window shows the same address extraction results, but the confidence threshold is highlighted.

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 |

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 (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.
- Central Area:**
 - Data Field Tab:** Shows the 'Remit To' property being edited. It has a 'Type' dropdown set to 'Reference' and a 'Referenced Extractor' dropdown set to 'Remit To'. A 'Data Field Preview' window shows a blank input field.
 - Advanced Tab:** Shows the 'General' section with 'Value Type' set to 'String' and 'Value Extractor' set to 'Remit To'.
 - Properties View:** Shows the 'General' and 'Appearance' sections for the 'Remit To' property.
 - Object Tree:** Shows the 'Invoices' folder structure with 'Acme (1)' and 'Standard (2)' sub-folders.
- Right Area:**
 - Document View:** Displays an invoice document for 'ACME | INTERNATIONAL' with fields like 'Bill To', 'Ship To', and 'Invoice'.
 - Text View:** Displays the same invoice document in text format.
 - Instance View:** Displays the invoice document with specific values filled in.
 - Toolbars:** Check to, Document View, Text View, Instance View, Print, Copy, Paste, Find, Replace, Undo, Redo, etc.
 - Status Bar:** Scale: 20% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White.



Feature List

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

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

ACE Architect 02

Batch Processing

- Batches
 - Production
 - Test
 - Source
 - Production Clones
 - Invoices
- Control Sheets
- Processes
- Projects
- Content Models
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Batch

Save | Cancel | Clone To Production... | Pause

General

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

Batch Information

| | |
|----------------------------|--------------------|
| Created | 10/17/2018 4:42 PM |
| Created By | BISvdelk |
| 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

ACE Architect 02

Batch Processing

- Batches
 - Production
 - Test
 - Source
 - Production Clones
 - Invoices
- Control Sheets
- Processes
- Projects
- Content Models
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Invoices

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

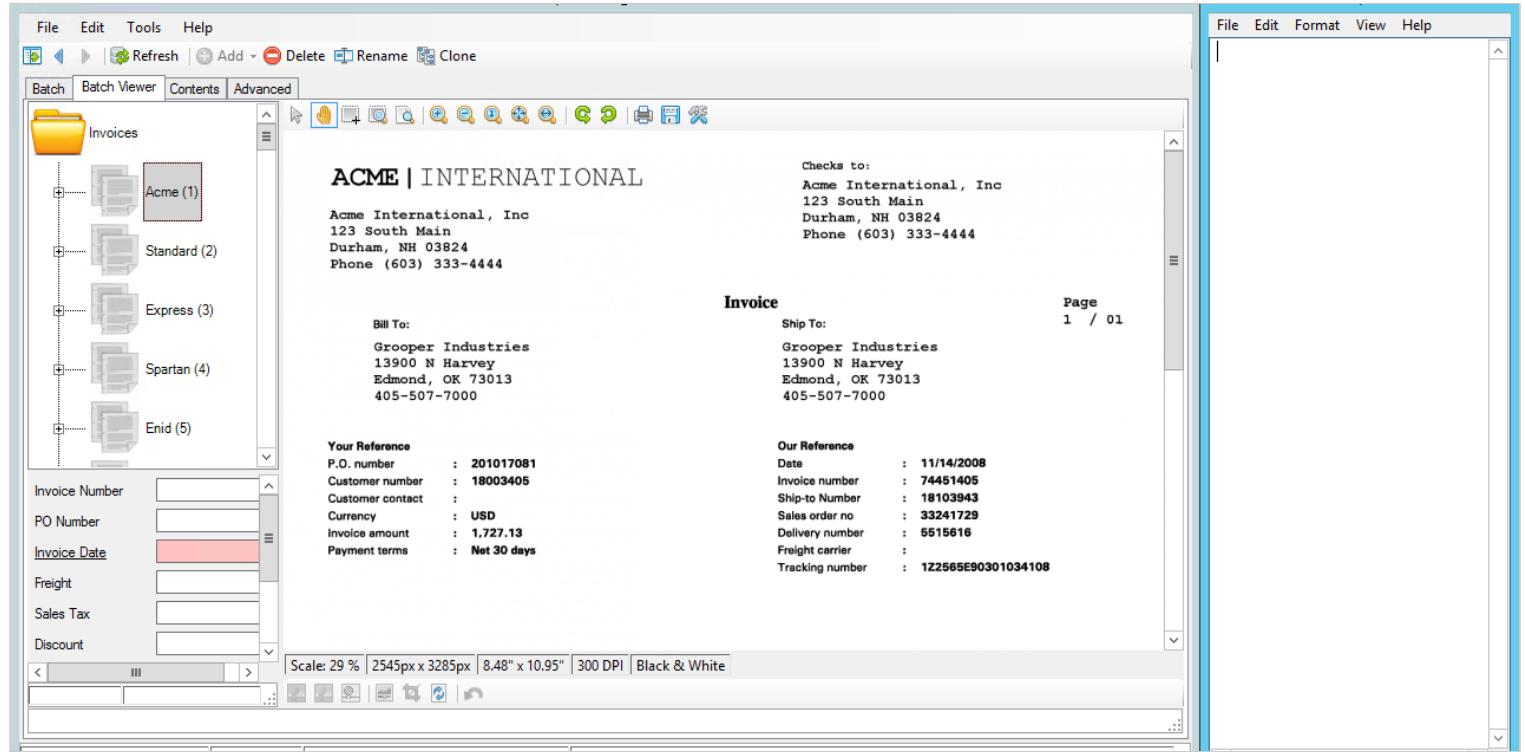
Your Reference

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

Our Reference

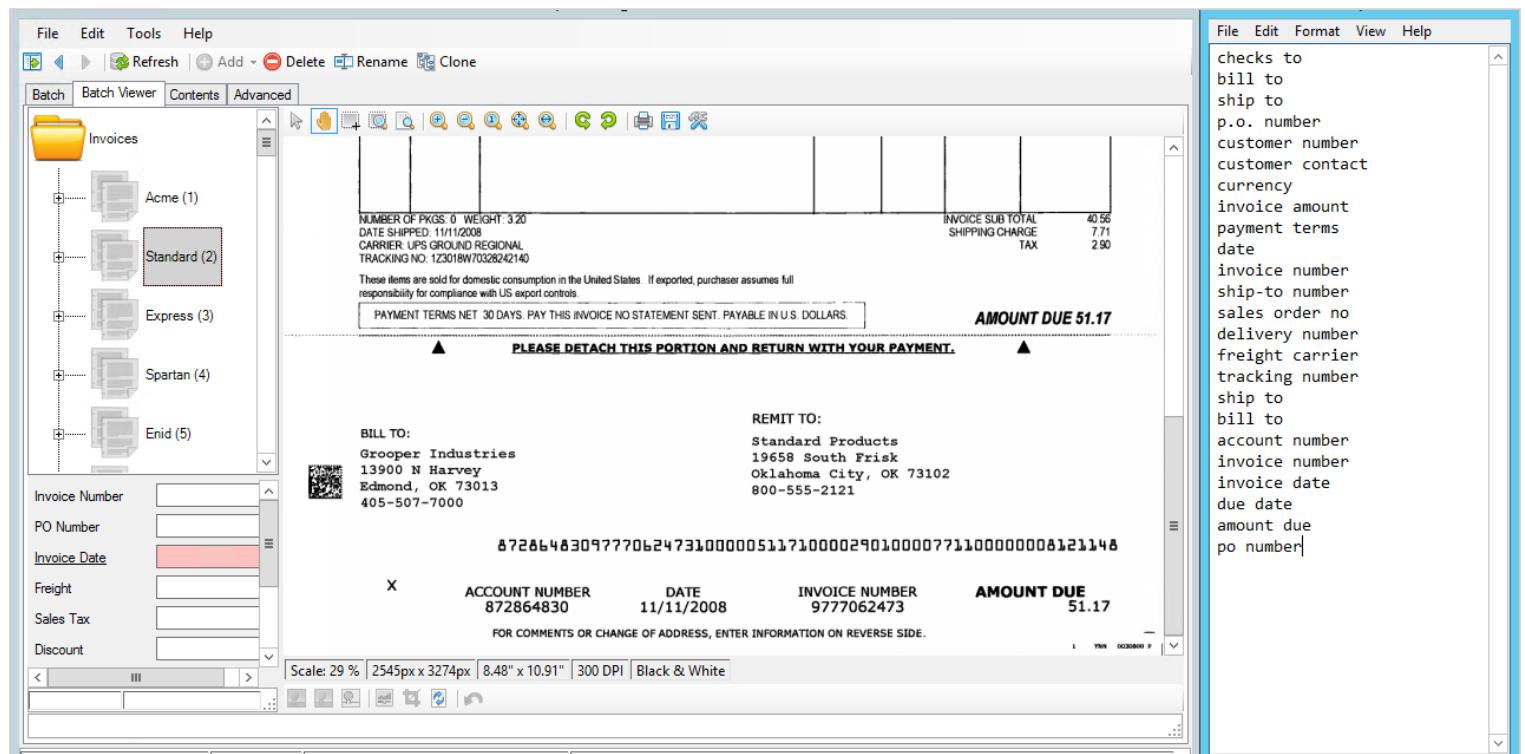
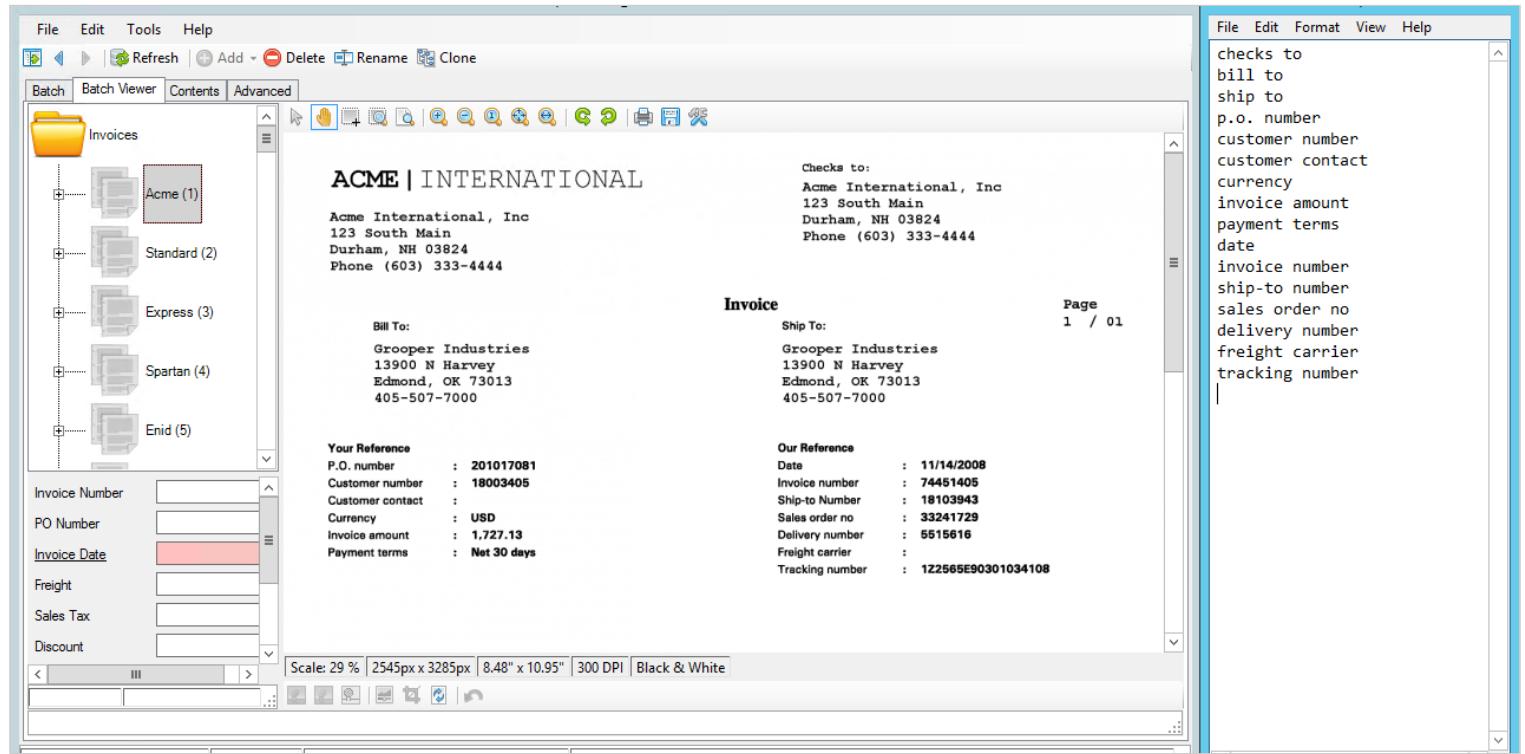
| | | |
|-----------------|---|--------------------|
| Date | : | 11/14/2008 |
| Invoice number | : | 74451405 |
| Ship-to Number | : | 18103943 |
| Sales order no | : | 33241729 |
| Delivery number | : | 5515616 |
| Freight carrier | : | |
| Tracking number | : | 122565E90301034108 |

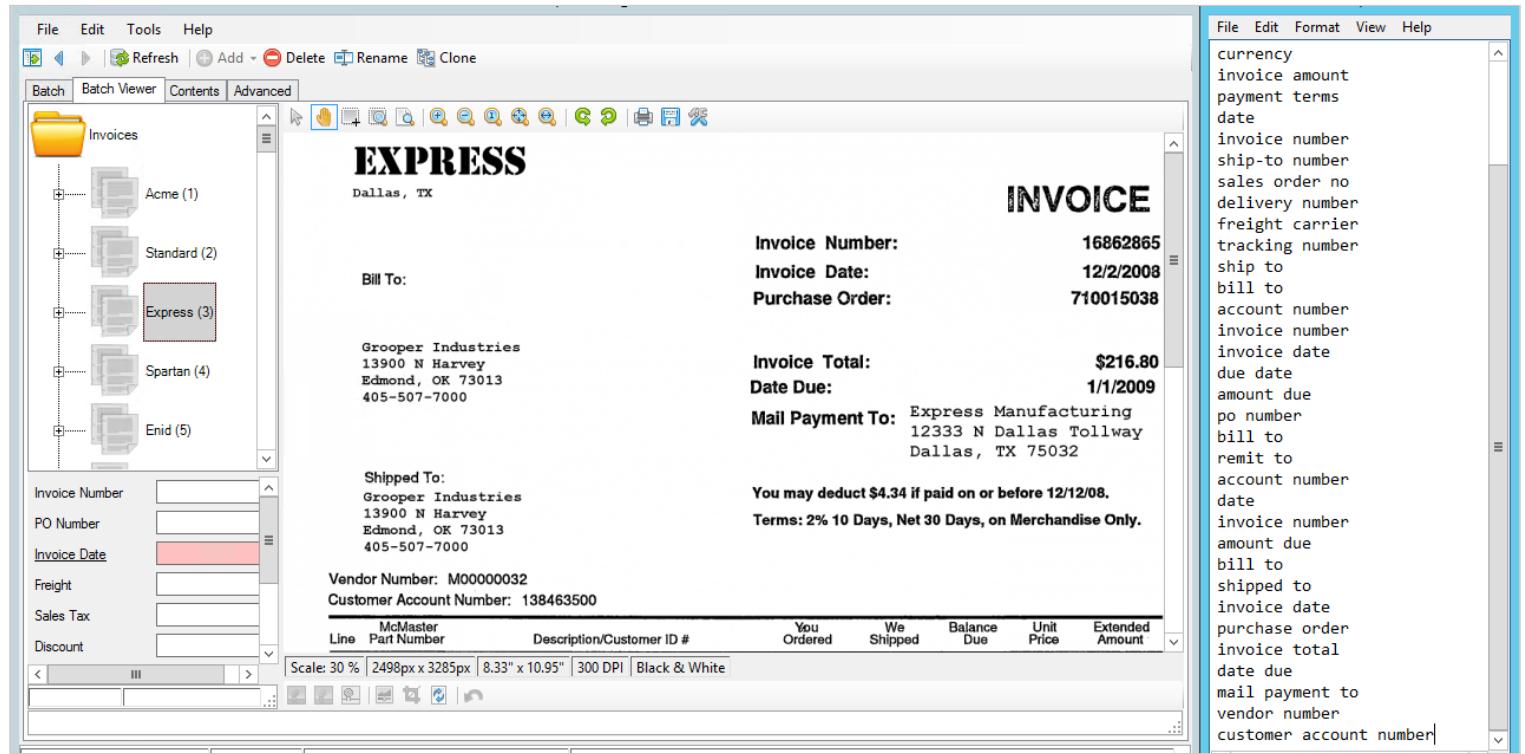
Scale: 28 % | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White



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

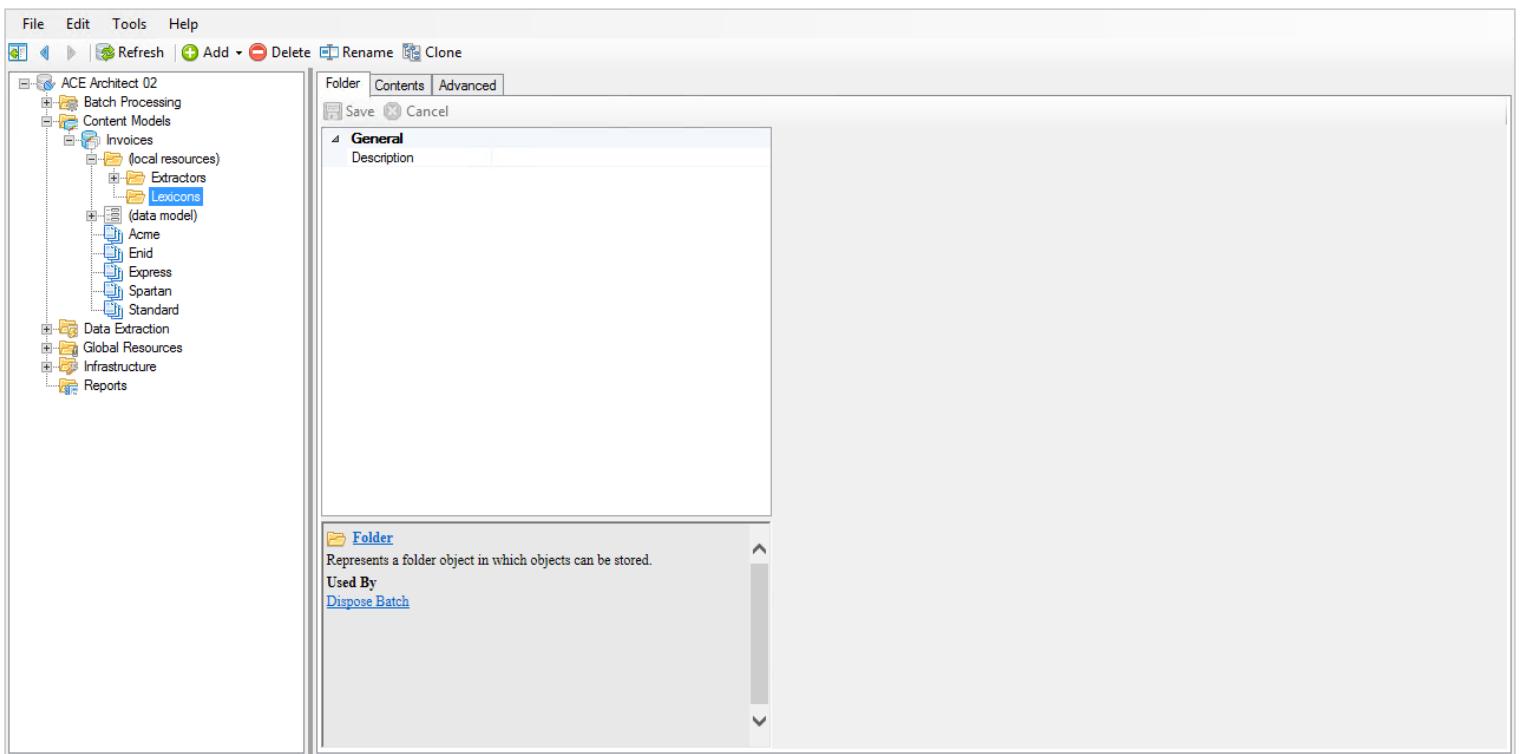
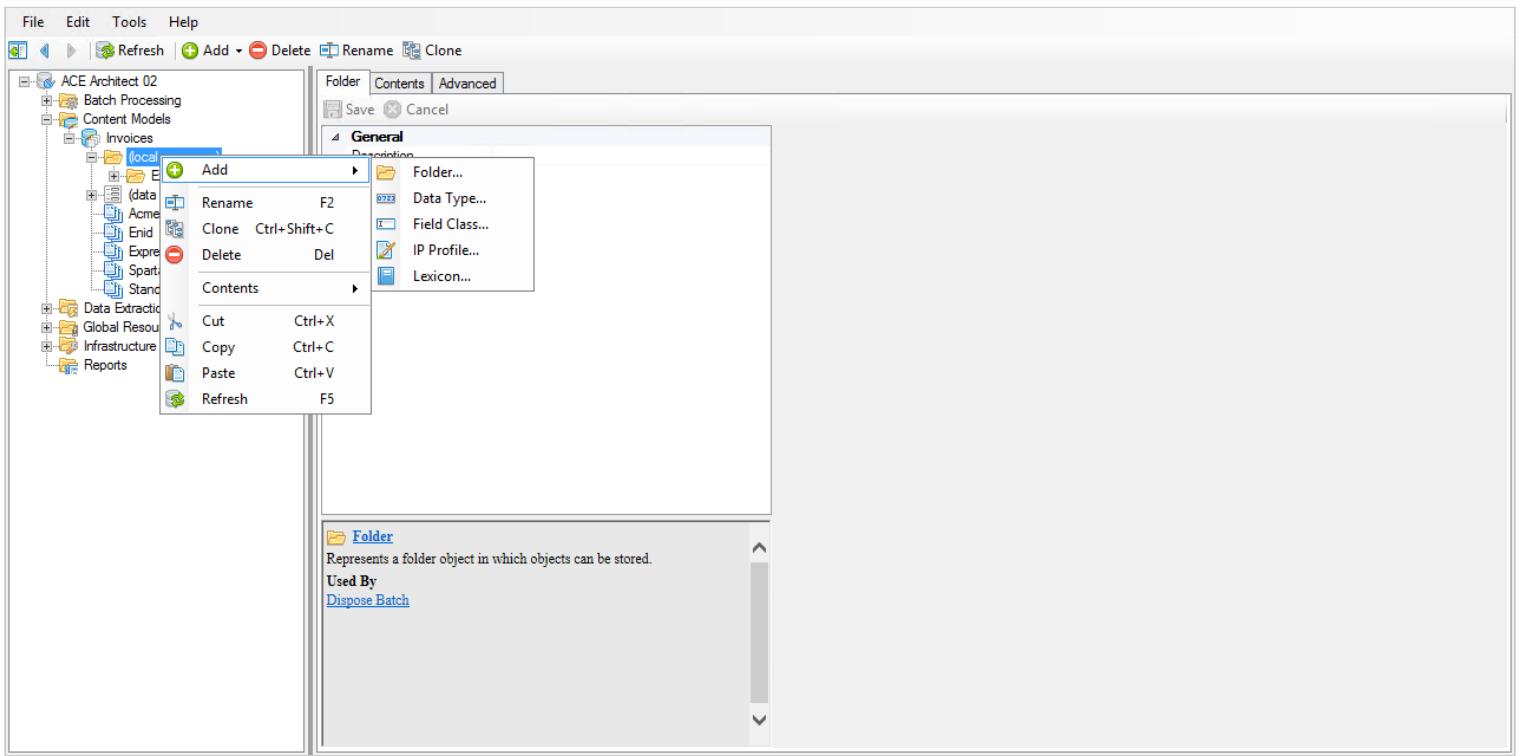
1. Select **Acme (1)**.
2. In Notepad, begin typing a list of all words and phrases used to identify invoice items.
3. Do this for the remaining four vendors.
4. When complete, copy everything in Notepad to your clipboard.
5. Restore the default Grooper Design Studio view.

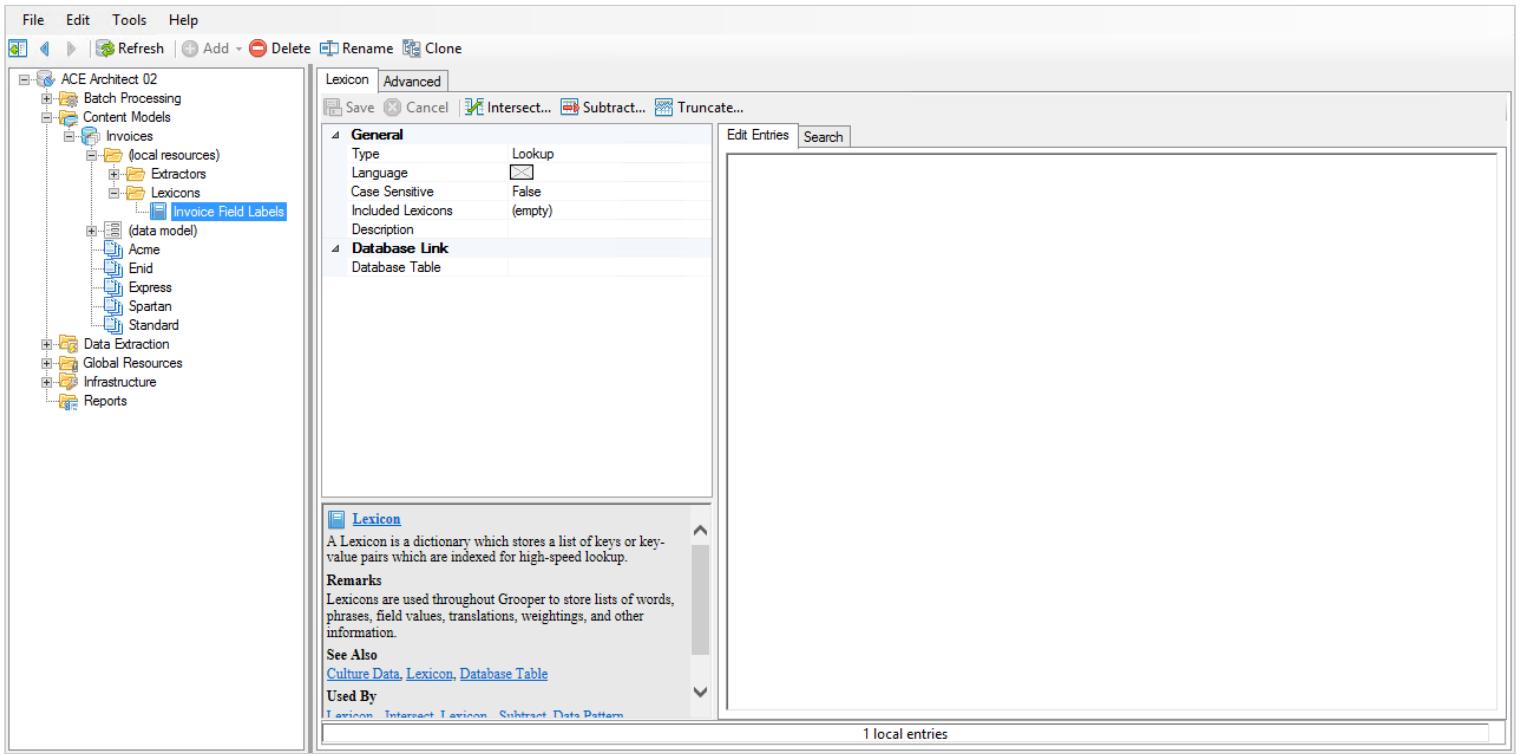




E15 Content Models / Invoices / **(local resources)**

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**.





E15 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 | <input style="width: 20px; height: 20px;" type="button" value="..."/> |
| Case Sensitive | False |
| Included Lexicons | (empty) |
| Description | |

Database Link

| |
|----------------|
| Database Table |
|----------------|

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

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](#), [Invoicing](#), [Invoice](#), [Customer Data Pattern](#)

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

Database Link

| |
|----------------|
| Database Table |
|----------------|

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

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](#), [Invoicing](#), [Invoice](#), [Customer Data Pattern](#)

Contextual Menu

- Select All Ctrl+A
- Undo Ctrl + Z
- Cut Ctrl+X
- Copy Ctrl+C
- Paste Ctrl+V
- Sort Ctrl+S
- Deduplicate Ctrl+D
- 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](#), [Intersect](#), [Lexicon](#), [Subtract](#), [Data Pattern](#)

E15 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 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 | |
| Case Sensitive | False |
| Included Lexicons | (empty) |

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

Edit Entries Search

1 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

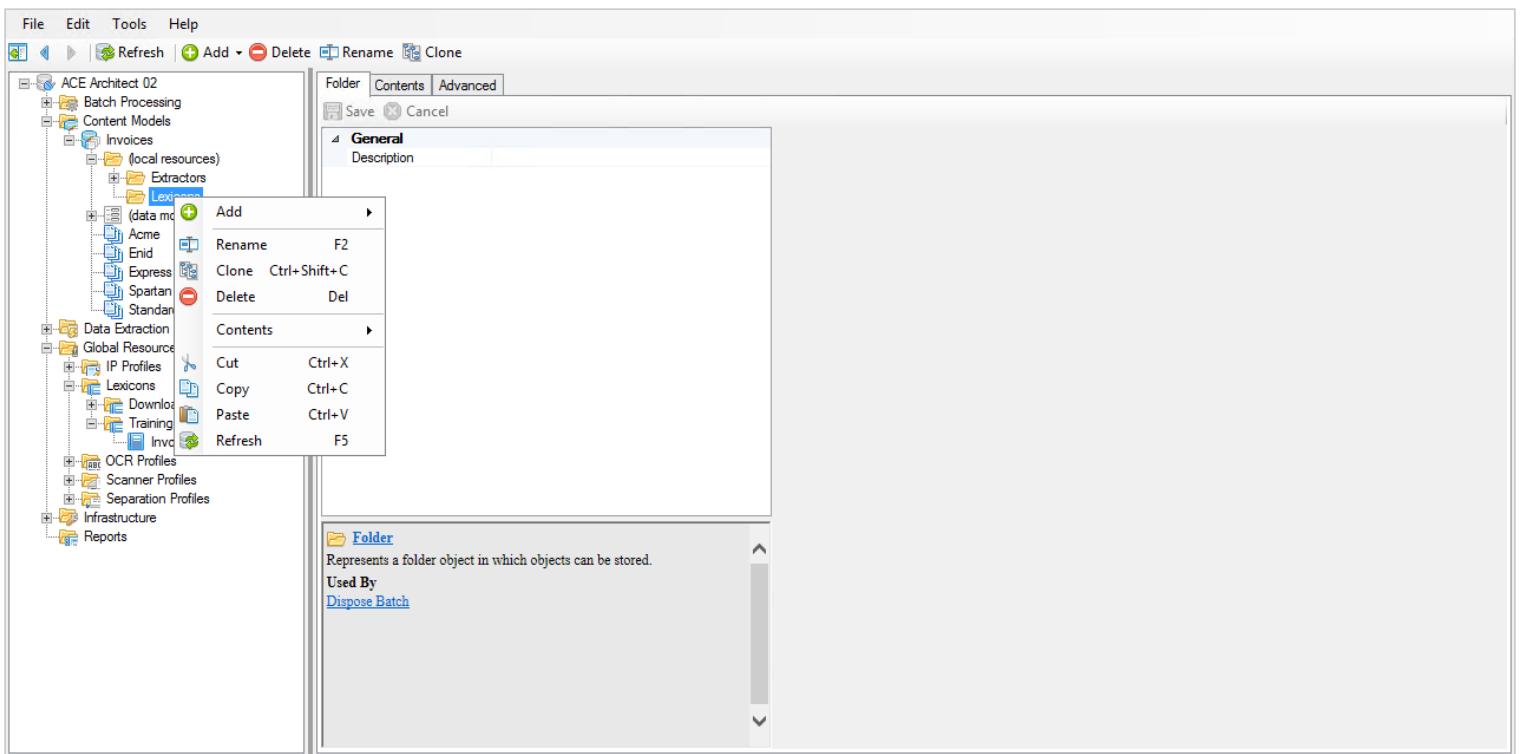
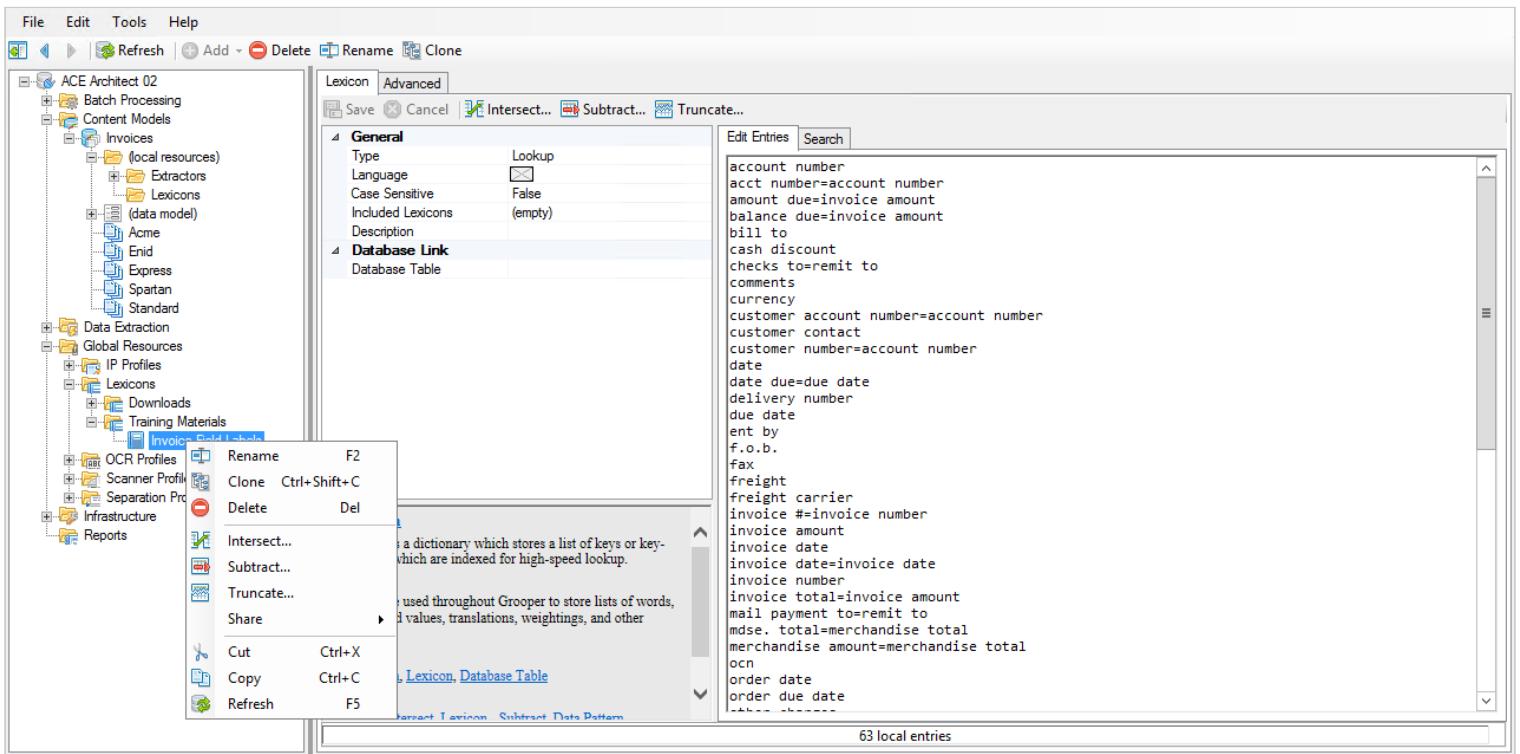
Lexicons are used throughout Grooper to store lists of words, phrases, field values, translations, weightings, and other information.

See Also

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

Used By

[Invoice](#), [Intersect](#), [Lexicon](#), [Subtract](#), [Data Pattern](#)



ACE Architect 02

Lexicon Advanced

General

- Type: **Lookup**
- Language: **English**
- 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

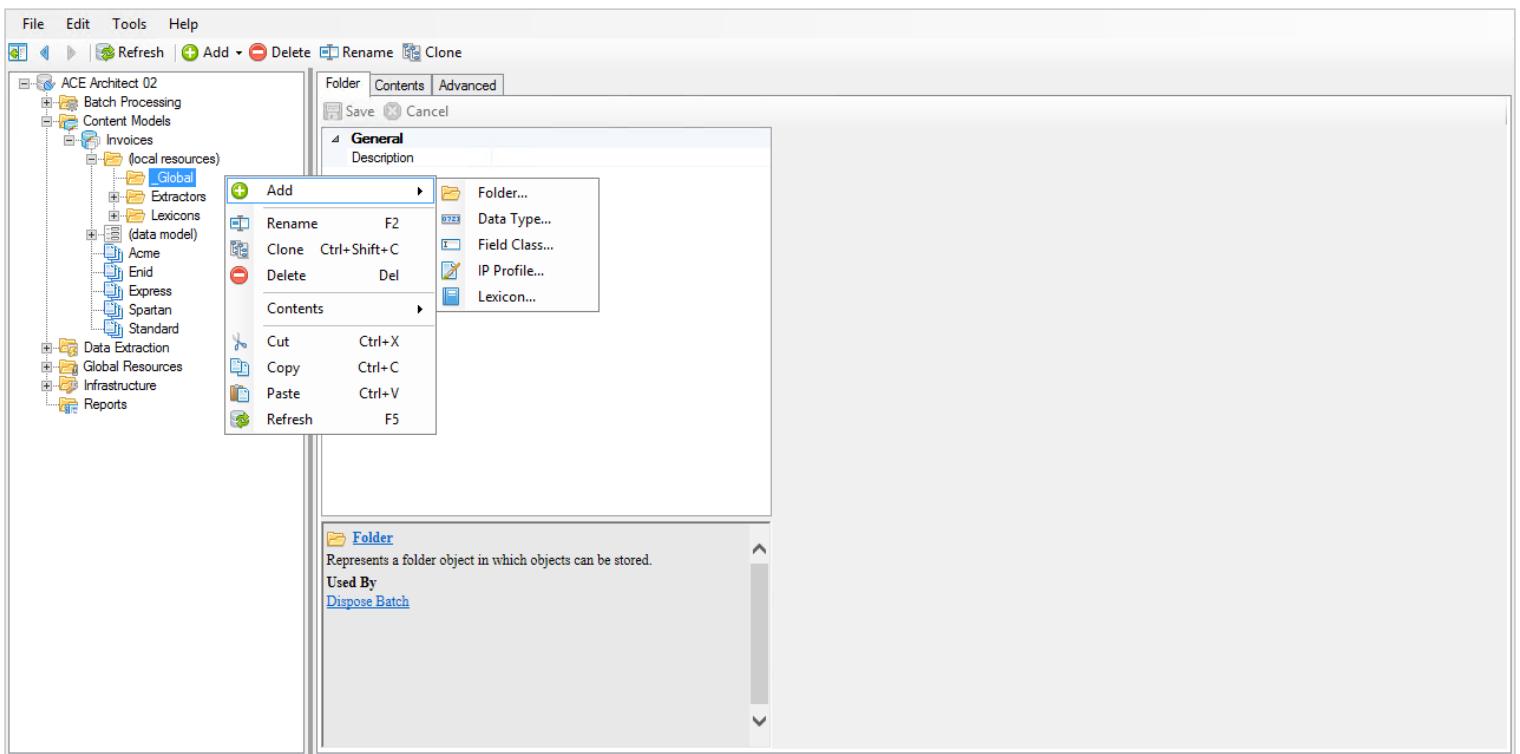
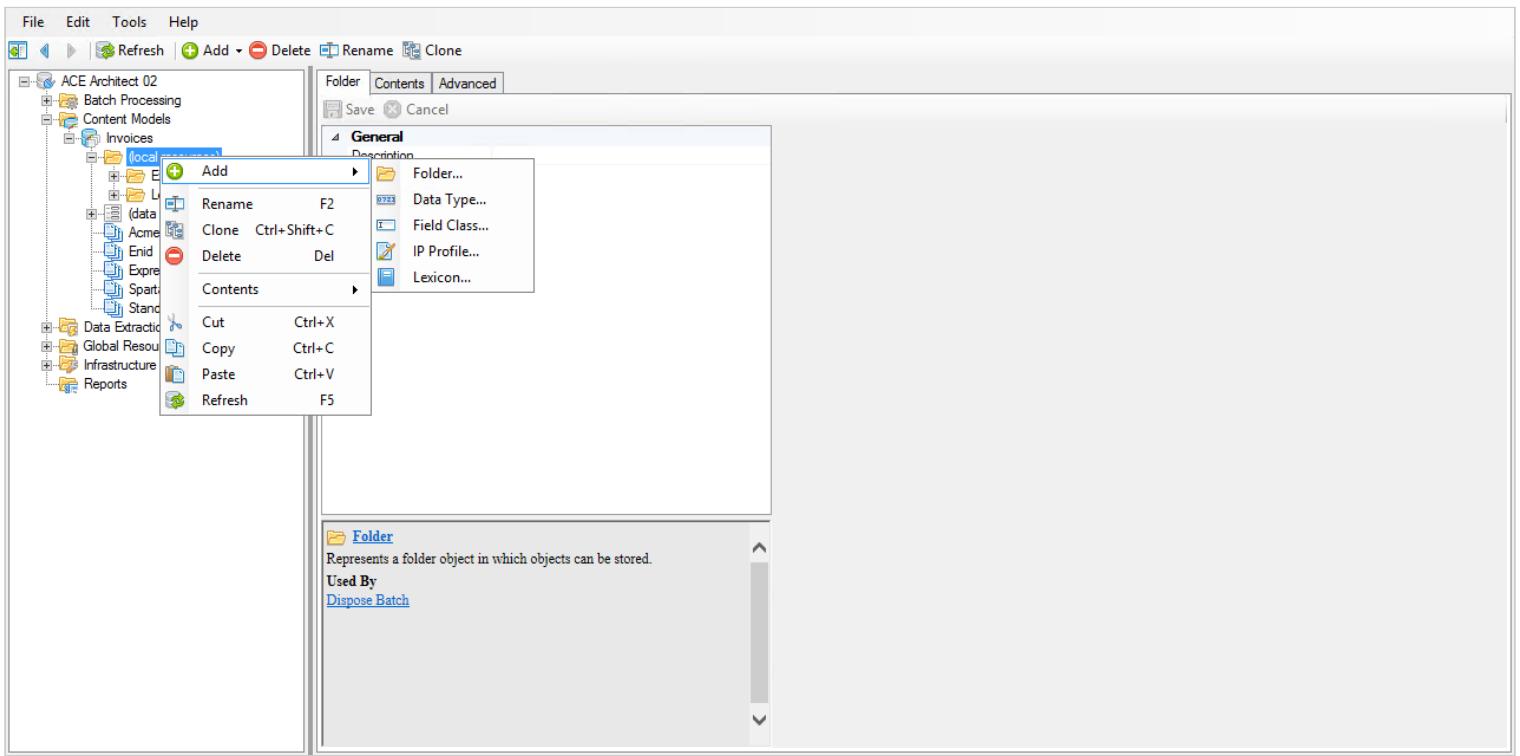
Used By

Invoice, Intersect, Lexicon, Subtract, Data Pattern

63 local entries

E15 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**.



File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - 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

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

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Chin-an Number : 18119843

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

Data Type

Batch: Invoices

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
 - 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

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

Our Reference
Date : 11/14/2008
Invoice number : 74451405
Chin-an Number : 18119843

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

Data Type

Batch: Invoices

Value Confidence Page No Index Length Extractor

1. Edit the pattern(s):

Value Pattern

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

2. Click on 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: `[^\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: (empty)

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

Pattern Editor Properties

91 results in 5 ms | Reference Material ▾

General

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

Regular Expression

- Value Pattern `[^\n\n\nV:]+`
- 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**

- 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% |

- Press **OK**.

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: [^\n\n\nV:]+
- 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

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

Exclusions

- Clean Key
- Porter Stemming

Included Lexicons

- Invoices • (local resources)
 - Global
 - Extractors
 - Lexicons
 - Invoice Field Labels
 - Global Resources • Lexicons

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 |

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: [^\n\n\nV:]+
- 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

- 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

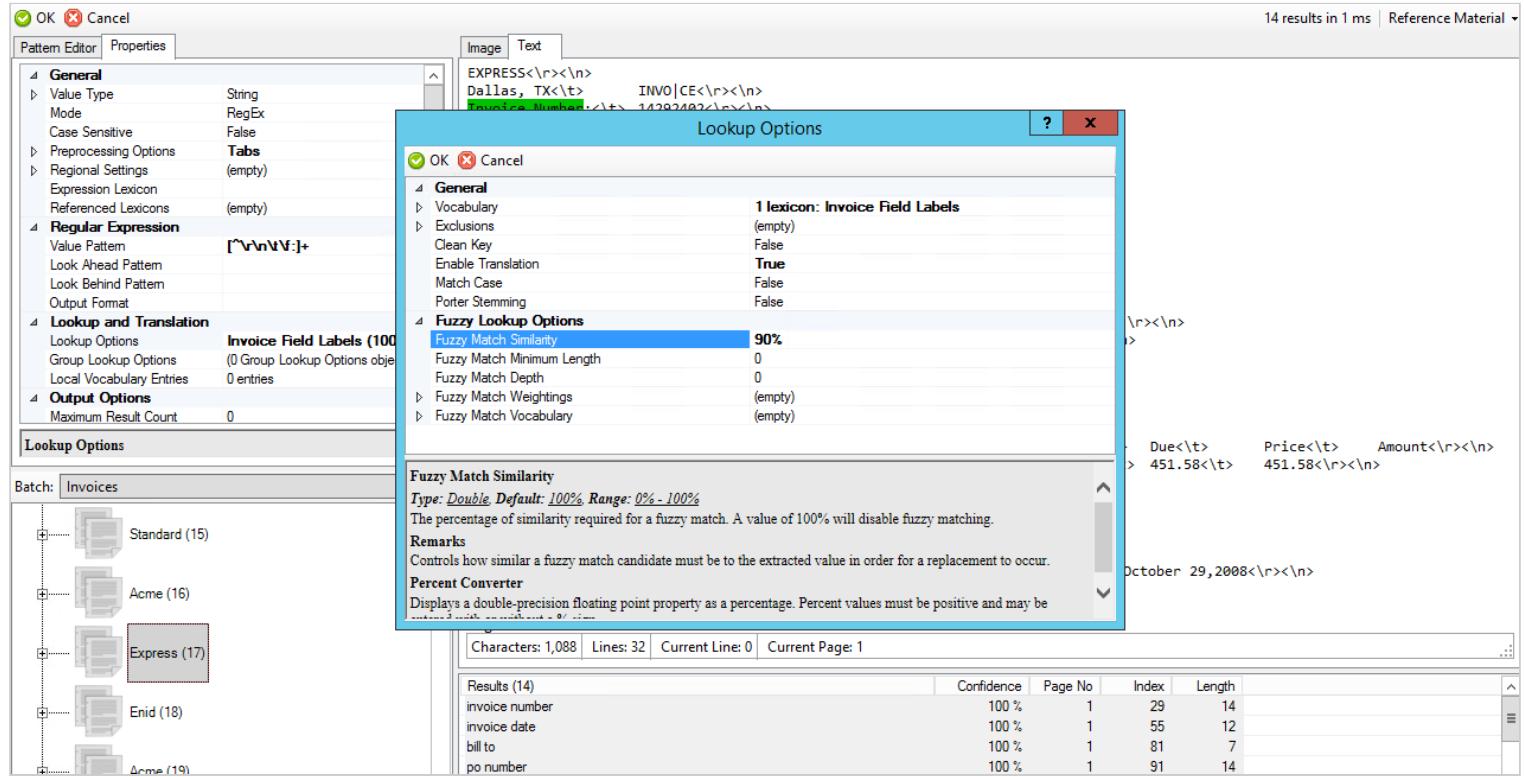
If enabled, values will be translated to the replacement values specified in the vocabulary.

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 |



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

- 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

Image Text

Regular Expression Value Pattern: `[^\n\nV:]+`

Lookup and Translation Invoice Field Labels (90%) (0 Group Lookup Options objects) 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)
- Enid (18)
- Acme (19)

Image Text

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

Shipped To:

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

Vendor Number: M00000032

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

| Results (16) | 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

Image Text

Regular Expression Value Pattern: `[^\n\nV:]+`

Lookup and Translation Invoice Field Labels (90%) (0 Group Lookup Options objects) 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)
- Enid (18)
- Acme (19)

Image Text

EXPRESS

Result Filter

Character Casing Case Filter: None Output Case: Lower

Page and Location Page 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

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.

INVOICE

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

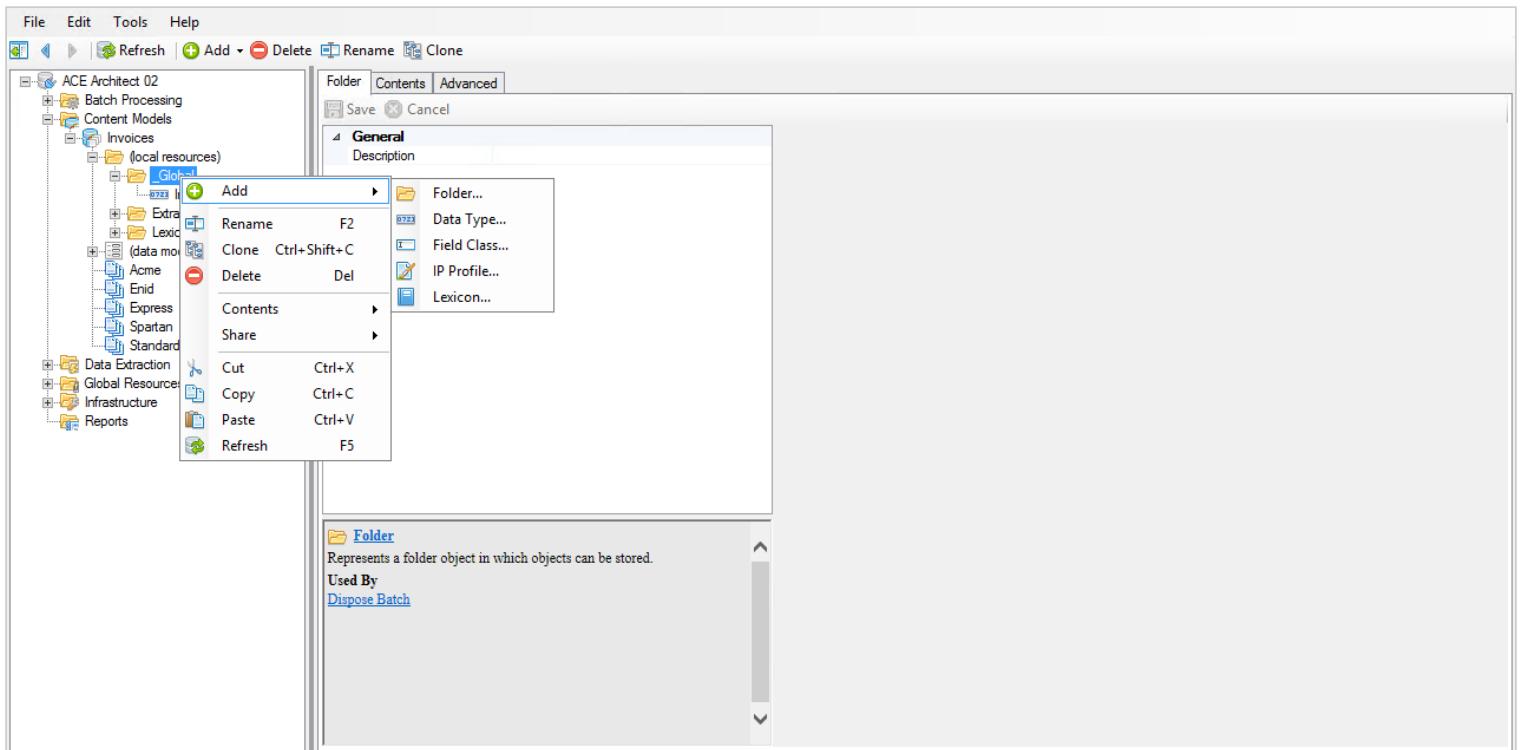
Total: \$458.97
Date Due: 11/28/2008

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.

| Results (16) | 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
 - 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 (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

- 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

E15 Content Models / Invoices / (local resources) / _Global / [Array] PO Number / Purchase

- Select Enid (5)
- 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

Save Cancel Generate...

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: 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 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 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

Save Cancel Generate...

Pattern Editor Properties

Value Pattern

1 purchase

Look Ahead Pattern

Look Behind Pattern

Output Format

po

OK: purchase

Batch: Invoices

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

Image **Text**

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 QUANTITY ORDERED QUANTITY SHIPPED STK UNIT PRICE UNIT DISCOUNT EXTENDED PRICE

7706.1052. 500.0000 Packing Slip No.: 100093121 Wheel - Carrier 3.2600 Gross 1630.000

500.0000 F ea

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

Results (1) Confidence Page No Index Length

po 100 % 1 322 8

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

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)

Image

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

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

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 NUMBER | ITEM DESCRIPTION |
|------------------------|---|
| 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)

| 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

ACE Architect 02

Refresh Add Delete Rename Clone

Data Type Scripting Contents Advanced

Save Cancel Run Extraction

2 results in 1 ms

Image View Text View

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

Results (2)

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

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 | QUANTITY SHIPPED | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE | | |
| 7706.1052. 500.0000 | 500.0000 | F ea | Packing Slip No.: 100093121 Wheel - Carrier 3.2600 Gross | | 1630.000 | | |

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

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

File Edit Tools Help

Refresh Add Delete Rename Clone

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

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 | 500.0000 | F ea | Packing 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

E15 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

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

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 | 500.0000 | F ea | Packing 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
 - 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
 - Horizontal Layout Disabled
 - Vertical Layout Enabled Maximum Distance 0.25 Alignment Center Alignment Tolerance 0.1
- Ordered Array
- Flow Layout
- Combine Method
- Result Separator

Confirmation

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

Yes No

Image 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

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

ea

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

Result Separator

Batch: Invoices

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

Results (1)

po number Confidence Page No Index Length Extractor

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

Confirmation

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

Yes No

Image 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

Result Separator

Batch: Invoices

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

Results (1)

po number Confidence Page No Index Length Extractor

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\f]+
- 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

- 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

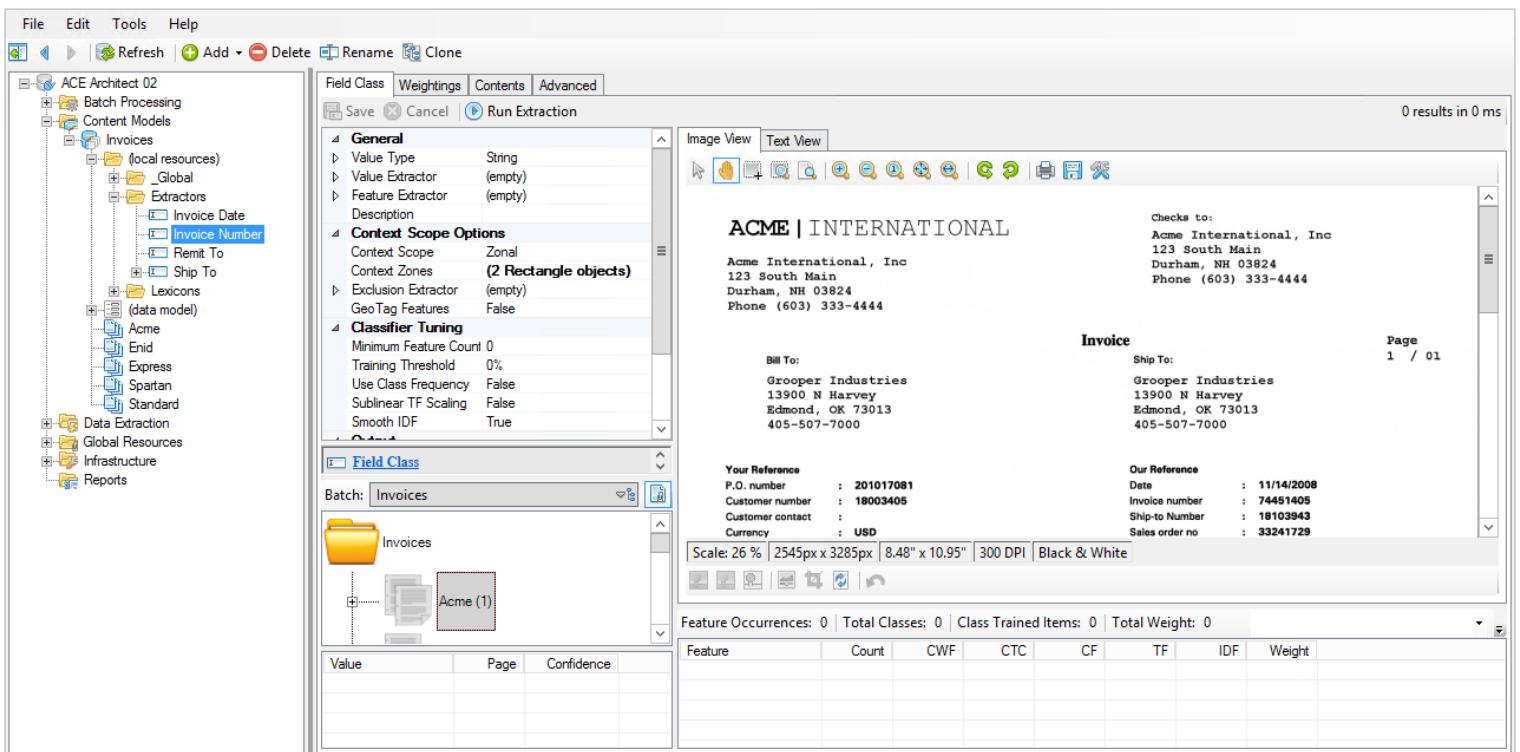
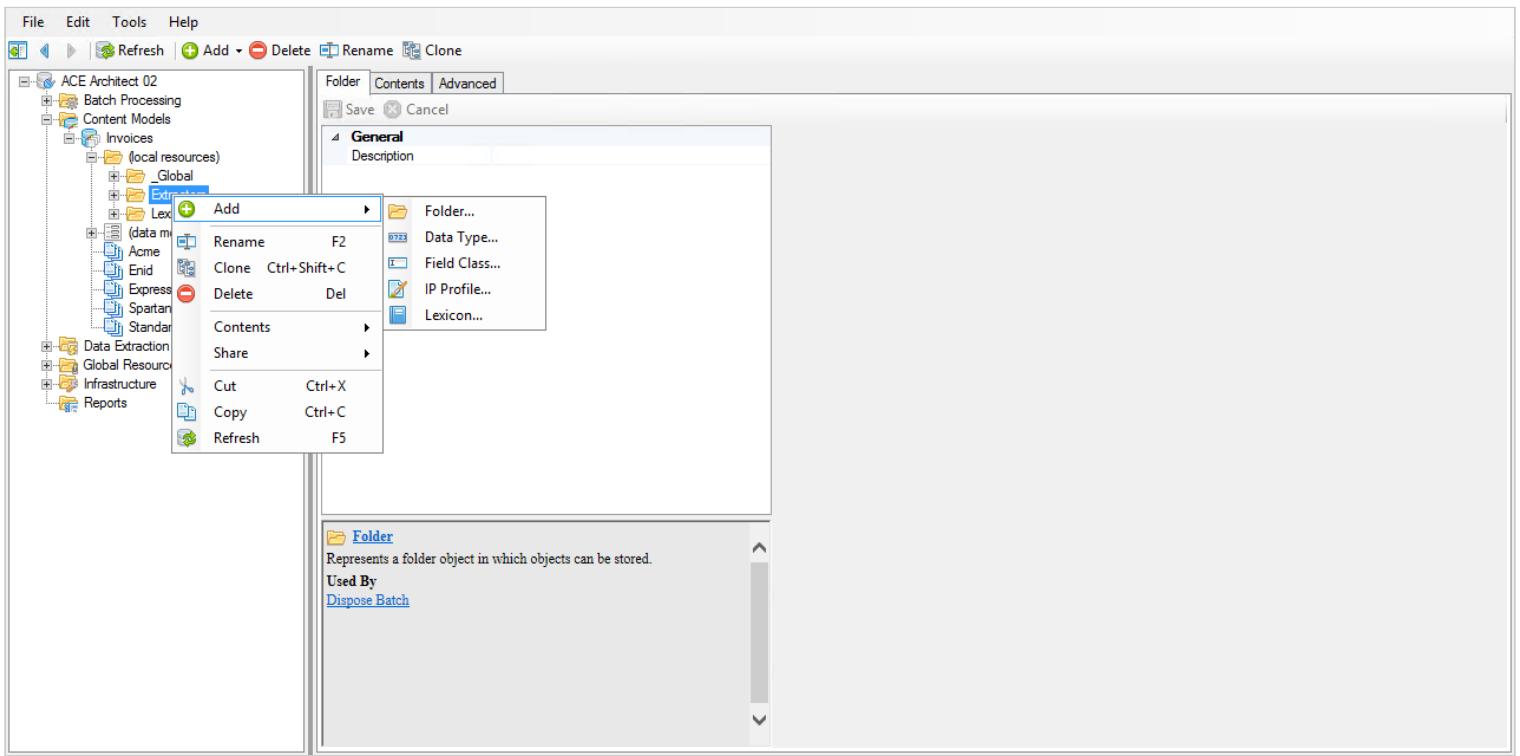
Results (16)

| | 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**

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
- 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

Page 1 / 01

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

Ship To:
Grocer 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

Batch: Invoices

DATA TYPE

Value Confidence Page No Index Length Extractor

Acme (1) Standard (2)

Edit the patterns 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

File Edit Tools Help

Refresh Add Delete Rename Clone

Data Format Contents Advanced

Save Cancel Generate...

10 results in 3 ms Reference Material

Pattern Editor Properties

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

Look Ahead Pattern

Look Behind Pattern

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

Batch: Invoices

Invoices

Acme (1)

Standard (2)

Express (3)

ACME | INTERNATIONAL

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

Invoice
Ship To:
Gropper 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 : 8515616
Freight carrier :

Scale: 25 % 2545px x 3285px 8.48" 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 | |

ACE Architect 02

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

Look Ahead Pattern
1

Look Behind Pattern
1

Output Format
{1}:{2:Number}
OK: ([A-Z]{3})/([0-9]{8})

Batch: Invoices

- Express (3)
- Spartan (4)
- Enid (5) **Selected**
- Express (6)

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 73073

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 |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100049765 | 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

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

Results (1)
CSI10076138

Confidence Page No Index Length
100 % 1 49 12

ACE Architect 02

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 [A-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]{2})/([0-9]{6})

Batch: Invoices

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

Image **Text**

Spartan

Manufacturing

INVOICE

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

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

Phone: (800) 111-2222
Fax: (308) 333-1182

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 TAKEN BY: DN
11/10/08 1% 10&25thNET 30 11/10/08 SHIP VIA DIRECT SHIP RAIL CARRIERS ACC# NUMBER 194306-01 FOB PPA
10/24/08 OCN: 409171 COMMENTS VAS FREIGHT MA20 ONLY

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

Results (2)
MA20-552100
MA20-201011

Confidence Page No Index Length
100 % 1 215 11
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.

ACE Architect 02

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**

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 | : | |

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**

ACE Architect 02

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**

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 | : | |

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 10 results in 11 ms

General

- Value Type String
- Value Extractor [Values] Invoice Number
 - Type Reference
 - Referenced Extract [Values] Invoice Number
- Feature Extractor Invoice Field Labels
 - Type Reference
 - Referenced Extract 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 n/a

Referenced Extractor

Batch: Invoices

Value Page Confidence

| Value | Page | Confidence |
|----------|------|------------|
| 000020 | 1 | 0.0000 % |
| 103003 | 1 | 0.0000 % |
| 000021 | 1 | 0.0000 % |
| 18003405 | 1 | 0.0000 % |

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

Invoice details

| Item | Material Description | Quantity | Unit Price | Value |
|---------|--------------------------------|----------|------------|----------|
| 0000020 | GB.C103003-00001 BRACKET | 2 EA | 984.53 | 1,969.06 |
| 0000021 | WS.FREIGHT0231 Freight (Parts) | 1 AU | 861.47 | 1,722.93 |
| | 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 |

E5 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 10 results in 11 ms

General

- Value Type String
- Value Extractor [Values] Invoice Number
 - Type Reference
 - Referenced Extract [Values] Invoice Number
- Feature Extractor Invoice Field Labels
 - Type Reference
 - Referenced Extract 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 n/a

Referenced Extractor

Batch: Invoices

Value Page Confidence

| Value | Page | Confidence |
|----------|------|------------|
| 18103943 | F3 | 00 % |
| 74451405 | F3 | 00 % |
| 33241729 | F3 | 00 % |
| 5515616 | F3 | 00 % |

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

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

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.

Screenshot of the ACE Architect software interface showing the configuration of an Extractor for an Invoice Number.

The left sidebar shows the project structure under ACE Architect 02, including Content Models, Invoices, and various Extractors like Enid and Spartan.

The main workspace displays the configuration of an "Invoice Number" Extractor. The "General" tab shows the Value Type as String and the Value Extractor as "[Values] Invoice Number". The "Context Scope Options" tab shows the Context Scope as Zonal and the Context Zones as "(2 Rectangle objects)".

The "Image View" shows a sample document snippet with the text "INVOICE DATE 11/10/08 ORIGINAL INVOICE NUMBER MA20-552100".

The "Text View" shows the extracted features: "PO / RELEASE NUMBER 201011309".

The "Feature Occurrences" table at the bottom lists the extracted values and their confidence levels:

| Value | Page | Confidence |
|-------------|------|------------|
| MA20-552100 | 1 | 67.0231 % |
| 552100 | 1 | 67.0231 % |
| MA20-201011 | 1 | 0.0000 % |
| 201011309 | 1 | 0.0000 % |

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/Explain
 - 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 4 ms

 General

- Value Type String
- Value Extractor [Values] Invoice Number Reference

Image View Text View

Context Zones

?

x

 OK Cancel Add... Edit... Delete

| Zone No | Region |
|---------|---------------------|
| Zone 1 | (-4.0-02)(0.35,0.1) |
| Zone 2 | (-1.0-0.5)(1.0) |

 Left -4
 Top -0.02
 Right 0.35
 Bottom 0.1
 Width 4.35
 Height 0.12000000000000001

 TE
 ORIGINAL
 MBER
 100

 SE NUMBER
 9

 Spartan (4)

| Value | Page | Confidence |
|-------------|------|------------|
| MA20-552100 | 1 | 67.0231 % |
| 552100 | 1 | 67.0231 % |
| MA20-201011 | 1 | 0.0000 % |
| 201011309 | 1 | 0.0000 % |

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

 Feature Count CWF TF IDF Weight

| 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 |

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/Explain
 - 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 4 ms

 General

- Value Type String
- Value Extractor [Values] Invoice Number Reference

Image View Text View

Context Zones

?

x

 OK Cancel Add... Edit... Delete

| Zone No | Region |
|---------|-------------------------|
| Zone 1 | (-4.0-02)(0.35,0.1) |
| Zone 2 | (-1.0-0.25)(0.375,0.05) |

 Left -1
 Top -0.25
 Right 0.375
 Bottom 0.05
 Width 1.375
 Height 0.3

 TE
 ORIGINAL
 MBER
 100

 SE NUMBER
 9

 Spartan (4)

| Value | Page | Confidence |
|-------------|------|------------|
| MA20-552100 | 1 | 67.0231 % |
| 552100 | 1 | 67.0231 % |
| MA20-201011 | 1 | 0.0000 % |
| 201011309 | 1 | 0.0000 % |

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

 Feature Count CWF TF IDF Weight

| 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 |

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

INVOICE DATE
11/10/08 ORIGINAL

INVOICE NUMBER
MA20-552100

PO / RELEASE NUMBER
201011309

Image View Text View

General

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

Context Zones

Batch: Invoices

- Express (3)
- Spartan (4)

Value Page Confidence

| | | |
|-------------|---|------------|
| MA20-552100 | 1 | 100.0000 % |
| 552100 | 1 | 100.0000 % |
| MA20-201011 | 1 | 0.0000 % |
| 201011309 | 1 | 0.0000 % |

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 |

E15 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

Data Type Scripting Contents Advanced

Save Cancel Run Extraction 7 results in 2 ms

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

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

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

Deduplicate Locations

Batch: Invoices

Standard (2)

Express (3)

Spartan (4)

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 | Standard |

E3 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
 - 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 | 100.0000 % |

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 |

E15 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
- 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

Batch: Invoices

Invoices

- + Acme (1)
- + Standard (2)

Invoice Number

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 : 201017001
Customer number : 180004005
Customer contact : 18103943
Currency : USD
Invoice amount : 1,727.13
Payment terms : Net 30 days

Our Reference
Date : 11/14/2008
Invoice number : 744814005
Ship-to Number : 18103943
Sales order no : 33241728
Delivery number : 5515616
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
- Enid
- Express
- Spartan
- Standard
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Data Field **Contents** **Advanced**

Save **Cancel** **Test Extraction**

General

- Value Type: String
- Type: **Referenced Extractor**
- Value Extractor: **Invoice Number**
- Minimum Confidence: (none)
- 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

Referenced Extractor

Type: **Grooper Node**

When Type is set to 'Reference', properties are shared across all nodes of the type. This means that changes made to one node will affect all other nodes of the same type.

Property Type: **Grooper Node**

Grooper Nodes are objects which are referenceable from anywhere in the system. They are used to represent objects at every level of the tree structure.

All Grooper Node objects support a base set of properties and behaviors common to

Batch: Invoices

Invoices

- + Acme (1)
- + Standard (2)

Invoice Number

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

ACME | INTERNATIONAL

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

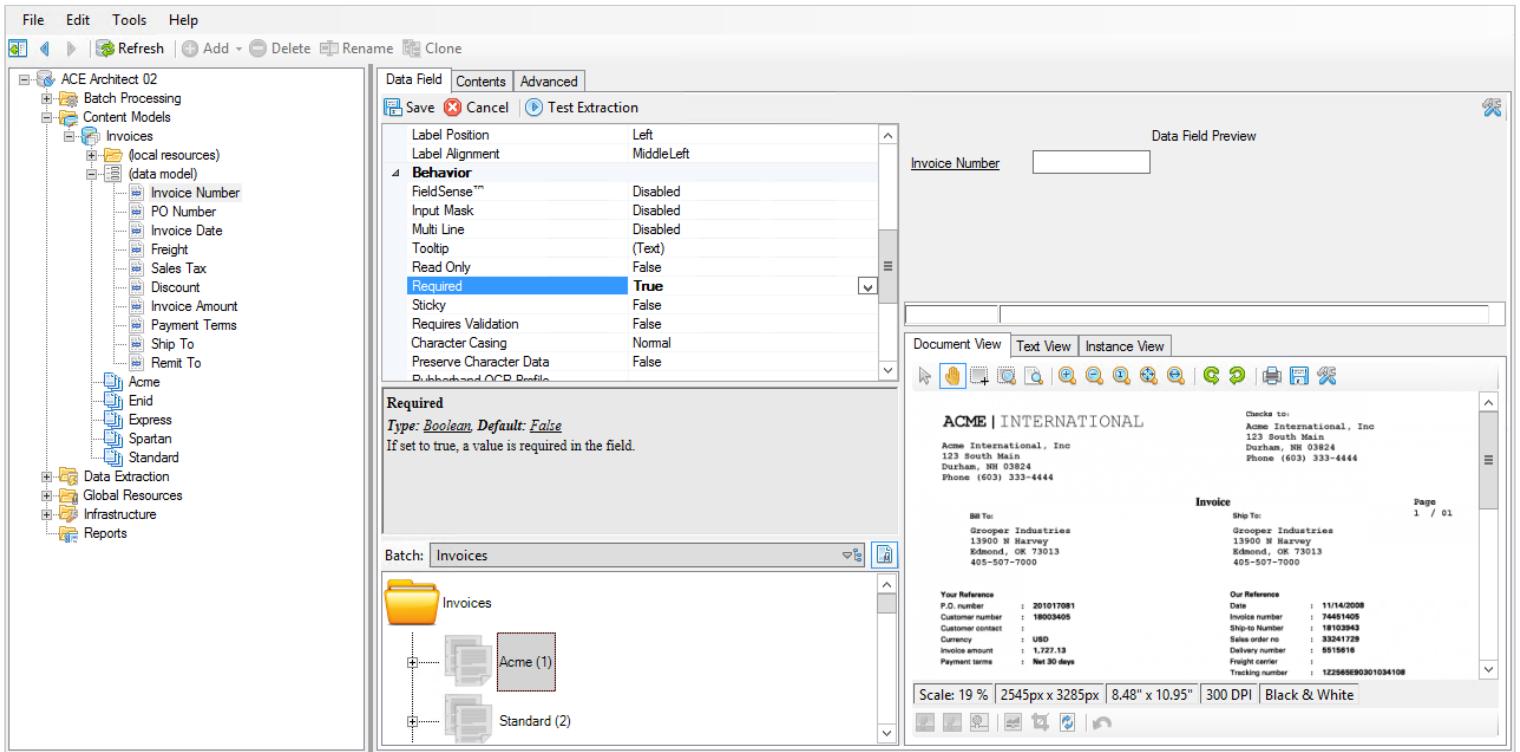
Bill To:
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

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

Your Reference
P.O. number : 201017001
Customer number : 180004005
Customer contact : 18103943
Currency : USD
Invoice amount : 1,727.13
Payment terms : Net 30 days

Our Reference
Date : 11/14/2008
Invoice number : 744814005
Ship-to Number : 18103943
Sales order no : 33241728
Delivery number : 5515616
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
 - 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: (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

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

Our Reference

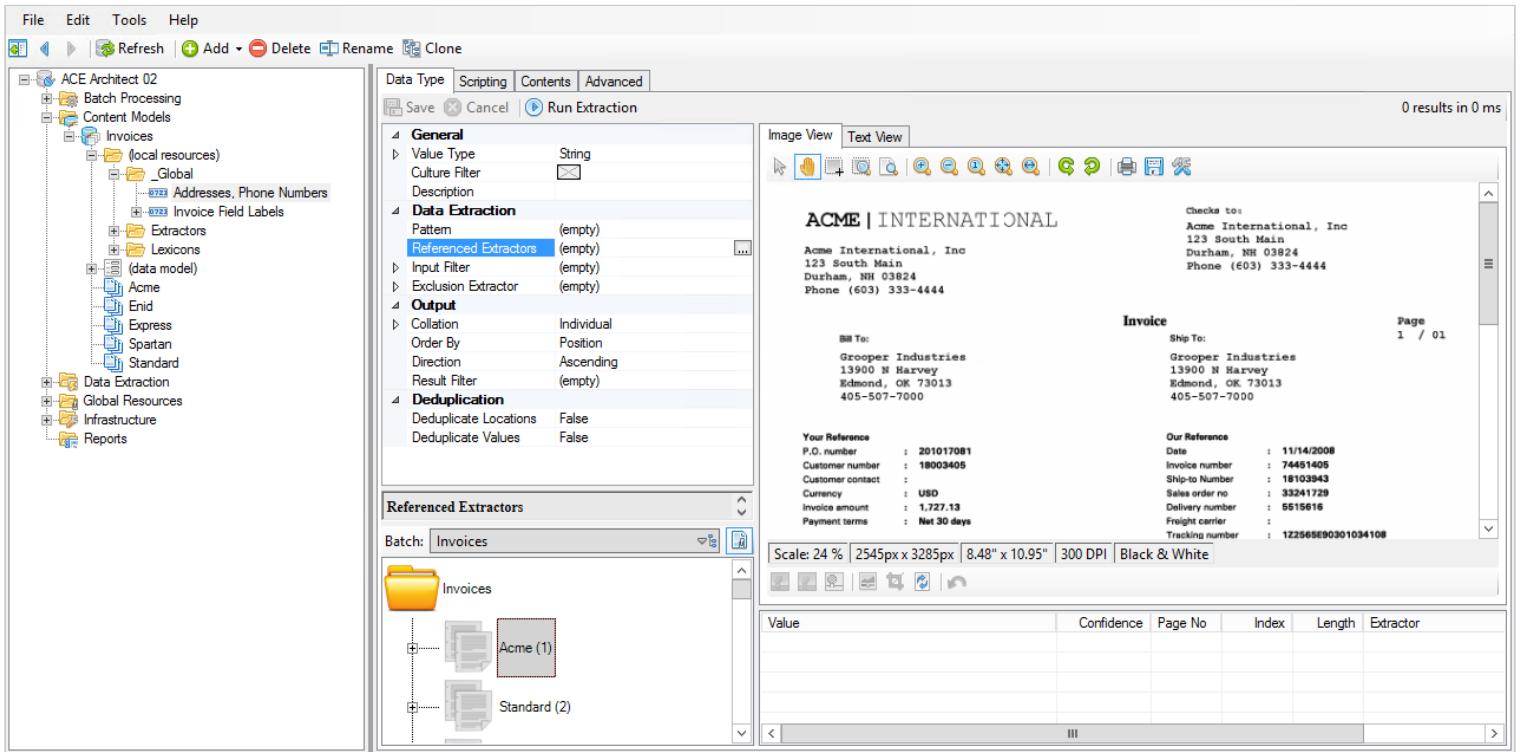
| | |
|-----------------|----------------------|
| Date | : 11/14/2008 |
| Invoice number | : 74451405 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241729 |
| Delivery number | : 551516 |
| Freight carrier | : |
| Tracking number | : 122565690301034108 |

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

Batch: Invoices

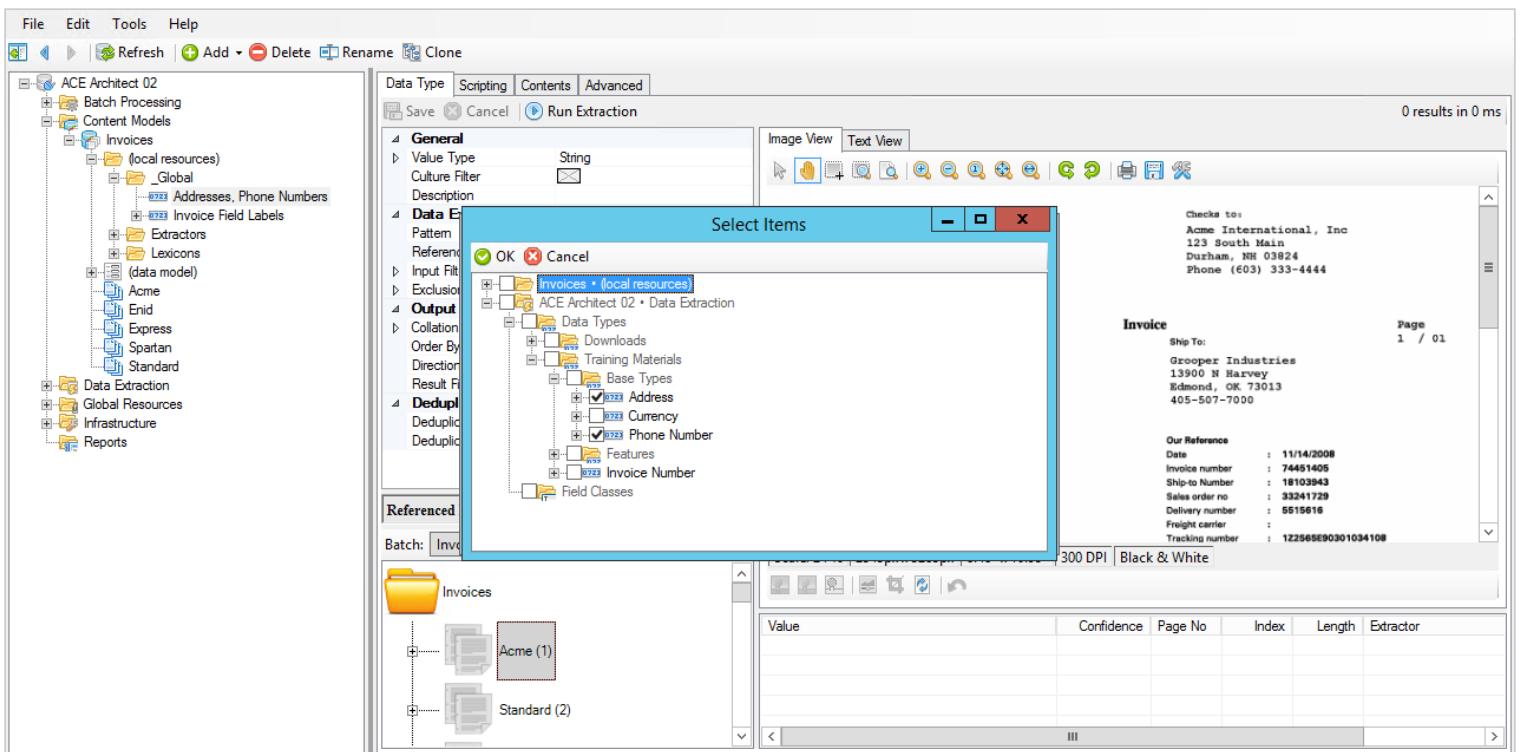
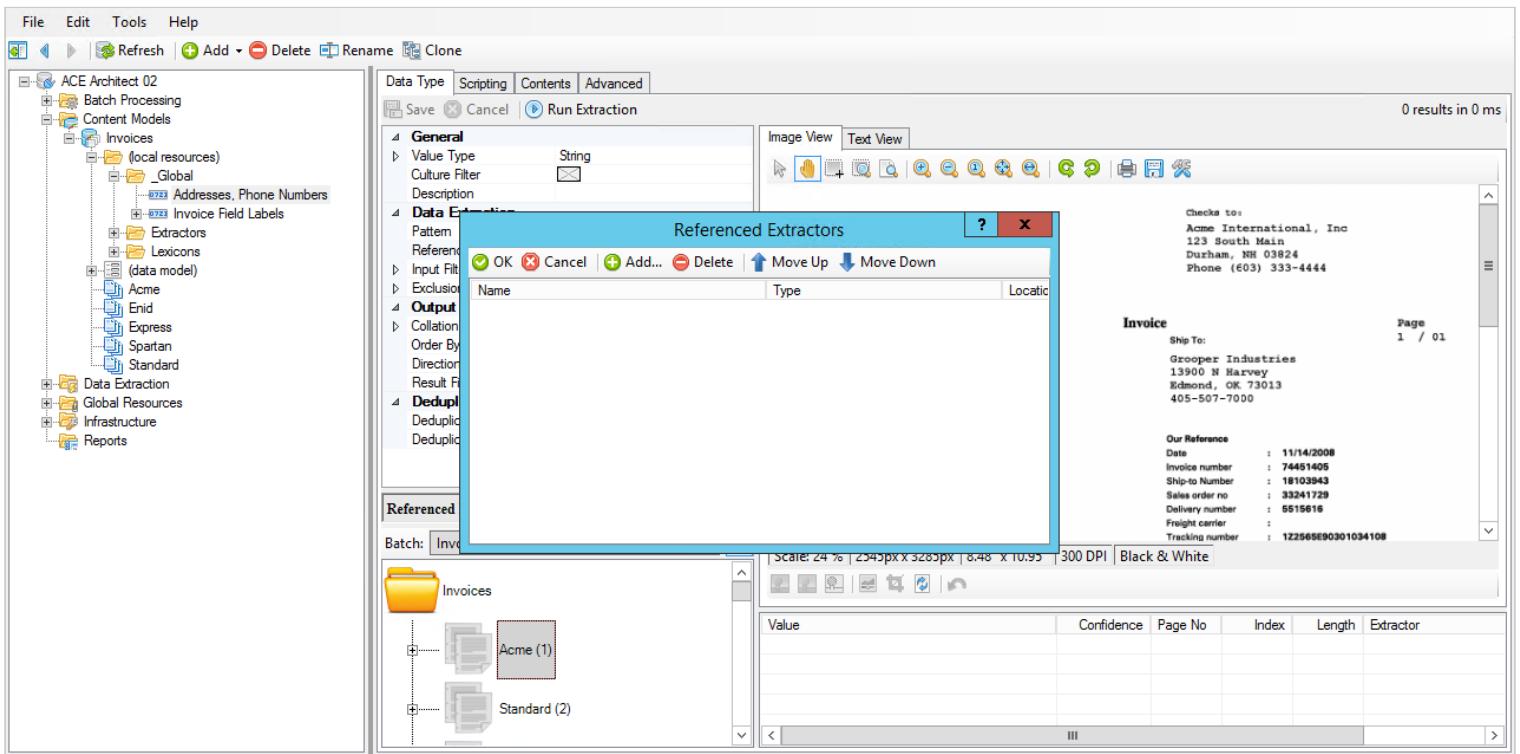
Value Confidence Page No Index Length Extractor

III



E15 Content Models / Invoices / (local resources) / _Global / Addresses, Phone Numbers

1. In the **Referenced Extractors** window, press **Add...**.
2. In the **Select Items** window, expand **(root) • 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

Invoices

- (local resources)
 - Global
 - Address, 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)

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

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 |

Batch: Invoices

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

Image View **Text View**

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 :
Tracking number : 122565690301034108

Value Confidence Page No Index Length Extractor

ACE Architect 02

Invoices

- (local resources)
 - Global
 - Address, 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 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

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

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 : 122565690301034108

Value Confidence Page No Index Length Extractor

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 02 interface with the following details:

- File Bar:** File, Edit, Tools, Help.
- Toolbar:** Refresh, Add, Delete, Rename, Clone.
- Left Sidebar:** Project tree showing ACE Architect 02, Batch Processing, Content Models, Invoices, (local resources), Global, Extractors, Invoice Date, Invoice Number, PO Number, Remit To, Ship To, Lexicons (data model), Acme, Enid, Express, Spartan, Standard, Data Extraction, Global Resources, Infrastructure, Reports.
- Central Panel:**
 - Field Class Tab:** General settings for PO Number, including Value Type (String), Value Extractor (empty), Feature Extractor (empty), and Context Scope Options (Zonal, 2 Rectangle objects).
 - Image View Tab:** Displays a scanned document of an invoice from "ACME | INTERNATIONAL". The document includes shipping and billing information for Grooper Industries.
 - Text View Tab:** Displays the extracted data in a structured format.
 - Buttons:** Save, Cancel, Run Extraction.
 - Bottom Buttons:** Scale, Rotate, Zoom, Fit, Print, Save, Copy, Paste, Find, Replace, Undo, Redo.
- Bottom Panel:**
 - Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0
 - Table: Feature (Value), Count, CWF, CTC, CF, TF, IDF, Weight.

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

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

Your Reference

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

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 | : | 122565690301034108 |

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

Data Type

Batch: Invoices

Pattern

Batch: Invoices

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

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

Your Reference

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

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 | : | 122565690301034108 |

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

Data Type

Batch: Invoices

Pattern

Batch: Invoices

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

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 | | |
| Type | None | Reference |
| Referenced Extractor | - | Addresses, Phone Numbers |

File Edit Tools Help

Refresh Add Delete Rename Clone

Save Cancel Run Extraction 23 results in 1 ms

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

General Value Type String

Data Extraction Pattern RegEx: [0-9]{4,16}

Referenced Extractors (empty)

Input Filter (empty)

Exclusion Extractor Addresses, Phone Numbers

Type Reference

Referenced Extractor Addresses, Phone Numbers

Output (none)

Collation Invoices • (local resources)

Order By Global

Direction Addresses, Phone Numbers

Result Filter Invoice Field Labels

Deduplicate Extractors

Deduplicate Lexicons

Deduplicate ACE Architect 02 • Content Models

Referenced Extractor Data Extraction • Data Types

Batch: Invoices

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 : 281017081

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 : 74481405

Ship-to Number : 18103943

Sales order no : 33241729

Delivery number : 5519816

Freight carrier :

Tracking number : 12258580301034108

Results (23)

| | Confidence | Page No | Index | Length | Extractor |
|-------|------------|---------|-------|--------|--------------------|
| 03824 | 100 % | 1 | 107 | 5 | [Values] PO Number |
| 4444 | 100 % | 1 | 145 | 4 | [Values] PO Number |
| 03824 | 100 % | 1 | 162 | 5 | [Values] PO Number |
| 4444 | 100 % | 1 | 185 | 4 | [Values] PO Number |
| 12300 | 100 % | 1 | 271 | 5 | [Values] PO Number |

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

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 0 results in 0 ms

General

- Value Type String
- Value Extractor [Values] PO Number Reference
- Type [Values] PO Number
- Referenced Extractor (none)
- Feature Extractor Description
- Context Context Scope
- Exclusion GeoTag Feature
- Classifier Minimum F Training T Use Class

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 :

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

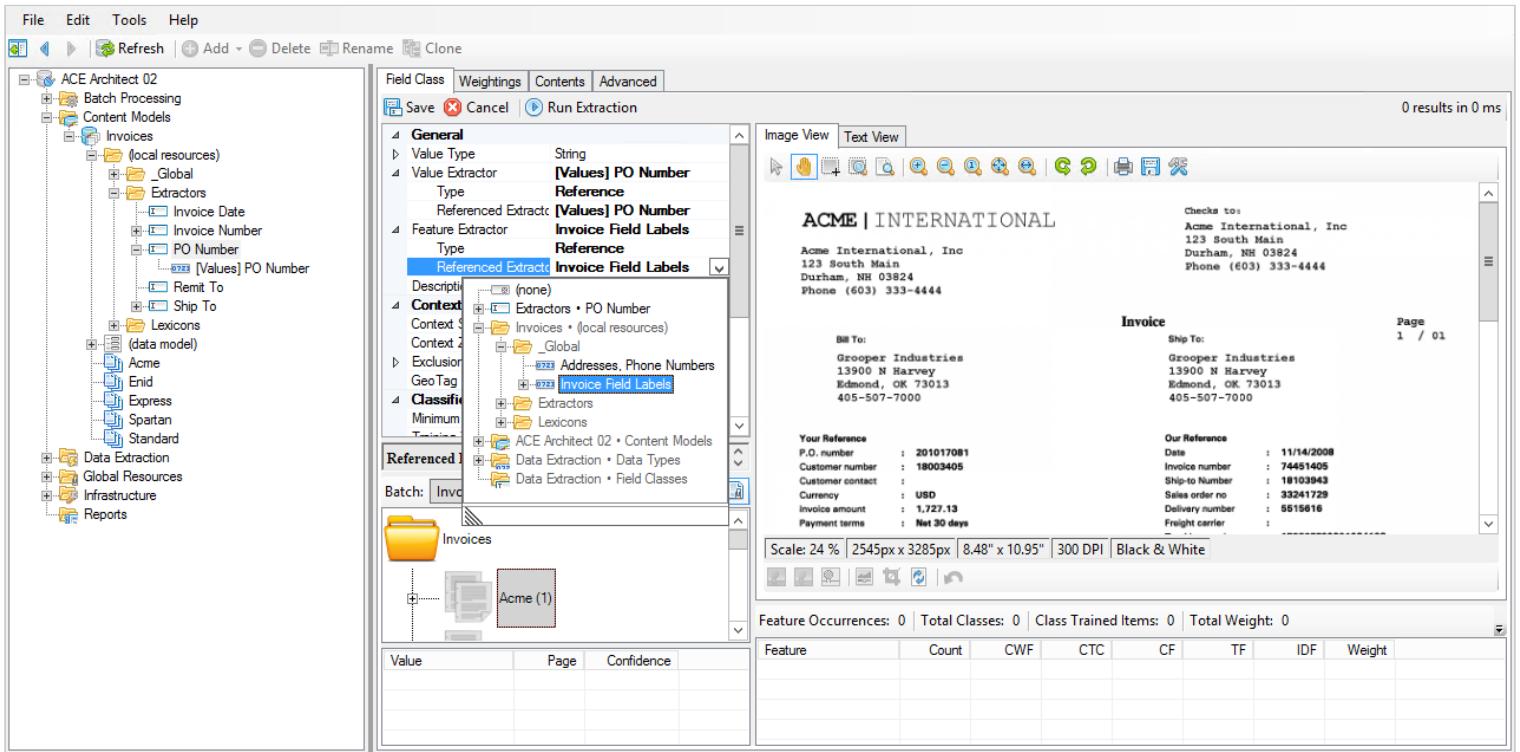
Feature Occurrences: 0 | Total Classes: 0 | Class Trained Items: 0 | Total Weight: 0

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

Value Page Confidence

Invoices Acme (1)

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



E15 Content Models / Invoices / (local resources) / Extractors / PO Number

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
 - End
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

General

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

Batch: Invoices

| Value | Page | Confidence |
|------------------|----------|-----------------|
| 74451405 | 1 | 0.0000 % |
| 33241729 | 1 | 0.0000 % |
| 201017081 | 1 | 0.0000 % |
| 000020 | 1 | 0.0000 % |

Image View Text View

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

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

Invoice

13 results in 54 ms

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

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
PO 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

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
 - End
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

General

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

Batch: Invoices

| Value | Page | Confidence |
|------------------|----------|-------------------|
| 201017081 | 1 | 100.0000 % |
| 000020 | 1 | 0.0000 % |
| 103003 | 1 | 0.0000 % |
| 000021 | 1 | 0.0000 % |

Image View Text View

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

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

Invoice

13 results in 40 ms

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

Page 1 / 01

 Your Reference
PO 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

Feature Occurrences: 1 | Total Classes: 0 | 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
 - End
 - 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 Extract [Values] PO Number
- Feature Extractor Invoice Field Labels
 - Type Reference
 - Referenced Extract 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

Context Zones

Batch: Invoices

Acme (1)

Standard (2)

Value Page Confidence

| 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
 - End
 - 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 Extract [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 | (-1.05)(1.0) |

Left Top Right Bottom Width Height

-3.278 -0.054 0.312 0.054 3.59 0.108

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

Value Page Confidence

| 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

Context Zones

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
 - End
 - 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

Image View Text View

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

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

Standard (2)

| Value | Page | Confidence |
|-------------|------|------------|
| 209001161 | 1 | 57.7350 % |
| 2008 | 1 | 0.0000 % |
| 3018 | 1 | 0.0000 % |
| 70328242140 | 1 | 0.0000 % |

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
 - End
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction 1 results in 32 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

Acme (1)

Standard (2)

| Value | Page | Confidence |
|-----------|------|------------|
| 209001161 | 1 | 100.0000 % |

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: 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

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:

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

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 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 Date : 11/14/2008
Customer number : 190004095 Invoice number : 74481405
Customer contact : 18103343 Ship-to Number : 18103343
Currency : USD Sales order no : 33241729
Invoice amount : 1,727.13 Delivery number : 5515616
Payment terms : Net 30 days Freight carrier :
Tracking number : 122565890301034108

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
- Reference: PO Number

Referenced Extractor

- Minimum Confidence: (none)
- Sub-Element Name: PO Number
- Description: Invoices * (local resources)

Appearance

- Alignment: MiddleLeft
- Display Width: 100
- Error Color: Red
- Background Color: Light Blue
- Foreground Color: Black

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 extraction.

Batch: Invoices

Invoices

- Acme (1)
- Standard (2)

Data Field Preview

PO Number

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 | 201017001 |
| Customer number | 180004005 |
| Customer contact | 18103943 |
| 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 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

Invoices

- Acme (1)
- Standard (2)

Data Field Preview

PO Number

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 | 201017001 |
| Customer number | 180004005 |
| Customer contact | 18103943 |
| Currency | USD |
| Invoice amount | 1,727.13 |
| Payment terms | Net 30 days |

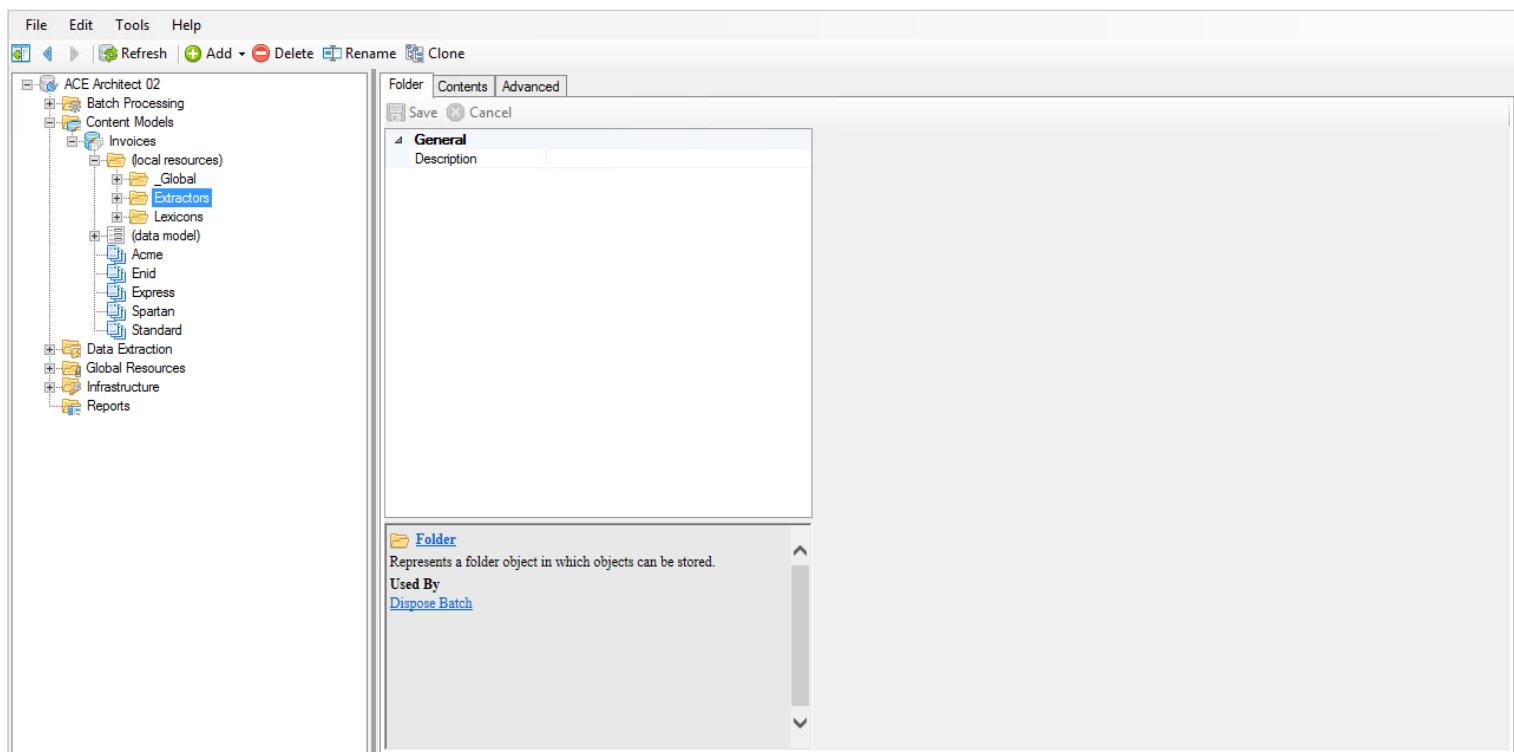
Scale: 19% 2545px x 3285px 8.48" x 10.95" 300 DPI Black & White

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)
 - 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

Field Class

Batch: Invoices

Value Page Confidence

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 | : |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Our Reference

| | |
|-----------------|--------------|
| Date | : 11/14/2008 |
| Invoice number | : 74451405 |
| Ship-to Number | : 18103843 |
| 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

E5 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 |

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
 - 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 **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 |
| 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 |
|---------|-------|-----|-----|----|----|-----|--------|
| | | | | | | | |

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
 - 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 **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 |
| 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 |
|---------|-------|-----|-----|----|----|-----|--------|
| | | | | | | | |

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 .

Screenshot of the ACE Architect 02 software interface showing the extraction configuration and results for an invoice amount extractor.

Left Panel (File Structure):

- ACE Architect 02
 - Batch Processing
 - Content Models
 - Invoices
 - (local resources)
 - 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

Middle Panel (Extractor Configuration):

Field Class: Field Class (General, Weightings, Contents, Advanced)

Run Extraction: Save, Cancel, Run Extraction

Image View: Text View

General:

- Value Type: String
- Value Extractor: Currency
- Type: Reference
- Referenced Extract: Currency
- Feature Extractor: Invoice Field Labels
- Type: Reference
- Referenced Extract: 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%

Referenced Extractor:

Batch: Invoices

Results:

11 results in 29 ms

Invoice:

| | |
|--|--|
| Bill To: | Ship To: |
| Grooper Industries 13900 N Harvey Edmond, OK 73013 405-507-7000 | Grooper Industries 13900 N Harvey Edmond, OK 73013 405-507-7000 |
| 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 : 18103943 |
| Currency : USD | Sales order no : 33241729 |
| Invoice amount : 1,727.13 | Delivery number : 5515616 |
| Payment terms : Net 30 days | |

Image View:

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

| Feature | Count | CWF | TF | IDF | Weight |
|----------------|-------|-----|----------|----------|----------|
| invoice amount | 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 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
- Training Thresholds

Referenced Extractor

Batch: Invoices

Invoices

Acme (1)

| 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 % |

Image View [Text View]

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 | : |
| 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

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
 - End
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

Image View Text View

11 results in 4 ms

General

 - Value Type String
 - Value Extractor Currency Reference
 - Type Referenced Extract Currency
 - Feature Extractor Invoice Field Labels Reference
 - Type Referenced Extract Invoice Field Labels
 - Description

Context Scope Options

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

Classifier Tuning

 - Minimum Feature Count 0
 - Training Threshold 0.0

Context Zones

Batch: Invoices

Invoices

Acme (1)

| 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 % |

Image View

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

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

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
 - End
 - Express
 - Spartan
 - Standard
 - Data Extraction
 - Global Resources
 - Infrastructure
 - Reports

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

11 results in 4 ms

General

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

Context Zones

OK Cancel Add... Edit... Delete

| Zone No | Region |
|---------|-------------------|
| Zone 1 | (-4.05):(0.2,0.1) |
| Zone 2 | (-1.05):(1.0) |

Left -4
Top -0.05
Right 0.2
Bottom 0.1
Width 4.2
Height 0.15000000000000002

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

Image View

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

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

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Extractors
 - 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

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

Image View Text View

Context Zones

OK Cancel Add... Edit... Delete

| Zone No | Region |
|---------|-------------------------|
| Zone 1 | (-4.05):(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 0.8799999999999999
Height 0.41

To: Grooper Industries
900 N Harvey
Edmond, OK 73013
5-507-7000

Reference

 - Date : 11/14/2008
 - P.O. number : 74451405
 - Customer 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.

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

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Extractors
 - 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

Field Class Weightings Contents Advanced

Save Cancel Run Extraction

Image View Text View

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 % |
| 984.53 | 1 | 0.000 % |
| 1,969.06 | 1 | 0.000 % |
| 12.50 | 1 | 0.000 % |

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 :
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 |

Change the following property value(s):

| Property | Default Value | New Value |
|------------------|---------------|-----------|
| General | | |
| Value Type | String | Decimal |
| Format Specifier | - | c2 |

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

Data Field Contents Advanced

Save Cancel Test Extraction

General

- Value Type: String (empty)
- Value Extractor: 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 [Batch](#) page.

Batch: Invoices

Invoice Amount

Invoice 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
405-507-7000

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

Your Reference

| | | | |
|------------------|---------------|-----------------|---------------------|
| P.O. number | : 201017001 | Date | : 11/14/2008 |
| Customer number | : 180004009 | Invoice number | : 74451409 |
| 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 | : |
| | | Tracking number | : 12356880301034108 |

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**

Value Extractor (empty)
Minimum Confidence 20%

Appearance

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

Label Position

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.
- Date/Time - 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**

Invoice Amount

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: 201017001
Customer number: 180004005
Customer contact: 18103943
Currency: USD
Invoice amount: 1,727.13
Payment terms: Net 30 days

Our Reference
Date: 11/14/2008
Invoice number: 744814005
Ship-to Number: 18103943
Sales order no: 33241728
Delivery number: 5515616
Freight carrier: 123566890301034108

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%

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**

Invoice Amount

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: 201017001
Customer number: 180004005
Customer contact: 18103943
Currency: USD
Invoice amount: 1,727.13
Payment terms: Net 30 days

Our Reference
Date: 11/14/2008
Invoice number: 744814005
Ship-to Number: 18103943
Sales order no: 33241728
Delivery number: 5515616
Freight carrier: 123566890301034108

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

Data Field Contents Advanced

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

Document View Text View Instance View

Invoice Amount

Invoice Amount

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 | Date: | 11/14/2008 |
| Customer number: | 19003405 | Invoice number: | 74481405 |
| Customer contact: | | Ship-to Number: | 18103343 |
| Currency: | USD | Sales order no.: | 33241729 |
| Invoice amount: | 1,727.13 | Delivery number: | 5515616 |
| Payment terms: | Net 30 days | Freight carrier: | |
| | | Tracking number: | 122565E90301034108 |

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

The screenshot displays the ACE Architect 02 application interface. On the left, a navigation tree shows categories like Content Models, Invoices, and Reports. The main workspace is divided into several panes:

- Data Field Editor:** Shows a 'General' tab with 'Value Type' (set to 'Value Extractor'), 'Type' (set to 'Referenced Extractor'), and 'Appearance' settings. A dropdown menu lists 'Invoice Amount' multiple times.
- Document View:** Displays a sample invoice for 'ACME | INTERNATIONAL' to 'Grocer Industries'. It includes sections for 'Bill To', 'Ship To', and detailed product information.
- Preview:** Shows a 'Data Field Preview' for 'Invoice Amount' with a placeholder box.
- Toolbar:** Includes standard icons for Refresh, Add, Delete, Rename, and Clone.
- Bottom Status Bar:** Provides system information: Scale (19%), Dimensions (2545px x 3285px), Resolution (8.48" x 10.95"), DPI (300 DPI), and Color Mode (Black & White).

The screenshot shows the ACE Architect 02 application interface. On the left is a navigation tree with sections like Batch Processing, Content Models, Invoices, and Reports. The 'Invoices' section is expanded, showing sub-items like (local resources), (data model), PO Number, Invoice Date, Freight, Sales Tax, Discount, Invoice Amount, Payment Terms, Ship To, Remit To, and several company logos (Acme, Enid, Express, Spartan, Standard). The main workspace is titled 'Data Field' and contains configuration tabs for 'Contents' and 'Advanced'. A 'Save' button is highlighted. Below the tabs is a table with columns 'Label Position' (Left) and 'Label Alignment' (MiddleLeft). A 'Behavior' section includes fields for 'FieldSense™' (Disabled), 'Input Mask' (Disabled), 'Tooltip' (Text), 'Read Only' (False), and 'Required' (True, which is selected). A 'Database Lookup' section is also present. To the right is a 'Data Field Preview' window showing an invoice amount field. At the bottom are tabs for 'Document View', 'Text View', and 'Instance View', followed by a toolbar with various icons. The preview area shows an invoice from 'ACME | INTERNATIONAL' to 'Groggers Industries' with details like address, phone number, and payment terms. The footer displays scale information: 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 | | |
| Type | None | Internal |
| Pattern | (Click to edit) | (Click to edit) |

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

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

Behavior

Database Lookup

Document View Text View Instance View

ACME | INTERNATIONAL

Bill To:

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

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 : 201017001

Customer number : 189003405

Customer contact :

Currency : USD

Invoice amount : 1,727.13

Payment terms : Net 30 days

Our Reference

Date : 11/14/2008

Invoice number : 74481405

Ship-to Number : 18123943

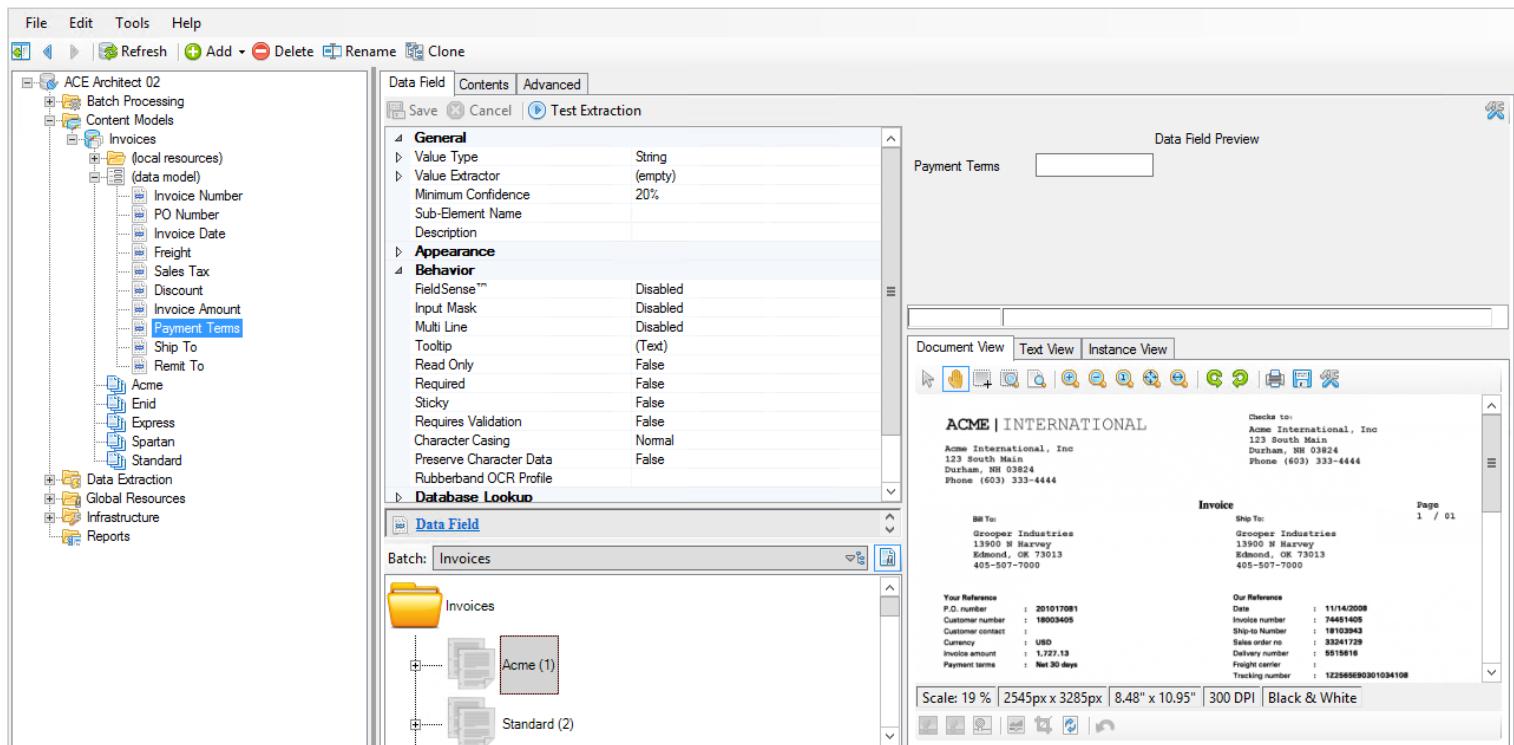
Sales order no : 33241729

Delivery number : 5519616

Freight carrier :

Tracking number : 1234567890301034108

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



File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

Data Field **Contents** Advanced

Save Cancel Test Extraction

General

- Value Type: String (empty pattern)
- Value Extractor: Internal
- Type: 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

Invoices

Acme (1)

Standard (2)

Payment Terms

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 | 201017001 | Date | 11/14/2008 |
| Customer number | 18005405 | Invoice number | 7043140 |
| Customer contact | | Ship-to Number | 18103943 |
| Currency | USD | Sales order no. | 33241729 |
| Invoice amount | 1,727.13 | Delivery number | 5519616 |
| Payment terms | Net 30 days | Freight carrier | |
| | | Tracking number | 12356890301034108 |

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

E15 Content Models / Invoices / (data model) / Payment Terms

1. Select Acme (16).
2. Edit the pattern(s):

Value Pattern

n[eo]t ([@Number]{2})

Output Format

3. 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]t-{@Number}{2}
```

Batch: Invoices

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

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) | Confidence | Page No | Index | Length |
|-------------|------------|---------|-------|--------|
| Net 30 | 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 |

The screenshot shows the ACE Architect 02 interface. On the left, the project tree displays 'ACE Architect 02' with various modules like 'Batch Processing', 'Content Models', 'Invoices', 'Global Resources', and 'Reports'. The 'Invoices' node is expanded, showing sub-nodes such as '(local resources)' and '(data model)'. Under '(data model)', there are fields like 'Invoice Number', 'PO Number', 'Invoice Date', 'Freight', 'Sales Tax', 'Discount', 'Invoice Amount', 'Payment Terms', 'Ship To', and 'Remit To'. The 'Invoices' node also lists companies: 'Acme', 'Enid', 'Express', 'Spartan', and 'Standard'. On the right, a 'Data Field' configuration window is open for an 'Invoices' field. The 'General' tab is selected, showing 'Value Type' as 'String' with the pattern '`n[ea] ((@Number){2})`'. The 'Behavior' tab is also visible. Below this, a 'Required' configuration window is shown, indicating that the 'Required' behavior is selected. A preview window on the right shows a sample invoice document with sections for 'ACME | INTERNATIONAL' and 'Invoice'. The preview includes a toolbar with icons for file operations and a status bar at the bottom.

Freight

Content Models / Invoices / (local resources) / Extractors

1. Right click and select Add > Data Type... .
2. Name it Freight .

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](#)

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 | 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

| | |
|--|--|
| Bill To: | Ship To: |
| Grooper Industries 13900 N Harvey Edmond, OK 73013 405-507-7000 | 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 : 551516
Freight carrier :
Tracking number : 122565690301034108

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

Batch: Invoices

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

III

1. As child extractors under the **Freight** Data Type, create:

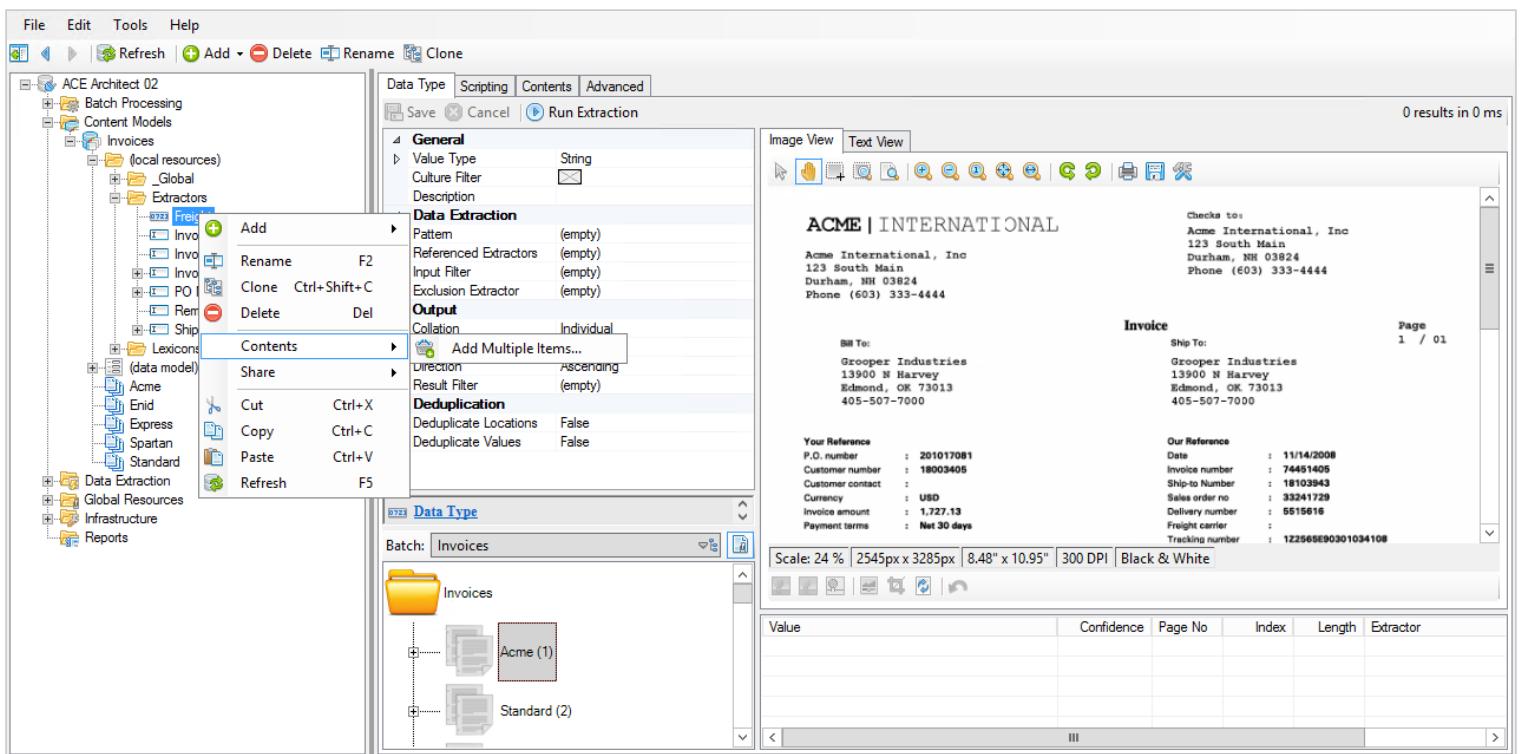
a. Data Format: **Acme**

b. Data Format: **Enid**

c. Data Format: **Express**

d. Data Format: **Standard**

e. Data Type: **Spartan**



ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
- Data Extraction
- Global Resources
- Infrastructure
- Reports

Contents • Add Multiple Items

General

Item Type: **Item Names**

Data Format

0 entries

| |
|----------|
| Acme |
| Enid |
| Express |
| Standard |

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.

Value

- Acme (1)
- Standard (2)

Invoice

Page 1 / 01

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

Our Reference

| | | |
|-----------------|---|--------------------|
| Date | : | 11/14/2008 |
| Invoice number | : | 74451405 |
| Ship-to Number | : | 18103943 |
| Sales order no | : | 33241729 |
| Delivery number | : | 5515616 |
| Freight carrier | : | |
| Tracking number | : | 122565690301034108 |

Black & White

Value Page No Index Length Extractor

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Extractors
 - Freight
 - Add
 - Rename F2
 - Clone Ctrl+Shift+C
 - Delete Del
 - Contents
 - Share
 - Cut Ctrl+X
 - Copy Ctrl+C
 - Paste Ctrl+V
 - Refresh F5

Contents • Add Multiple Items

General

Value Type: **String**

Data Format

0 entries

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

Image 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 |
| 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

Data Format Contents Advanced

Save Cancel Generate...

0 results in 0 ms | Reference Material

Pattern Editor Properties

Value Pattern

Look Ahead Pattern

Look Behind Pattern

Output Format

-Empty Expression-

Batch: Invoices

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 |

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

Invoices

Acme (1)

Standard (2)

Edit the patterns 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 left sidebar displays a project structure with nodes like 'Batch Processing', 'Content Models', 'Invoices' (selected), 'Lexicons', 'Data model', 'Data Extraction', 'Global Resources', 'Infrastructure', and 'Reports'. The main area has tabs for 'Data Format', 'Contents', and 'Advanced'. Under 'Data Format', there are sections for 'Pattern Editor' (Value Pattern: `1 ([@Number.]{3,12})`, Look Ahead Pattern: `1 WS.FREIGHT[0o]231[^n]+n`, Look Behind Pattern: `1 \n\n`) and 'Output Format' (`{1:Number}`, OK: `(?<=WS.FREIGHT[0o]231[^n]+n[^n]+n[^t]+t[^v]+`). A 'Batch' dropdown is set to 'Invoices'. The right side shows a results pane with 1 result found in 13 ms, a reference material section, and an image viewer displaying 'Invoice details' with a table of items and their values.

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 Global, Extractors, Freight, and specific company names), Lexicons (data model), Data Extraction, Global Resources, Infrastructure, and Reports. The main workspace is divided into several panes:

- Data Format** pane: Shows tabs for Contents and Advanced, and buttons for Save, Cancel, and Generate..
- Pattern Editor** pane: Contains three sections: Value Pattern (pattern: `1 (@[Number.){3,12}`), Look Ahead Pattern (pattern: `1 020-0027[^n]*?n[^r]*?`), and Look Behind Pattern (pattern: `1 \r\n`). Below these is an Output Format section with the value: `{1:Number}` and `OK: (<=020-0027[^n]*?n[^r]*?)([0-9][OoGgSsBbUuD]{3,1})`.
- Image** pane: Displays a preview of an invoice. The header shows "TO: Edmond, OK 73013" and "TO: Edmond, OK 73013". The body of the invoice includes:

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100050168 | 12-02-08 | CUS001605 | 099321 | 201017532 | FX1 | 12-02-08 | Net 30 |

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

7710.1262.3 1.0000 D Block, Mtg., Hot Head 238.6800 Gross 238.6800

020-0027 1.0000 ea Shipping and Handling 60.0000 Gross 60.0000

Order Discount Amount -52.510
- Search Results** pane: Shows 1 result in 10 ms, with a "Reference Material" link.

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
- Invoices
 - (local resources)
 - Global
 - Extractors
 - Freight
 - Acme
 - Enid
 - Express
 - Standard
 - Spartan
 - 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 (@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][0GgSsBuuD.]{3,12})

Batch: Invoices

 - Enid (5)
 - Express (6)

Image Text

Klamona, 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 | 4192A54 | CARBIDE-TIPPED HOLE SAW, 6" DIAMETER, 1-1/2" | 1 | 1 | 0 | 78.34 | 78.34 |

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 |
|------------|---------|-------|--------|
| 100 % | 1 | 807 | 4 |

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
- Invoices
 - (local resources)
 - Global
 - Extractors
 - Freight
 - Acme
 - Enid
 - Express
 - Standard
 - Spartan
 - 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 (@Number.){3,12}

Look Ahead Pattern
1 shipping_charge\s

Look Behind Pattern
1

Output Format
{1:Number}
OK: (?<shipping charge\s)|([0-9][0GgSsBuuD.]{3,12})

Batch: Invoices

 - Acme (1)
 - Standard (2)

Image Text

NUMBER OF PKGS: 0 WEIGHT: 3.20
DATE SHIPPED: 11/1/2008
CARRIER: UPS GROUND REGIONAL
TRACKING NO: 123018W7032842140

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.

Scale: 27 % | 2545px x 3274px | 8.48" x 10.91" | 300 DPI | Black & White

Results (1)

| Confidence | Page No | Index | Length |
|------------|---------|-------|--------|
| 100 % | 1 | 688 | 4 |

1. Create two Data Formats as children of the `Spartan` Data Type:

a. `Freight`

b. `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`.

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
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 - Enid
 - Express
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 - Spartan
 - Freight
 - Value 1
 - 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

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

Manufacturing

12 West Laguna Dr
Irvine, CA 92612

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

INVOICE

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

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

TAKEN BY: DN

PAGE 1 OF 1

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

Scale: 26 % | 2552px x 3276px | 8.51" x 10.92" | 300 DPI | Black & White

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

ACE Architect 02

- Batch Processing
- Content Models
- Invoices
 - (local resources)
 - Global
 - Extractors
 - Freight
 - Acme
 - Enid
 - Express
 - Standard
 - Spartan
 - Freight
 - Value 1
 - 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 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

Manufacturing

12 West Laguna Dr
Irvine, CA 92612

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

INVOICE

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

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

TAKEN BY: DN

PAGE 1 OF 1

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

| Results (3) | Confidence | Page No | Index | Length |
|-------------|------------|---------|-------|--------|
| FREIGHT | 100 % | 1 | 641 | 7 |
| FREIGHT | 100 % | 1 | 818 | 7 |
| FREIGHT | 100 % | 1 | 1006 | 7 |

Spartan

INVOICE

Manufacturing

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

**12 West Laguna Dr
Irvine, CA 92612**

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

INVOICE DATE
11/10/08 ORIGINAL

INVOICE NUMBER
MA20-552100

P/O 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 TAKEN BY: DN PAGE 1 OF 1

| | | | | | |
|---------------------------|------------------------------------|-------------------------------|------------------------------------|--------------------------|--------------------------|
| ORDER DATE 11/10/08 | TERMS 10 ²⁵ E/NET 30 | SHIP DATE 11/10/08 | SHIP VIA DIRECT SHIP & CARRIERS | ACCT NUMBER 194306-01 | FOB ORG, FRT PPA ONLY |
| SHIPPING DATE 10/24/08 | OCN: 000171 | 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 |

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|OoGgSeBUuD){3,12})

ENT BY: MA203338 TAKEN BY: DN PAGE 1 OF 1

| | |
|--------------------------------|----------------------------|
| NUMBER OF PKGS: 0 WEIGHT: 3.20 | INVOICE SUB TOTAL 40.56 |
| DATE SHIPPED: 11/1/2008 | SHIPPING CHARGE 7.71 |
| CARRIER: UPS GROUND REGIONAL | TAX 2.90 |
| TRACKING NO: 123018W7032842140 | |

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.

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. Select the Spartan Data Type.
2. Change the following property value(s):

| Property | Default Value | New Value |
|------------------|---------------|---------------|
| Output | | |
| Collation | Individual | Ordered Array |
| Vertical Layout | Disabled | Enabled |
| Maximum Distance | 0.25 | 0.25 |
| Combine Method | - | Sum |

File Edit Tools Help

Refresh Add Delete Rename Clone

Data Type Scripting Contents Advanced

Save Cancel Run Extraction 151 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: False
- Deduplicate Values: False

Spartan

INVOICE

Manufacturing
12 West Laguna Dr
Irvine, CA 92612

Phone: (800) 111-22222
Fax: (800) 555-1182

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

INVOICE DATE
12/10/08 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: MA203318 TAKEN BY: DN

| | | | | | |
|------------------------|----------------------------|-------------------------|--------------------------------------|--------------------------|-------------------------|
| ORDER DATE 11/10/08 | TERMS L/OP-25-DAYNET 30 | SHIP DATE 11/10/08 | SHIP VIA DIRECT SHIP & L CARRIERS | ACCT NUMBER 184306-04 | FOB ORG, FRT PPA 500 |
| SHIP DATE 10/24/08 | OCN: 409171 | COMMENTS VIA FREIGHT | M20 ONLY | | |

Scale: 26% | 2552px x 3276px | 8.51" x 10.92" | 300 DPI | Black & White

Data Type

Batch: Invoices

Spartan (4)

Enid (5)

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 1 |
| 12 | 100% | 1 | 32 | 2 | Value 1 |
| 12 | 100% | 1 | 32 | 2 | Value 2 |

ACE Architect 02

Invoices

- (local resources)
 - Global
 - Extractors
 - Freight
 - Acme
 - Enid
 - Express
 - Standard
 - Spartan
 - Freight
 - Value 1
 - Value 2
- 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

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

- Deduplicate Locations False
- Deduplicate Values False

Collation

Batch: Invoices

- Spartan (4)
- Enid (5)

Image View Text View

Spartan

INVOICE

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

INVOICE DATE 02/03/08 ORIGINAL
INVOICE NUMBER MA20 5522109
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
ENT BY: MA203338
TERMS: 10-25thNET 10
SHIP DATE: 11/10/08
SHIP VIA: DIRECT SHIP & L CARRIERS
ACCT NUMBER: 134306-04
FOB ORG, FRT PPA

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 |
| 02c12 | 100 % | 1 | 62 | 5 | Value 2 |

PAGE 1 OF 1

ACE Architect 02

Invoices

- (local resources)
 - Global
 - Extractors
 - Freight
 - Acme
 - Enid
 - Express
 - Standard
 - Spartan
 - Freight
 - Value 1
 - Value 2
- 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

General

- Value Type String
- Culture Filter
- Description

Data Extraction

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

Output

- Collation** Vertical Layout
- Horizontal Layout Disabled
- Vertical Layout Enabled
- Flow Layout Disabled
- Combine Method Individual
- Result Separator
- Order By Position
- Direction Ascending
- Result Filter (empty)

Deduplication

- Deduplicate Locations False
- Deduplicate Values False

Vertical Layout

Batch: Invoices

- Spartan (4)
- Enid (5)

Image View Text View

Spartan

INVOICE

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

INVOICE DATE 02/03/08 ORIGINAL
INVOICE NUMBER MA20 5522109
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
ENT BY: MA203338
TERMS: 10-25thNET 10
SHIP DATE: 11/10/08
SHIP VIA: DIRECT SHIP & L CARRIERS
ACCT NUMBER: 134306-04
FOB ORG, FRT PPA

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 |
| 02c12 | 100 % | 1 | 62 | 5 | Value 2 |

PAGE 1 OF 1

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

Data Type Scripting Contents Advanced

Save Cancel Run Extraction

1 results in 118 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 Any Alignment Tolerance
- Flow Layout Disabled
- Combine Method Sum

Order By Position

Direction Ascending

Result Filter (empty)

Deduplication

Combine Method

Batch: Invoices

Spartan (4)
Enid (5)

Image View Text View

MOSE TOTAL FREIGHT OTHER CHARGES SALES TAX CASH DISCOUNT TOTAL DUE

| | | | | | | |
|-----|--------|-------|-----|-------|-----|-------|
| .00 | IN .00 | 85.94 | .00 | .0000 | .00 | 85.94 |
| OUT | | | | | | |

NO MERCHANDISE MAY BE RETURNED WITHOUT OUR PERMISSION, AND NO TRADES ARE SUBJECT TO RESTOCKING CHARGES.
EXCISES, IMPORT FEES, AND OTHER TAXES ARE SUBJECT TO CHANGE DUE TO STATE, FEDERAL, OR LOCAL LAW. EQUIVALENT TAXES AND FEES ARE SUBJECT TO RESTOCKING RATE FOR ANNUAL IN 10%
THE MERCHANTS 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

Scale: 26 % | 2552px x 3276px | 8.51" x 10.92" | 300 DPI | Black & White

Results (1) Confidence Page No Index Length Extractor

85.94 100 % 1 0 0 Spartan

E5 Content Models / Invoices / (data model) / Freight

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

Data Field **Contents** **Advanced**

General

- Value Type: String (empty)
- 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

Batch: Invoices

Invoices

- Acme (1)
- Standard (2)

Freight

Data Field Preview

ACME | INTERNATIONAL

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

Invoice

Page 1 / 01

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

ACE Architect 02

Data Field **Contents** **Advanced**

General

- Value Type: Decimal (empty)
- 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

Batch: Invoices

Invoices

- Acme (1)
- Standard (2)

Freight

Data Field Preview

ACME | INTERNATIONAL

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

Invoice

Page 1 / 01

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

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

- Left Panel:** A tree view of the project structure under "ACE Architect 02". It includes sections for Batch Processing, Content Models, Invoices, and various shipping methods like Acme, Enid, Express, Spartan, and Standard.
- Top Bar:** Standard file operations: File, Edit, Tools, Help, Refresh, Add, Delete, Rename, Clone.
- Central Area:**
 - Data Field Tab:** Set to "Freight".
 - General Section:** Value Type is set to "Decimal" with "Any" as the input style. The "Format Specifier" is set to "c2".
 - Expressions Section:** Default Value Expression is set to "0".
 - Format Specifier Tree:** Shows a batch named "Invoices" with two children: "Acme (1)" and "Standard (2)".
 - Right Panel:** "Data Field Preview" shows a placeholder for "Freight". Below it is a preview window titled "ACME | INTERNATIONAL" showing an invoice. The invoice details include:

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

 The "Invoice" section shows:

| | |
|------------------|--------------------|
| Bill To: | Grooper Industries |
| 13900 N Harvey | Edmond, OK 73013 |
| 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 | : 8815616 |

 The preview also includes a scale bar: Scale: 20% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White.

This screenshot is nearly identical to the one above, but the "Default Value Expression" is now set to "0.00" instead of "0". The rest of the configuration and preview are the same.

E3 Content Models / Invoices / (data model) / Freight

1. In the General section, set the Value Extractor > Type property to Reference
2. Set the Referenced Extractor property to the Invoices • (local resources) > Extractors > Freight Data Type.

ACE Architect 02

Data Field **Contents** **Advanced**

Save **Cancel** **Test Extraction**

General

- Value Type **Decimal**
- Input Styles
- Format Specifier
- Input Cultures
- Output Culture
- Minimum Value
- Maximum Value
- Value Range -79228162514264337593543950335 to 792281

Value Extractor **(empty)** **20%**

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)**

Freight **\$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

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

Invoice

Page 1 / 01

Scale: 20% | 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 **Decimal**
- Input Styles
- Format Specifier
- Input Cultures
- Output Culture
- Minimum Value
- Maximum Value
- Value Range -79228162514264337593543950335 to 792281

Value Extractor

Type **Referenced Extractor**

Minimum Confidence

Sub-Element Name

Description

Appearance

Behavior

Database Lookup

Expressions

Default Value Expression

Referenced Extractor

Batch: **Invoices**

Invoices

- Acme (1)**
- Standard (2)**

Freight **\$0.00**

Data Field Preview

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

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

Invoice

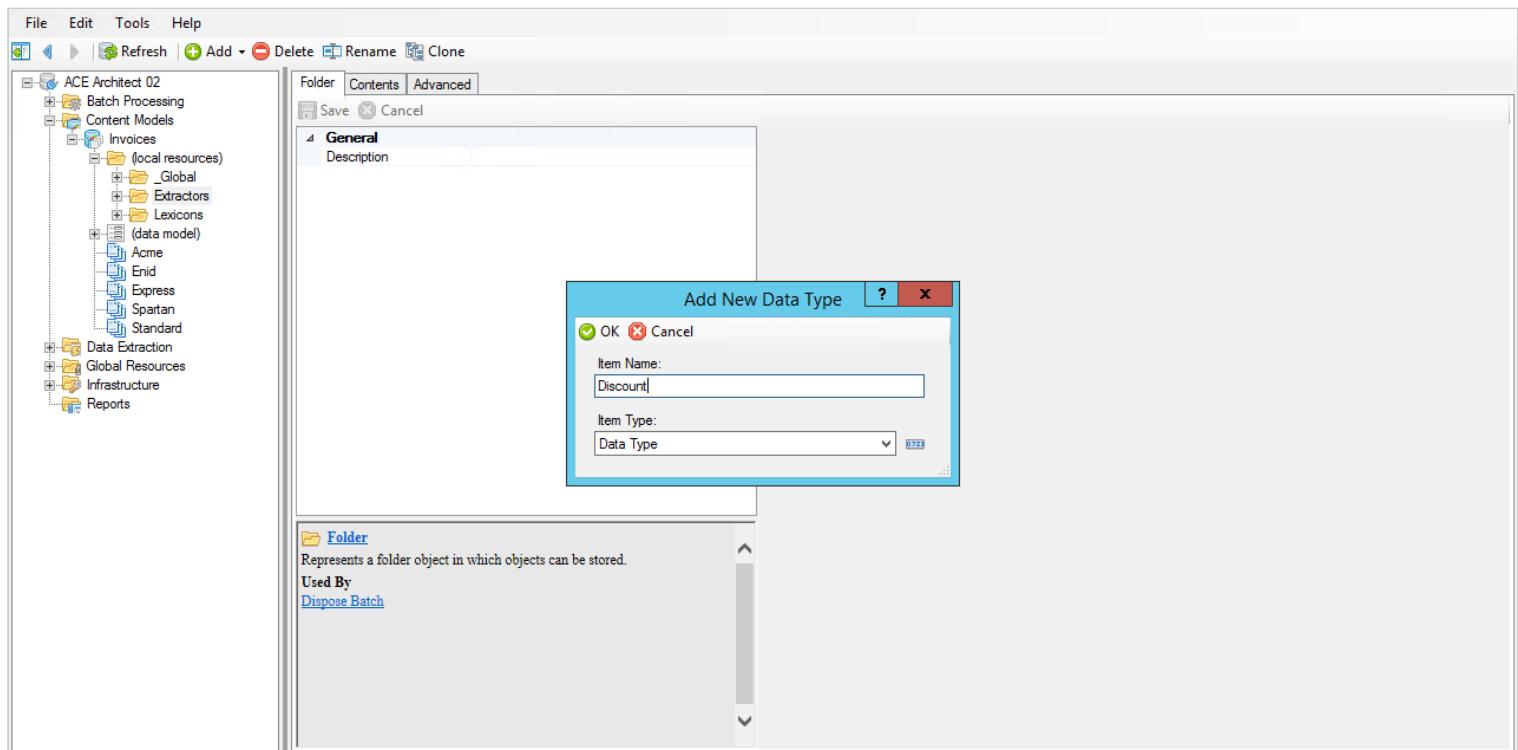
Page 1 / 01

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



E5 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

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Discount
 - Acme
 - Enid
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - 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

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 |

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

Data Type

Batch: Invoices

Invoices

 - Acme (1)
 - Standard (2)

Value Confidence Page No Index Length Extractor

III

File Edit Tools Help

Refresh Add Delete Rename Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Discount
 - Acme
 - Enid
 - Freight
 - Invoice Amount
 - Invoice Date
 - Invoice Number
 - PO Number
 - Remit To
 - Ship To
 - Lexicons (data model)
 - 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

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 |

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

Data Type

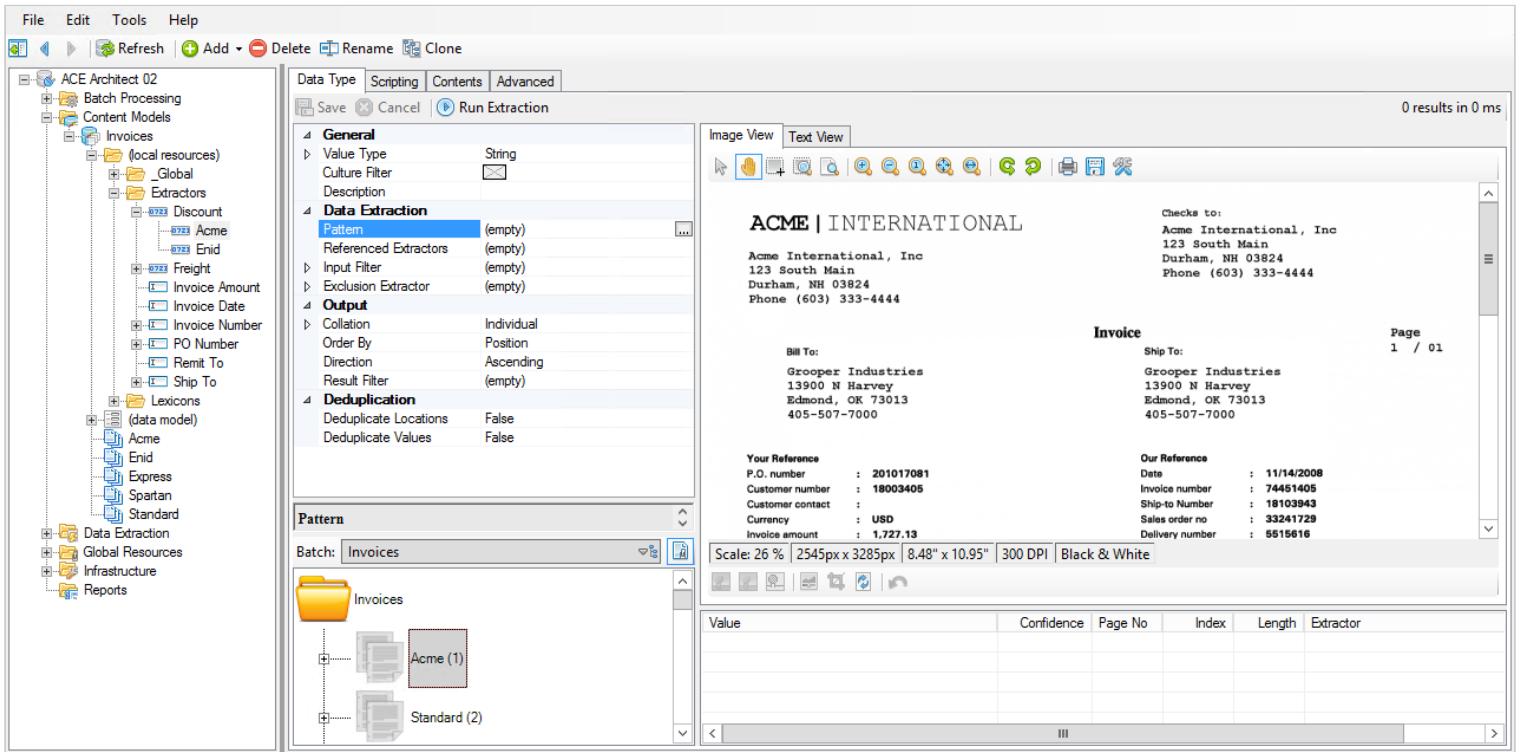
Batch: Invoices

Invoices

 - Acme (1)
 - Standard (2)

Value Confidence Page No Index Length Extractor

III



E5 Content Models / Invoices / (local resources) / Extractors / Discount / Acme

1. Click on the Properties tab and set the Preprocessing Options > Tab Marking property to **True**
2. Click back to the Pattern Editor tab
3. In the Value Pattern editor, type:

```
[@Number., ]{3,12}
```

4. In the Look Ahead Pattern editor, type:

```
cust\.\sdiscount\s%(\t|\r\n)[^\t]+\t
```

5. In the Output Format editor, type:

```
{0:Number}
```

6. Press **OK** to close the pattern editor window

ACME | INTERNATIONAL

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 :
Tracking number : 1Z2565E90301034108

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 | 984.53 | 1,969.06 |
| | Gross Value | | 12.50- % | 246.13 |
| 000021 | Cust. Discount % | | Net Value for item | 1,722.93 |
| | WS.FREIGHT0231 | 1 AU | Freight (Parts) | |
| | 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. In the Output section, set the Collation property to **Combine**
3. Expand Collation and set the Combine Method property to **Sum**

S | Refresh | Add | Delete | Rename | Clone

Data Type Scripting Contents Advanced

Save Cancel Run Extraction

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 | 652.32 |
| | Gross Value | | Cust. Discount % | 81.54 |
| | Net Value for Item | | 23.78 | 570.78 |
| 000020 | GB.C136177-00002 VALVE-AIR | 12 EA | 28.16 | 337.92 |
| | Gross Value | | Cust. Discount % | 42.24 |
| | 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

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

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 | | 23.78 | 570.78 |
| 000020 | GB.C136177-00002 VALVE-AIR | 12 EA | 28.18 | 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

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

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 | | 23.78 | 570.78 |
| 000020 | GB.C136177-00002 VALVE-AIR | 12 EA | 28.18 | 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 |

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

The screenshot shows the ACE Architect 02 interface. On the left, the project tree displays 'ACE Architect 02' with various modules like Batch Processing, Content Models, and Reports. Under 'Content Models', 'Invoices' is selected, followed by '(local resources)', '_Global', 'Extractors', and finally 'Discount'. A specific extractor named '[Key] Enid - Discount' is highlighted.

The main workspace is the 'Data Type' editor for this extractor. It has tabs for 'Scripting', 'Contents', and 'Advanced'. The 'General' tab shows the value type as 'String'. The 'Data Extraction' tab includes fields for 'Pattern' (empty), 'Referenced Extractors' (empty), 'Input Filter' (empty), and 'Exclusion Extractor' (empty). The 'Output' tab specifies 'Collation' as 'Individual', 'Order By' as 'Position', 'Direction' as 'Ascending', and 'Result Filter' as empty. The 'Deduplication' tab has 'Deduplicate Locations' and 'Deduplicate Values' both set to 'False'.

On the right, the 'Image View' tab is active, showing a scanned invoice from 'Enid Parts' dated 12-05-08. The invoice details include 'INVOICE # CSI/10076138' and 'PAGE 1'. It lists 'REMIT TO: Enid Parts, 586 West Industrial Road, Enid, OK 73703' and 'SOLD: Grooper Industries, 13900 N Harvey, Edmond, OK 73013' with 'SHIP: Grooper Industries, 13900 N Harvey, Edmond, OK 73013'. The table below shows purchase details:

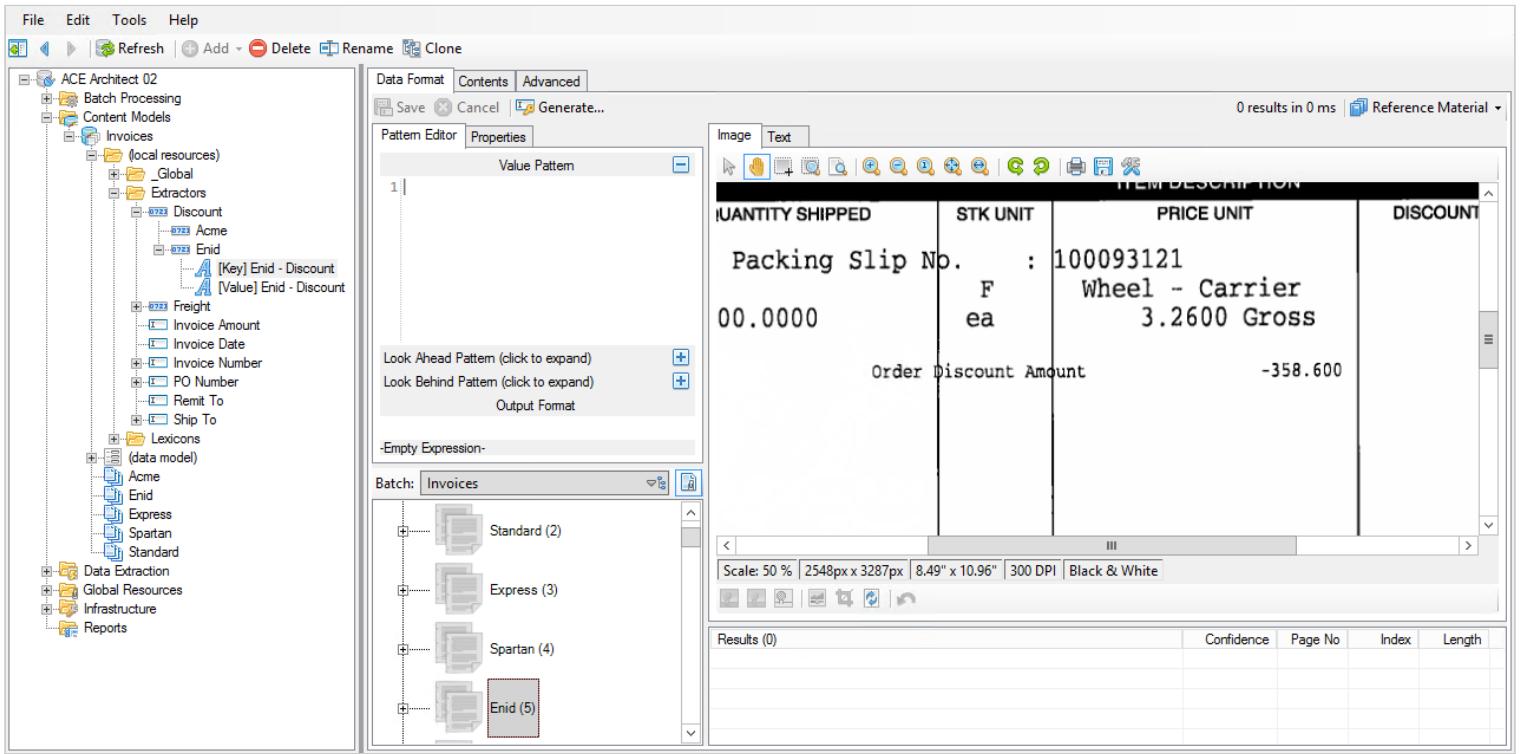
| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SALES PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|--------------|------------|-----------------|--------------|-----------------------|----------|-----------|--------|
| 100049766 | 11-11-08 | CUS001410 | 099325 | 010013704 | FXG |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

The 'Text View' tab is also visible, showing the scanned document's text content.

E15 Content Models / Invoices / (local resources) / Extractors / Discount / Enid / [Key] Enid - Discount

1. Select Enid (5).
2. In the Value Pattern editor, type:

```
order discount amount
```



E15 Content Models / Invoices / (local resources) / Extractors / Discount / Enid / **[Key] Enid - Discount**

1. Click on the Properties tab
2. In the General section, set the Mode property to **FuzzyRegEx**
3. In the Fuzzy Matching Options section, set the Minimum Similarity property to **85%**
4. Expand Fuzzy Match Weightings and click to edit Local Entries
5. In the List Editor window, type:

```
)D=0.1
```
6. 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
 - Enid
 - [Key] Enid - Discount
 - [Value] Enid - Discount
 - Freight
 - 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

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)
 - Enid (5)**

Image Text Fuzzy Extraction Visualizer

11-08 CUSUU141U 099325 010015704

| 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 | Confidence | Page No | Index | Length |
|-----------------------|------------|---------|-------|--------|
| 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
 - Enid
 - [Key] Enid - Discount
 - [Value] Enid - Discount
 - Freight
 - 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

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)
 - Enid (5)**

Image Text Fuzzy Extraction Visualizer

11-08 CUSUU141U 099325 010015704

| 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 | Confidence | Page No | Index | Length |
|-----------------------|------------|---------|-------|--------|
| 90 % | 1 | 676 | 22 | |

The screenshot shows the ACE Architect 02 interface. On the left, the project tree includes 'Batch Processing', 'Content Models', and 'Invoices' with 'local resources'. In the center, the 'Pattern Editor' is open for a 'Discount' extractor under 'Invoices'. The 'General' section shows 'Value Type' as 'String', 'Mode' as 'FuzzyRegEx', and 'Case Sensitive' as 'False'. The 'Fuzzy Matching Options' section shows 'Minimum Similarity' at '85%', 'Match Mode' as 'LeastCost', and 'Fuzzy Match Weight' as '0 entries'. The 'Local Entries' section shows a table with columns 'Batch', 'Name', and 'Count'. The table lists 'Invoices' with counts 2, 3, 4, and 5. On the right, the 'Fuzzy Extraction Visualizer' shows a packing slip with fields: QUANTITY SHIPPED (500.0000), STK UNIT (F ea), PRICE UNIT (Wheel - Carrier 3.2600 Gross), and Order Discount Amount (-358.600). The bottom status bar indicates 'Scale: 50 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White'.

This screenshot is similar to the one above, but a 'List Editor' dialog box is overlaid on the 'Pattern Editor'. The dialog has 'OK' and 'Cancel' buttons, and the text '(D=0..1]' is entered in the input field. The rest of the interface and visualizer are visible in the background.

Content Models / Invoices / (local resources) / Extractors / Discount / Enid / **[Value] Enid - Discount**

1. In the Value Pattern editor, type:

```
\d{1,6}\.\d{2,3}
```

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**
 - [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

Look Ahead Pattern (click to expand) +

Look Behind Pattern (click to expand) +

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 73013

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

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

| ORDER NUMBER | ORDER DATE | CUSTOMER NUMBER | SELLER PERSON | PURCHASE ORDER NUMBER | SHIP VIA | SHIP DATE | TERMS |
|--------------|------------|-----------------|---------------|-----------------------|----------|-----------|--------|
| 100049766 | 11-11-08 | CU6001410 | 099325 | 010013704 | FAX | 12-03-08 | Net 30 |

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

Results (0)

Confidence Page No Index Length

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**
 - [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

III

Scale: 62 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

Results (10)

| | | | | |
|----------|-------|---|-----|---|
| 7706.105 | 100 % | 1 | 602 | 8 |
| 500.000 | 100 % | 1 | 632 | 7 |
| 500.000 | 100 % | 1 | 641 | 7 |
| 3.260 | 100 % | 1 | 653 | 5 |

Confidence Page No Index Length

Content Models / Invoices / (local resources) / Extractors / Discount / **Enid**

1. In the Output section, set the Collation property to **Key-Value Pair**
2. Expand Collation and set the Horizontal Layout property to **Enabled**

The screenshot shows the ACE Architect 02 application interface. The top menu bar includes File, Edit, Tools, Help, Refresh, Add, Delete, Rename, and Clone. The left sidebar displays a tree view of project components: ACE Architect 02, Batch Processing, Content Models, Invoices (with sub-folders like Global, Extractors, Discount, Acme, Enid, Freight, Invoice Amount, Invoice Date, Invoice Number, PO Number, Remit To, Ship To, and Lexicons), and (data model) with sub-items Acme, Enid, Express, Spartan, Standard, Data Extraction, Global Resources, Infrastructure, and Reports.

The main workspace contains several panels:

- Data Type**: A panel showing configuration for a Data Type named "Invoices". It includes sections for 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)), and Deduplication (Deduplicate Locations: False, Deduplicate Values: False).
- Image View**: A preview of an extracted document showing an envelope with recipient information: 13900 N Harvey, Edmond, OK 73013, and a packing slip with details: ORDER NUMBER 100049766, ORDER DATE 11-11-08, CUSTOMER NUMBER CUS001410, SALES PERSON 099325, PURCHASE ORDER NUMBER 010013704, SHIP VIA FDX, SHIP DATE 12-03-08, TERMS Net 30. The packing slip also lists QUANTITY ORDERED 7706.1052, QUANTITY SHIPPED 500.0000, STK UNIT ea, ITEM DESCRIPTION Packing Slip No. : 100093121, PRICE UNIT 3.2600 Gross, and DISCOUNT -158.600.
- Results**: A table titled "Results (11)" showing confidence levels and page numbers for various matches. The table has columns: Confidence, Page No., Index, Length, and Extractor. The data includes:

| Confidence | Page No. | Index | Length | Extractor |
|------------|----------|-------|--------|------------------------|
| 100 % | 1 | 602 | 8 | [Value] Enid - Discour |
| 100 % | 1 | 632 | 7 | [Value] Enid - Discour |
| 100 % | 1 | 641 | 7 | [Value] Enid - Discour |
| 100 % | 1 | 653 | 5 | [Value] Enid - Discour |
| 100 % | 1 | 666 | 9 | [Value] Enid - Discour |

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

- File Edit Tools Help** menu at the top.
- Toolbar** with Refresh, Add, Delete, Rename, and Clone buttons.
- Left Sidebar:**
 - ACE Architect 02
 - Batch Processing
 - Content Models
 - Invoices
 - (local resources)
 - Global
 - Extractors
 - Discount
 - Acme
 - 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
 - Central Area:**
 - Data Type** tab selected (Scripting, Contents, Advanced).
 - Save**, **Cancel**, **Run Extraction** buttons.
 - Image View** tab selected, showing a preview of the extracted data.
 - Text View** tab showing the raw extracted data in a table format.
 - Output** section settings:
 - Collation**: Key-Value Pair
 - Order By: Position
 - Direction: Ascending
 - Result Filter: (empty)
 - Deduplication**: Deduplicate Locations: False, Deduplicate Values: False.
 - Bottom Area:**
 - Collation** section with a dropdown set to "Invoices".
 - Results (11)** table:

| | Confidence | Page No | Index | Length | Extractor |
|----------|------------|---------|-------|--------|-----------------------|
| 7706.105 | 100 % | 1 | 602 | 8 | [Value] Enid - Discou |
| 500.000 | 100 % | 1 | 632 | 7 | [Value] Enid - Discou |
| 500.000 | 100 % | 1 | 641 | 7 | [Value] Enid - Discou |
| 3.260 | 100 % | 1 | 653 | 5 | [Value] Enid - Discou |
| 1620.000 | 100 % | 1 | ccc | 6 | [Value] Enid - Discou |
 - Scale: 24 %, 2540px x 3287px, 8.49" x 10.96", 300 DPI, Black & White.

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

The screenshot shows the ACE Architect 2 interface. On the left, the project tree includes 'ACE Architect 02', 'Batch Processing', 'Content Models' (selected), 'Invoices' (selected), '(local resources)', '_Global', 'Extractors' (selected), 'Discount' (selected), 'Acme' (selected), '[Key] Enid - Discount' (selected), '[Value] Enid - Discount' (selected), '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', and 'Reports'. In the center, the 'Data Type' tab is selected in the 'Data Extraction' dialog. The 'Value Type' is set to 'String'. Under 'Data Extraction', 'Pattern' is '(empty)', 'Referenced Extractors' is '(empty)', 'Input Filter' is '(empty)', and 'Exclusion Extractor' is '(empty)'. Under 'Output', 'Collation' is set to 'Key-Value Pair' with 'Horizontal Direction' as 'Forward' and 'Horizontal Layout' as 'Enabled'. Under 'Deduplication', 'Deduplicate Locations' is 'False' and 'Deduplicate Values' is 'False'. Below this is a 'Horizontal Layout' section with a 'Batch' dropdown set to 'Invoices' and a diagram showing three nodes: 'Spartan (4)', 'Enid (5)' (selected), and 'Express (6)'. On the right, the 'Image View' tab is active, showing a preview of an invoice document with the following details:

Image View

TO: 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 DESCRIPTION | | | |
| ITEM NUMBER | QUANTITY ORDERED | QUANTITY SHIPPED | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE | |
| 7706.1052 | 500.0000 | 500.0000 | F | Packing Slip No. : 100093121 ea | 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

Results (11)

| | Confidence | Page No | Index | Length | Extractor |
|----------|------------|---------|-------|--------|-----------------------|
| 7706.105 | 100 % | 1 | 602 | 8 | [Value] Enid - Discou |
| 500.000 | 100 % | 1 | 632 | 7 | [Value] Enid - Discou |
| 500.000 | 100 % | 1 | 641 | 7 | [Value] Enid - Discou |
| 3.260 | 100 % | 1 | 653 | 5 | [Value] Enid - Discou |
| 1630.000 | 100 % | 1 | ccc | 0 | Default Enid - Discou |

E15 Content Models / Invoices / (data model) / **Discount**

1. In the Data Model, select the Discount Data Field
2. In the General section, set the Value Type to **Decimal**
3. Expand Value Type and set the Format Specifier property to **c2**
4. In the Expressions section, set the Default Value Expression property to **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
 - 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

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

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
Current contact:
Currency: USD
Invoice amount: 1,727.13
Payment terms: Net 30 days

Our Reference
Date: 11/14/2008
Invoice number: 74462909
Ship-to Number: 18103943
Sales order no: 33241728
Delivery number: 5515616
Freight carrier:
Tracking number: 122568E90301034108

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
- FormatSpecifier: 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

Discount

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

ACME | INTERNATIONAL

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

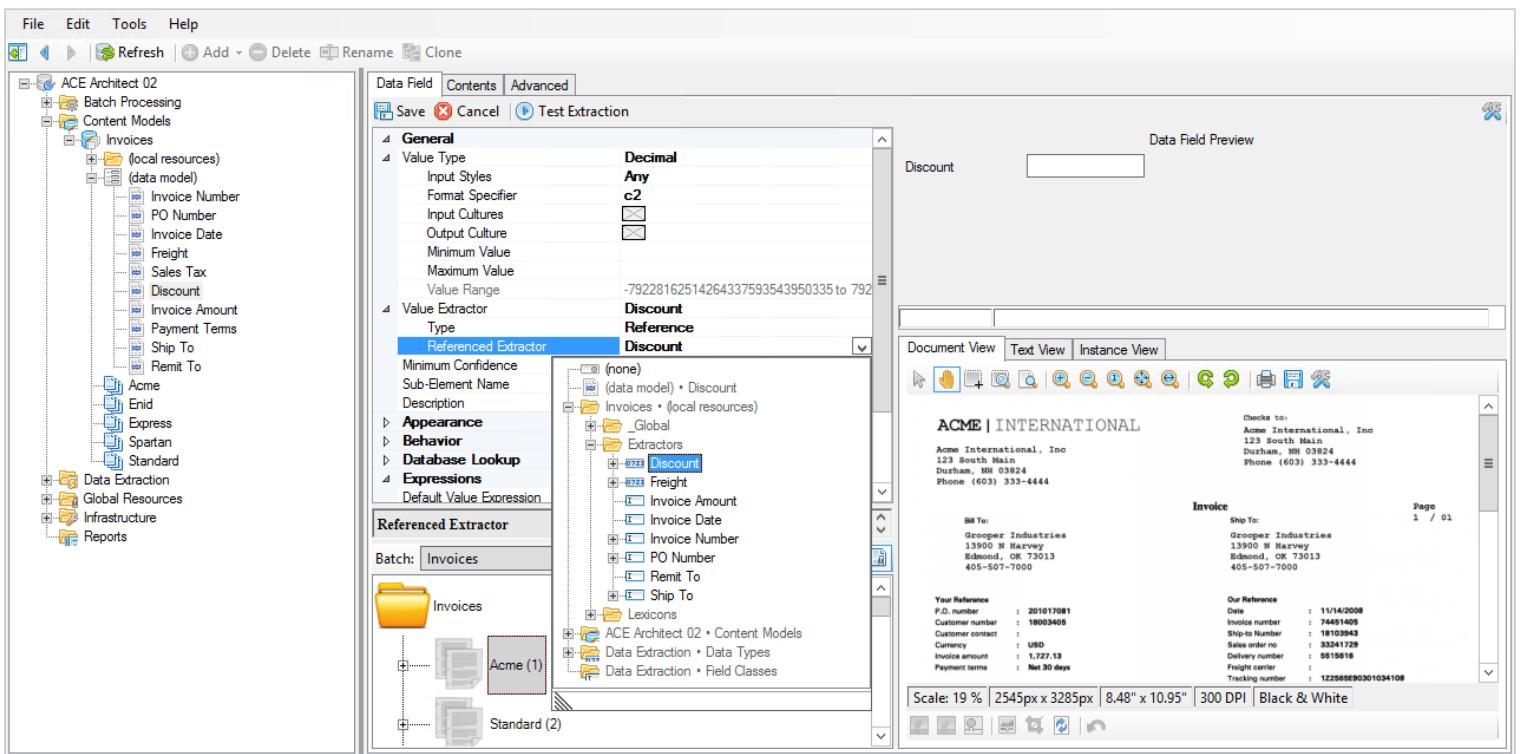
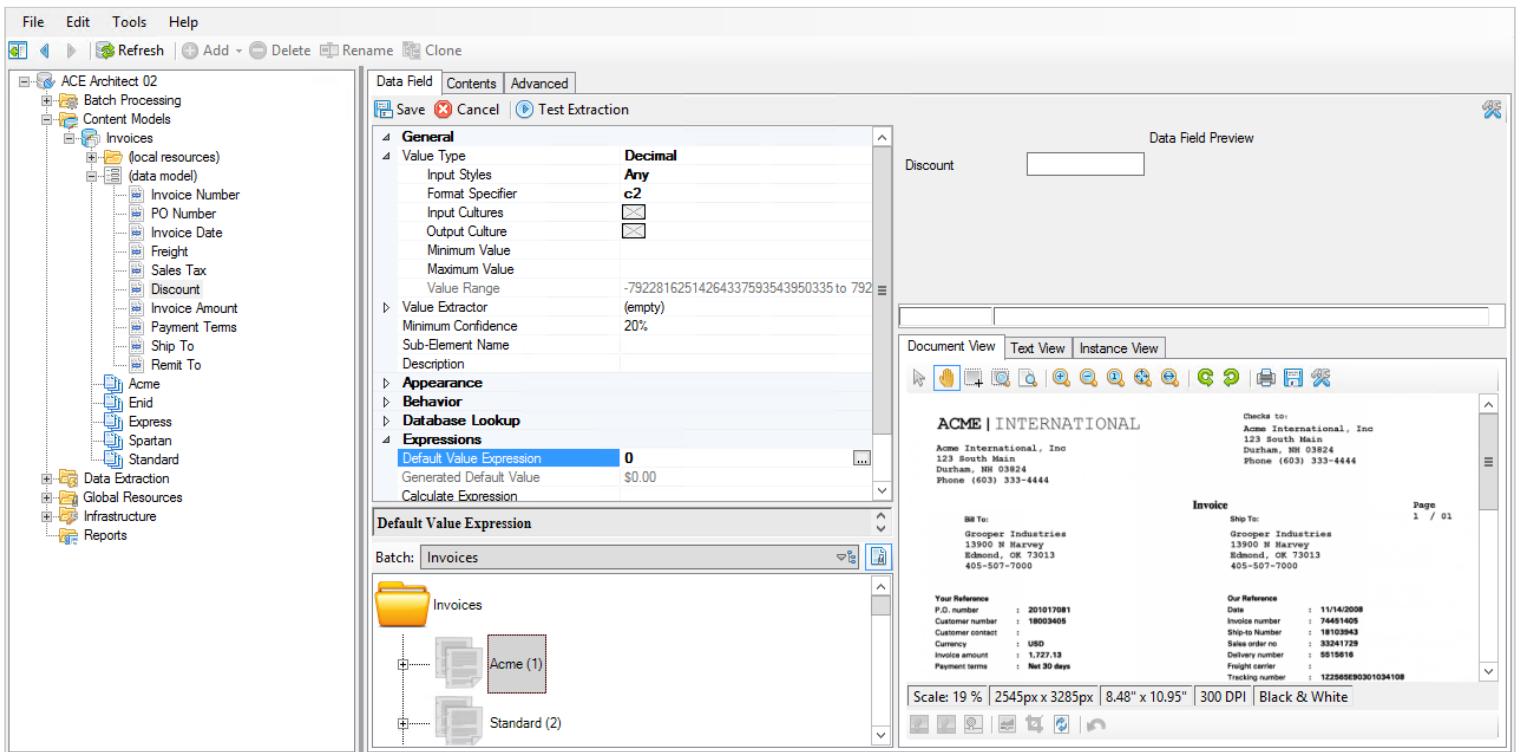
Invoice

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

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

Our Reference
Date: 11/14/2008
Invoice number: 74462909
Ship-to Number: 18103943
Sales order no: 33241728
Delivery number: 5515616
Freight carrier:
Tracking number: 122568E90301034108

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



Content Models / Invoices / (data model) / **Discount**

1. In the General section, set the Value Extractor > Type property to Reference
2. Set the Referenced Extractor property to the Invoices • (local resources) > Extractors > **Discount** Data Type.

ACE Architect 02

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 Test Results

Value Extractor

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

Minimum Confidence: (empty)
Sub-Element Name: 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)

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

ACME | INTERNATIONAL

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

Invoice

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

Our Reference
Date: 11/14/2008
Invoice number: 7446100
Ship-to Number: 18103943
Sales order no: 33241728
Delivery number: 5515616
Freight carrier:
Tracking number: 122568E90301034108

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

ACE Architect 02

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 Preview

Value Extractor

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

Referenced Extractor

Minimum Confidence:
Sub-Element Name:
Description:
Appearance
Behavior
Database Lookup
Expressions
Default Value Expression:

Value Extractor Tree:

- (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

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

ACME | INTERNATIONAL

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

Invoice

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

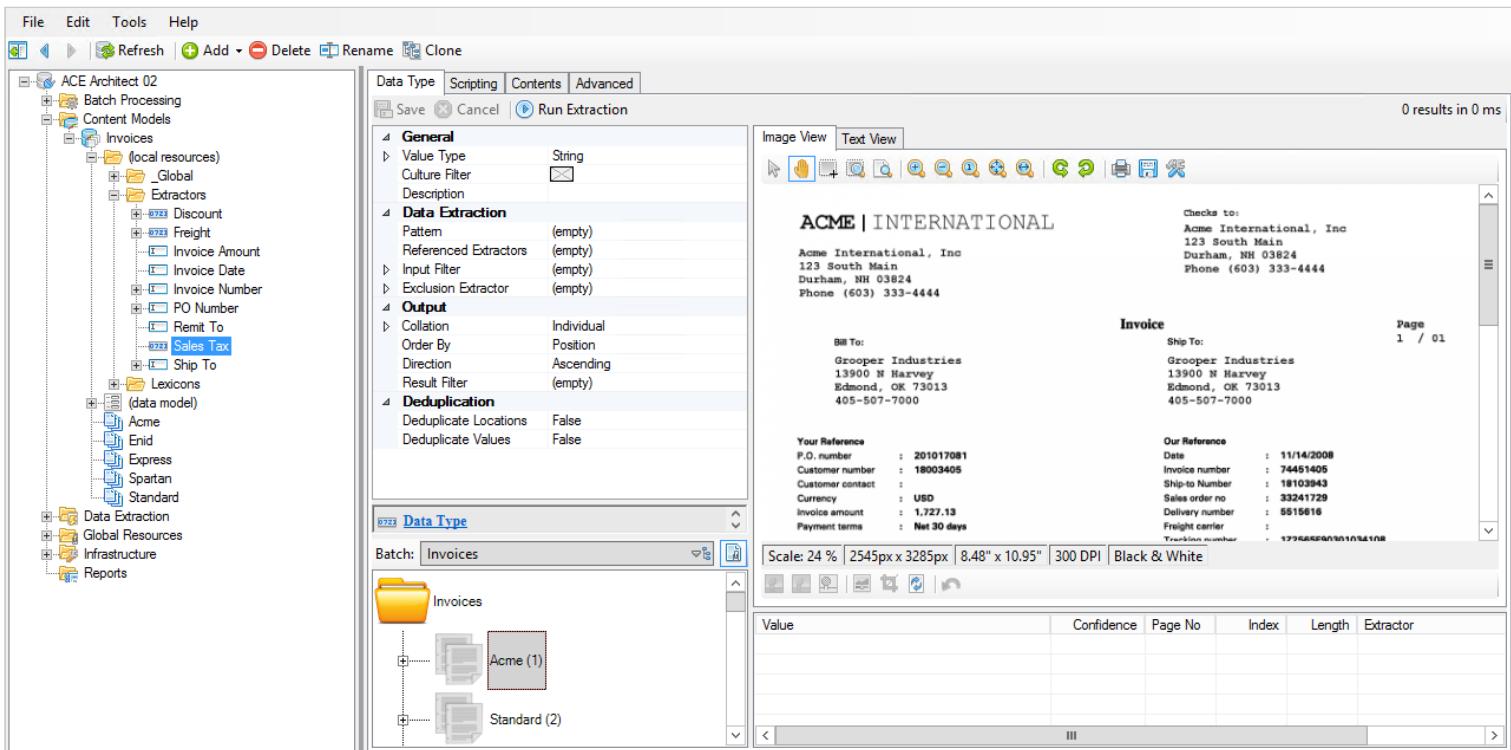
Our Reference
Date: 11/14/2008
Invoice number: 7446100
Ship-to Number: 18103943
Sales order no: 33241728
Delivery number: 5515616
Freight carrier:
Tracking number: 122568E90301034108

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



E5 Content Models / Invoices / (local resources) / Extractors / Sales Tax / ***

Edit the patterns for each of the Data Formats: - Express

```
```tab="Value Pattern"
([@Number.] {4,12})
```

```tab="Look Ahead Pattern"
sales tax:((\r\n)|\s)
```

```tab="Output Format"
{0:Number}
```

```

- Standard

Value Pattern

```
([@Number.] {3,12})
```

Look Ahead Pattern

Output Format

The screenshot shows the ACE Architect 02 software interface. The left sidebar displays a tree view of project components: Content Models, Invoices (with sub-items like Local Resources, Global, Extractors, Discount, Freight, Invoice Amount, Invoice Date, Invoice Number, PO Number, Remit To, Sales Tax, Express, Standard, Ship To), Lexicons (Acme, Enid, Express, Spartan, Standard), Data Extraction, Global Resources, Infrastructure, and Reports.

The main workspace is divided into several panels:

- Pattern Editor:** Shows a "Value Pattern" section with the regular expression `1 (@[number.] {4,12})`. Below it is a "Look Ahead Pattern" section with the regular expression `1 sales-tax:((\r\n)|\s)`.
- Preview:** A large preview area on the right shows a table of invoice data. The table has columns: /Customer ID #, You Ordered, We Shipped, Balance Due, Unit Price, and Extended Amount. One row is shown: ISE-MNT HINGE W/ 'IN,DULL CHROME FINISH, 3 EA 3 0 31.78 EA 95.34.
- Results:** A summary table at the bottom right provides details about the processed batch:

| | |
|-----------------------|-----------------|
| Merchandise Amount: | 95.34 |
| Sales Tax: | 7.39 |
| Shipping Charge: | 5.92 |
| Invoice Total: | \$108.65 |
- Batch Selection:** A "Batch: Invoices" dropdown menu lists four options: Enid (36), Acme (37), Standard (38), and Express (39). The Express option is highlighted with a blue box.
- Image Preview:** A preview window at the bottom shows a thumbnail of the generated document.
- Results Table:** A table at the bottom shows the results of the processing: 7.39, Confidence 100%, Page No. 1, Index 856, and Length 4.

The screenshot shows the ACE Architect 02 software interface. The left sidebar displays a project tree with sections like Batch Processing, Content Models, Invoices, Lexicons, Data Extraction, Global Resources, Infrastructure, and Reports. The main area has tabs for Data Format, Contents, and Advanced. A central window titled 'Pattern Editor' contains a 'Value Pattern' section with the expression `1 (@[Number.] {3,12})`, a 'Look Ahead Pattern' section with the expression `1 tax\s`, and a 'Look Behind Pattern (click to expand)' section with the expression `{1:Number}` and the output format `OK: (?<tax\s)([D-9][OoGgSsBbUuD]{3,12})`. Below this is a 'Batch:' dropdown set to 'Invoices'. To the right, there's a preview pane showing a document with fields for INVOICE SUB TOTAL, SHIPPING CHARGE, TAX, and a total of 40.56. A note below states: 'States. If exported, purchaser assumes full'. At the bottom, there's a large bold text 'AMOUNT DUE 51.17'. On the far right, there's a 'Results (1)' table with columns for Confidence (100%), Page No (1), Index (727), and Length (4), showing a result of 2.90.

1. In the Data Model, select the Sales Tax Data Field
2. In the General section, set the Value Type to **Decimal**
3. Expand Value Type and set the Format Specifier property to **c2**
4. In the Expressions section, set the Default Value Expression property to **0**

Screenshot of the Content Model Editor interface showing the configuration of the Sales Tax data field.

File Edit Tools Help

Data Field | **Contents** | **Advanced**

Save | **Cancel** | **Test Extraction**

General

- Value Type: String
- Value Extractor: (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

Data Field Preview

Sales Tax

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

STANDARD

Products: 19658 South Friar Oklahoma City, OK 73102

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

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

ORIGINAL INVOICE

PAGE 1 OF 1

ACCOUNT NUMBER: 87856430
INVOICE NUMBER: 977052473
INVOICE DATE: 11/11/2008
DUE DATE: 12/11/2008
AMOUNT DUE: \$1.17

PO NUMBER: 209001141

THANK YOU!

FOR ANY QUESTIONS ABOUT THIS PAYMENT OR ACCOUNT CALL 1-877-202-204

| PO LINE # | ITEM # | DESCRIPTION | QUANTITY - ORDERED | UNIT PRICE | TOTAL |
|-----------|--------|------------------------------------|--------------------|------------|-------|
| | 2V620 | FLASHLIGHT, D MANUFACTURER # IV20M | 8 | 5.07 | 40.56 |

Scale: 19 % | 2545px x 3274px | 8.48" x 10.91" | 300 DPI | Black & White

Sales Tax

Data Field Preview

Document View Text View Instance View

STANDARD

Products: Grooper Industries

19658 South Frikk
Oklahoma City, OK 73102

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

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

THANK YOU!

FOR ANY QUESTIONS ABOUT THIS INVOICE OR ACCOUNT CALL 1-877-202-204

| PO LINE # | ITEM # | DESCRIPTION | QUANTITY | BACK ORDERED | UNIT PRICE | TOTAL |
|-----------|--------|--------------|----------|--------------|------------|-------|
| | ZV620 | FLASHLIGHT.D | 8 | | 5.07 | 40.56 |

Scale: 19 % 2545px x 3274px 8.48" x 10.91" 300 DPI Black & White

Sales Tax

Data Field Preview

Document View Text View Instance View

STANDARD

Products: Grooper Industries

19658 South Frikk
Oklahoma City, OK 73102

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

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

THANK YOU!

FOR ANY QUESTIONS ABOUT THIS INVOICE OR ACCOUNT CALL 1-877-202-204

| PO LINE # | ITEM # | DESCRIPTION | QUANTITY | BACK ORDERED | UNIT PRICE | TOTAL |
|-----------|--------|--------------|----------|--------------|------------|-------|
| | ZV620 | FLASHLIGHT.D | 8 | | 5.07 | 40.56 |

Scale: 19 % 2545px x 3274px 8.48" x 10.91" 300 DPI Black & White

E3 Content Models / Invoices / (data model) / Sales Tax

1. In the General section, set the Value Extractor > Type property to Reference
2. Set the Referenced Extractor property to the Invoices • (local resources) > Extractors > **Sales Tax** Data Type.

The screenshot shows the ACE Architect 02 interface. On the left, the navigation tree includes 'ACE Architect 02', 'Batch Processing', 'Content Models', 'Invoices' (selected), 'Data Extraction', 'Global Resources', 'Infrastructure', and 'Reports'. In the center, the 'Data Field' configuration window for 'Sales Tax' is open. The 'General' tab shows 'Value Type' as 'Decimal', 'Any' as 'c2', and 'Value Range' as '-79228162514264337593543950335 to 792'. The 'Value Extractor' section shows 'Type' as 'Referenced Extractor' with 'Sales Tax' selected. The 'Expressions' section lists various fields like Invoice Number, PO Number, Freight, etc. On the right, a 'Data Field Preview' shows a sample invoice with a sales tax line item. Below it, a preview of the 'ORIGINAL INVOICE' document is shown.

E15 Content Models / Invoices / (local resources)

1. Right click and select Add > New Folder...
2. Name it **Overrides**

The screenshot shows the ACE Architect 02 interface. The navigation tree is identical to the previous screenshot. In the center, a 'Folder' configuration window is open for a new folder named 'Overrides'. The 'General' tab has a 'Description' field. At the bottom, a detailed description of 'Folder' objects is provided, stating they represent a folder object for storing objects and can be used by other batches. A link to 'Dispose Batch' is also present.

1. In the Overrides folder, add a Field Class

2. Name it [Enid] Sales Tax

1. Set the Value Extractor > Type property to Internal

2. Click to edit the pattern:

Value Pattern

([@Number .]{2,12})

Output Format

3. Set the Feature Extractor > Type property to Reference

4. Set the Referenced Extractor property to the Data Extraction • Data Types > Training Materials > Features > Phrases Data Type

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 0 results in 0 ms

General

- Value Type String
- Value Extractor Type Internal
- Pattern (Click to edit)
- 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

Pattern

Batch: Invoices

Pattern Tree:

- + Spartan (4)
- + Enid (5) (highlighted)

Value Page Confidence

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
586 West Industrial Road
Enid, OK 73703

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

SHIP Grooper Industries
TO: 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

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][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9])

Batch: Invoices

Pattern Tree:

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

Image Text

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
586 West Industrial Road
Enid, OK 73703

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

SHIP Grooper Industries
TO: 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

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 |

E3 Content Models / Invoices / (local resources) / Overrides / [Enid] Sales Tax

1. Click to edit the Context Zones property
2. In the Context Zones window, delete one of the zones
3. Edit the dimensions of the remaining zone:

| | Zone |
|--------|------|
| Left | -2.4 |
| Top | -0.2 |
| Right | 0.25 |
| Bottom | 0.1 |

4. Press OK to close the Context Zones window
5. In the Output section, set the Minimum Confidence property to 90%

File Edit Tools Help

Refresh Add Delete Rename Clone

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

64 results in 25 ms

General

 - Value Type String
 - Value Extractor "((@Number.){2,12})"
 - Type Internal
 - Pattern (Click to edit)
 - Feature Extractor Phrases
 - Type 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

Context Zones

Batch: Invoices

Spandan (4)

Enid (5)

| Value | Page | Confidence |
|-------|------|------------|
| 10.71 | 1 | 100.0000 % |
| 00 | 1 | 81.6497 % |
| 08 | 1 | 0.0000 % |
| nr | 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
 - 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

64 results in 25 ms

General

 - Value Type String
 - Value Extractor "((@Number.){2,12})"
 - Type Internal
 - Pattern (Click to edit)
 - Feature Extractor Phrases
 - Type Reference
 - Referenced Extractor Phrases
 - Description

Context Zones

OK Cancel Add... Edit... Delete

Zone No Region

Zone 2 (-2.4,-0.2):(0.25,0.1)

| Left | Top | Right | Bottom | Width | Height |
|------|------|-------|--------|-------|---------------------|
| -2.4 | -0.2 | 0.25 | 0.1 | 2.65 | 0.30000000000000004 |

Left

Type: Double Default: 0

The left edge of the rectangle.

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
 - 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 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

Spartan (4)

Enid (5)

| Value | Page | Confidence |
|--------|------|------------|
| 101.71 | 1 | 100.0000 % |

SALES AMOUNT 1,271.40

DEPOSIT AMOUNT

FREIGHT 0.00

SALES TAX 101.71

TOTAL

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 |

E15 Content Models / Invoices / Enid

1. Click on 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
 - 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 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"/> |

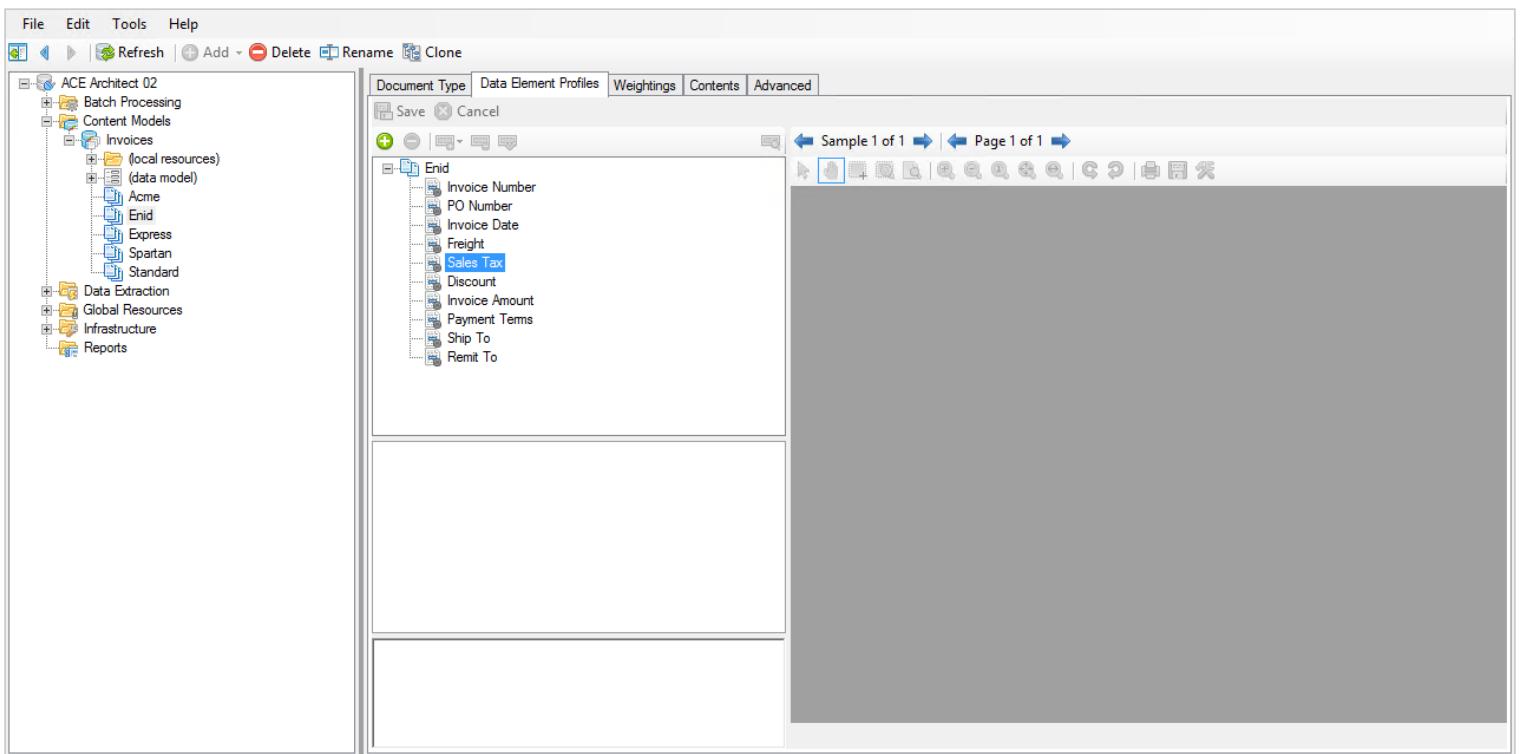
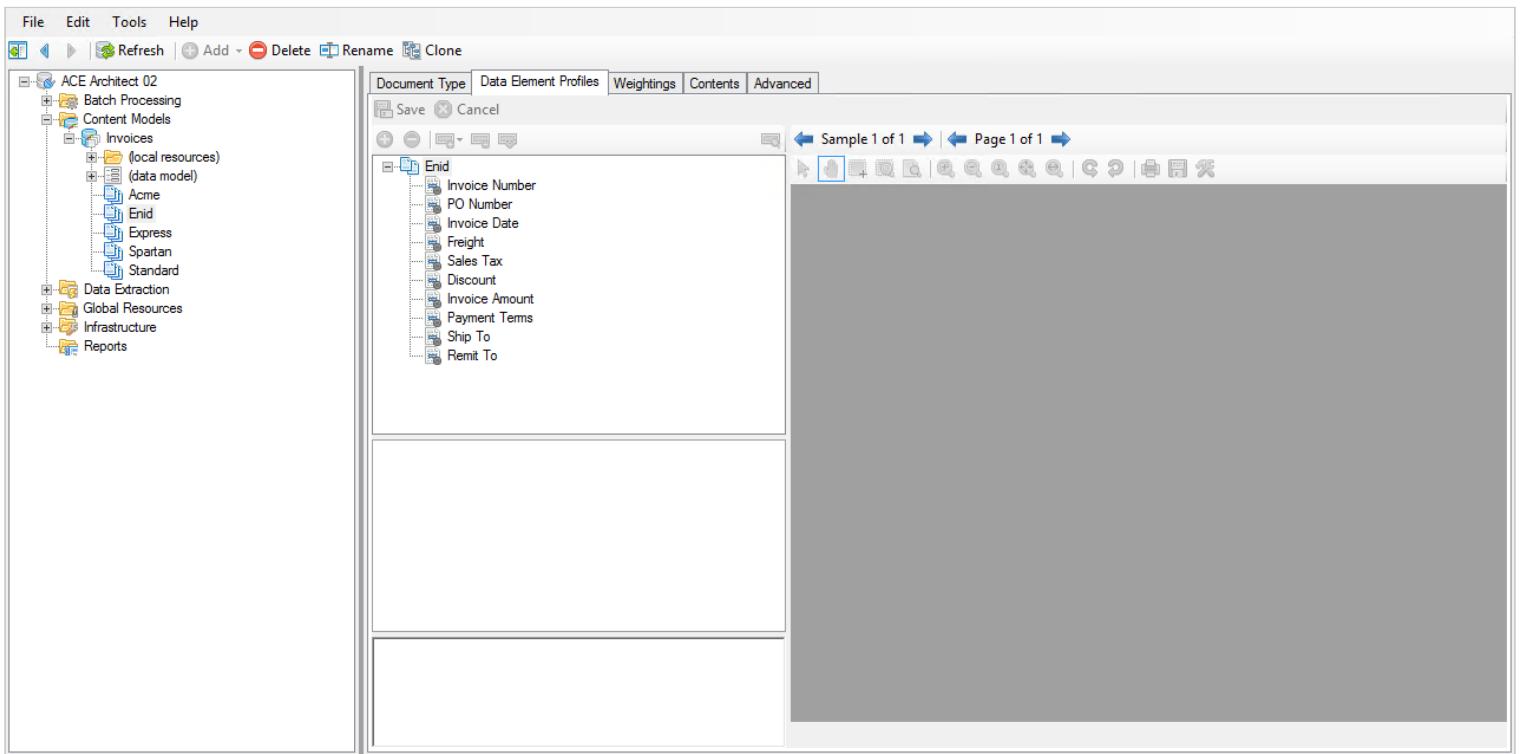
Document Type

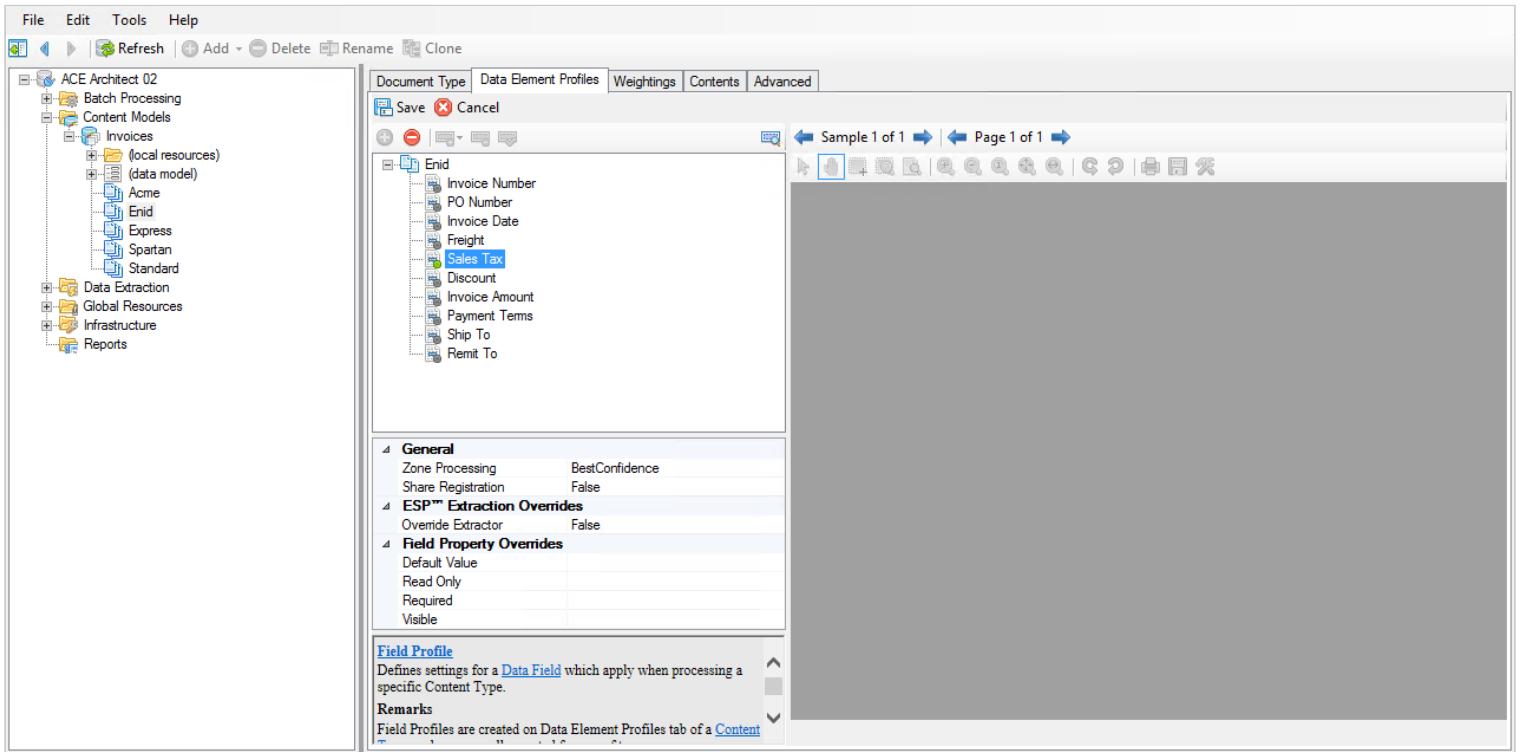
A Document Type is an object in a [Content Model](#) which represents a distinct type of document, such as an invoice or contract. Document Types are ultimately assigned to documents in a batch in a process called *classification*.

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





E15 Content Models / Invoices / Enid

1. In the properties panel, set the ESP™ Extraction Overrides > Override Extractor property to True
2. Expand Extractor and set the Extractor > Type property to Reference
3. Set the Referenced Extractor property to the Invoices • (local resources) > Overrides > [Enid] Sales Tax Field Class

File Edit Tools Help

Refresh | Add | Delete | Rename | Clone

ACE Architect 02

- Batch Processing
- Content Models
 - Invoices
 - (local resources)
 - (data model)
 - Enid
 - Acme
 - 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)
 - Enid
 - Acme
 - 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: **[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.

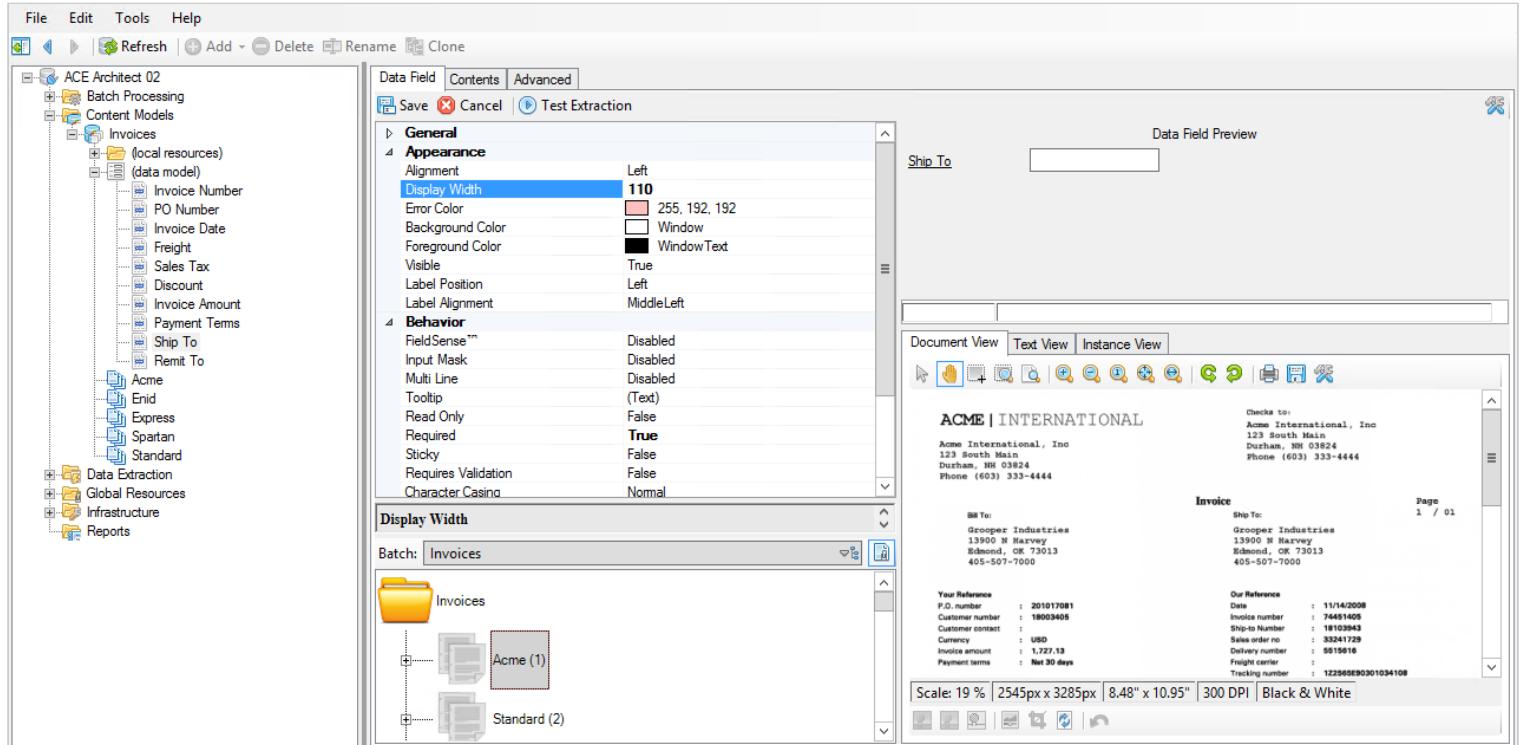
Property Type: [Grooper Node](#)

The referenced extractor path is: Invoices • (local resources) • _Global • Extractors • Lexicons • Overrides • [Enid] Sales Tax

Data Model Adjustments

Content Models / Invoices / (data model) / **Ship To**

1. In the Appearance section, set the Display Width property to **110**
2. In the Behavior section, set the Multi Line property to **Enabled**
3. Expand Multi Line and set the Multi Line Height property to **45**
4. Set the Word Wrap property to **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**: Enabled
- Tooltip: (Text)
- Read Only: False
- Required: True
- Sticky: False
- Requires Validation: False
- Character Casin...: Normal

Multi Line

Batch: Invoices

Ship To

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

Your Reference

| | |
|-----------------|---------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Current contact | : 18103943 |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Our Reference

| | |
|-----------------|----------------------|
| Date | : 11/14/2008 |
| Invoice number | : 74461209 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241728 |
| Delivery number | : 5515616 |
| Freight carrier | : |
| Tracking number | : 122565E90301034108 |

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
- Multi Line Height: 45
- Word Wrap: True
- Tooltip: (Text)
- Read Only: False
- Required: True
- Sticky: False

Rubberband OCR Profile

Batch: Invoices

Ship To

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

Your Reference

| | |
|-----------------|---------------|
| P.O. number | : 201017081 |
| Customer number | : 18003405 |
| Current contact | : 18103943 |
| Currency | : USD |
| Invoice amount | : 1,727.13 |
| Payment terms | : Net 30 days |

Our Reference

| | |
|-----------------|----------------------|
| Date | : 11/14/2008 |
| Invoice number | : 74461209 |
| Ship-to Number | : 18103943 |
| Sales order no | : 33241728 |
| Delivery number | : 5515616 |
| Freight carrier | : |
| Tracking number | : 122565E90301034108 |

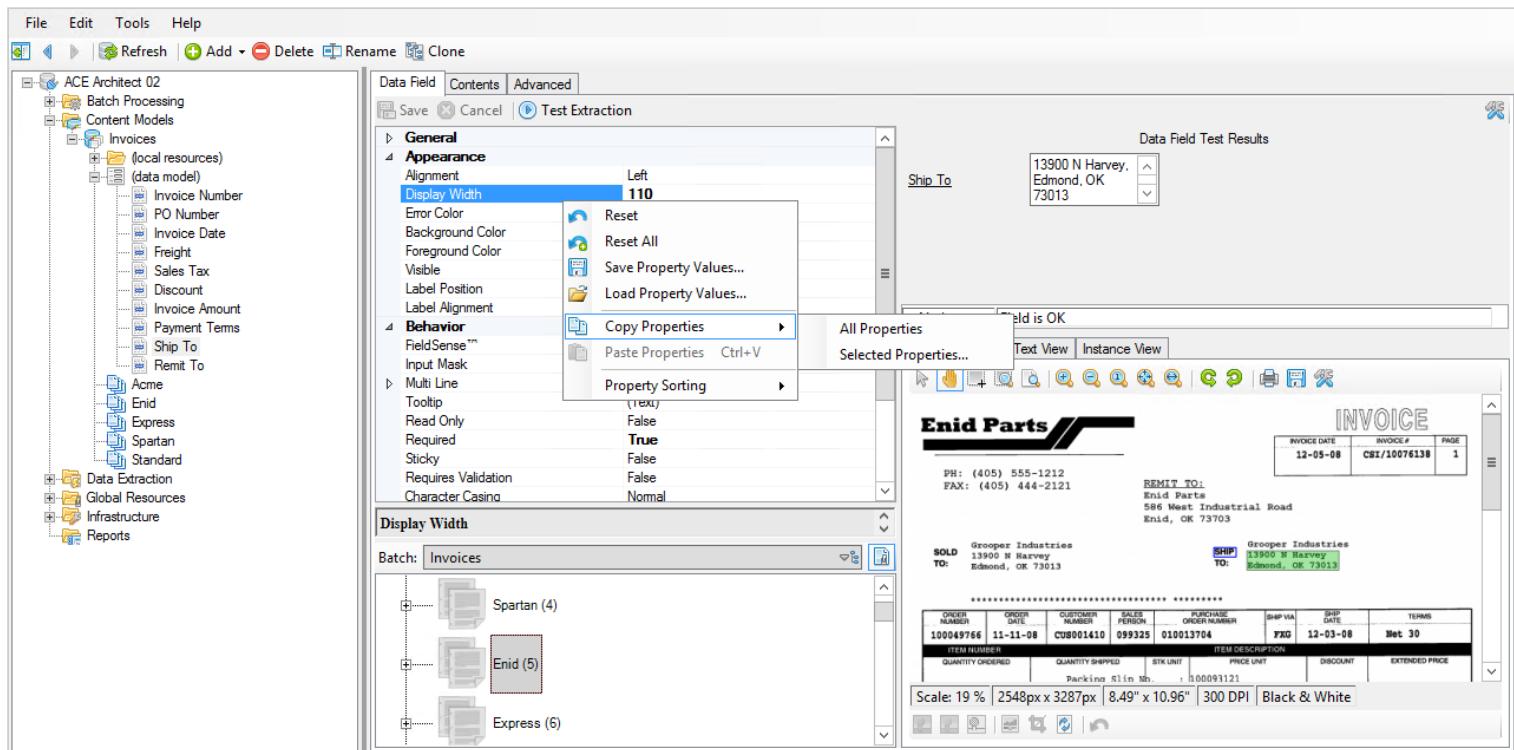
Scale: 19% | 2545px x 3285px | 8.48" x 10.95" | 300 DPI | Black & White

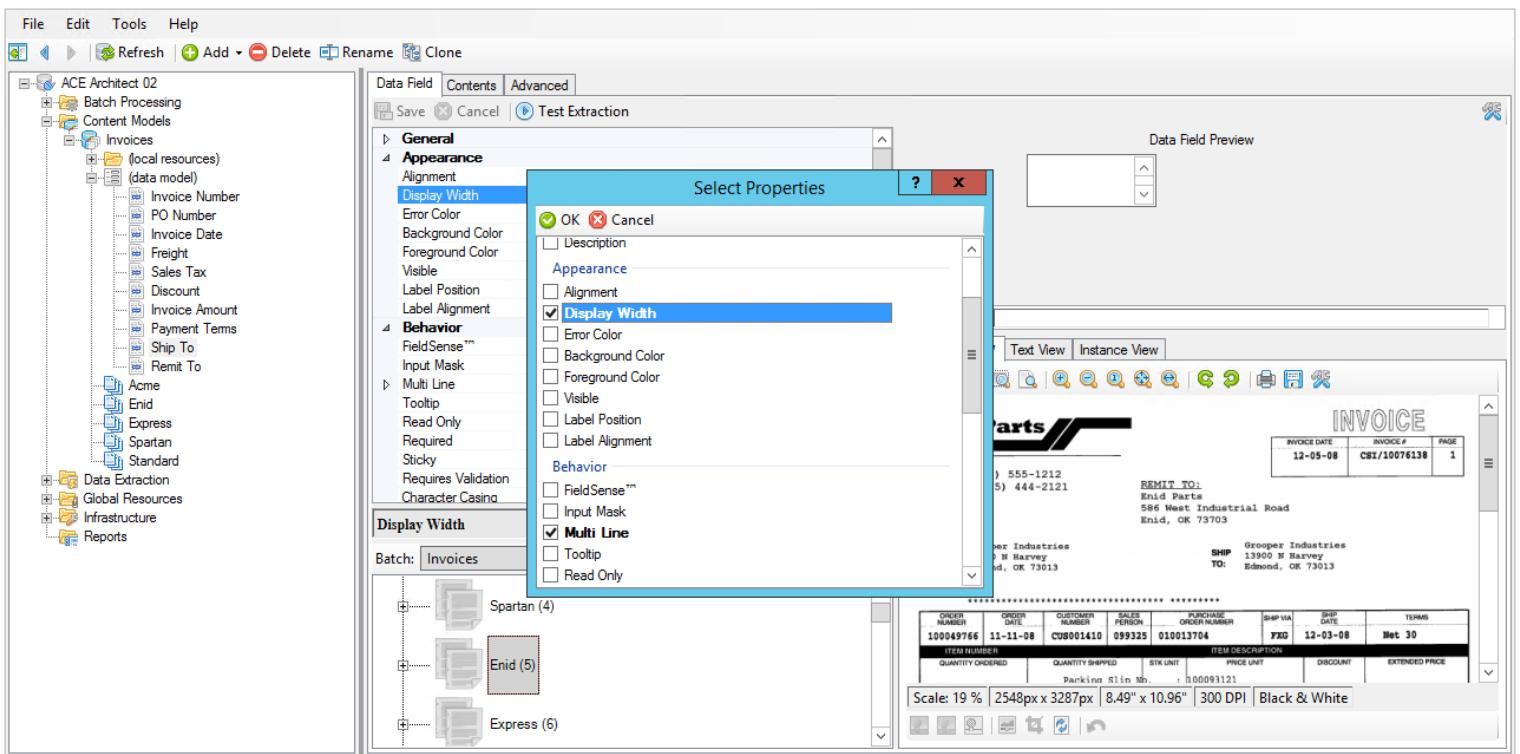
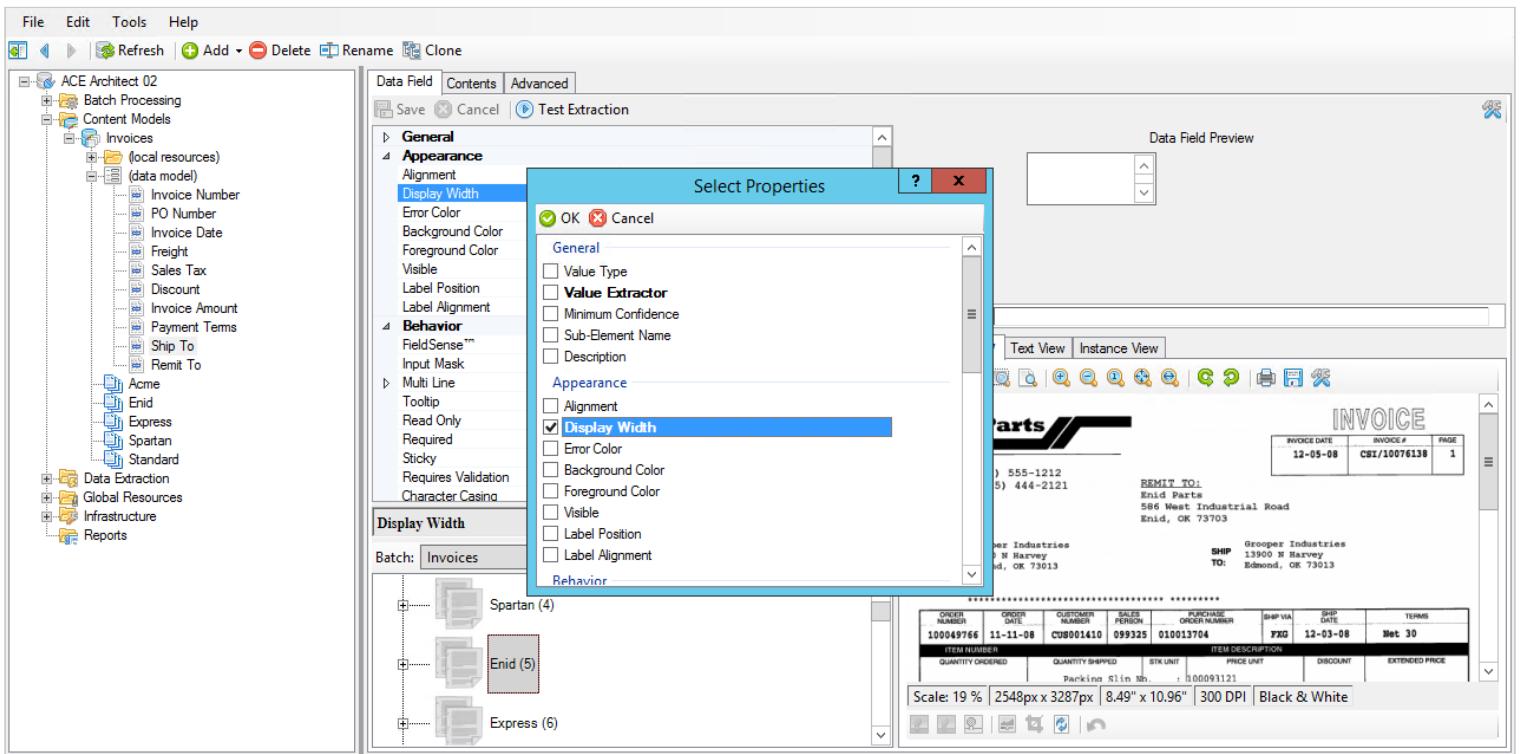
1. Right click on any of the property names and select Copy Properties > Selected Properties...

2. In the Select Properties window, check the boxes next to the properties to copy:

Display Width

Multi Line





E3 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
 - 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 | 100 |
| 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 Casing | Normal |

Data Field Preview

Remit To

Document View | Text View | Instance View

Enid Parts

INVOICE

| | | |
|--------------|--------------|------|
| INVOICE DATE | INVOICE # | PAGE |
| 12-05-08 | C81/10076138 | 1 |

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

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

Grooper Industries
13900 N Harvey
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 | FWD | 12-03-08 | Net 30 |
| ITEM NUMBER | ITEM DESCRIPTION | | | | | | |
| QUANTITY ORDERED | QUANTITY SHIPPED | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE | | |

Packing Slip No.: 100091121

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

| | |
|------------------|---------------|
| Alignment | Left |
| Display Width | 100 |
| 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 | |
| Read Only | |
| Required | |
| Sticky | |
| Requires Validation | |
| Character Casing | |

Multi Line

 - Reset All
 - Save Property Values...
 - Load Property Values...
 - Copy Properties
 - Paste Properties **Ctrl+V**
 - Property Sorting

Data Field Preview

Remit To

Document View | Text View | Instance View

Enid Parts

INVOICE

| | | |
|--------------|--------------|------|
| INVOICE DATE | INVOICE # | PAGE |
| 12-05-08 | C81/10076138 | 1 |

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

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

Grooper Industries
13900 N Harvey
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 | FWD | 12-03-08 | Net 30 |
| ITEM NUMBER | ITEM DESCRIPTION | | | | | | |
| QUANTITY ORDERED | QUANTITY SHIPPED | STK UNIT | PRICE UNIT | DISCOUNT | EXTENDED PRICE | | |

Packing Slip No.: 100091121

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

- 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: Enabled
- Multi Line:
 - Tooltip: (Text)
 - Read Only: False
 - Required: True
 - Sticky: False
 - Requires Validation: False
 - Character Casino: Normal

Multi Line

Batch: Invoices

Spartan (4)

Enid (5)

Express (6)

Data Field Preview

Document View | Text View | Instance View

Enid Parts

INVOICE

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

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

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

Grooper Industries
13900 N Harvey
Edmond, OK 73013

SHP 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 | CUB001410 | 099325 | 010013704 | FWD | 12-03-08 | Net 30 |

ITEM DESCRIPTION

Quantity Ordered Quantity Shipped Unit Price Unit Discount Extended Price

Packing Slip No.: 100093121

Scale: 19 % | 2548px x 3287px | 8.49" x 10.96" | 300 DPI | Black & White

E5 Content Models / Invoices / (data model)

1. In the Child Element Options section, set the Show Fields In Grid property to **True**
2. In the toolbar, click the Test Extraction button to test all fields against a document

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 Model | Extraction Testing | Scripting | Contents | Advanced | Save | Cancel | Test Extraction

General

- Show Content Type: False
- Description:

Multi-Level Display

- Show Level Header: True
- Level Header Alignment: MiddleLeft
- Level Header Background Color: Control
- Level Header Foreground Color: ControlText
- Level Header Font Style: Regular

Child Element Options

- Child Label Width: 100
- Show Fields In Grid: False

Appearance

- Background Color: Control
- Foreground Color: ControlText
- Label Position: Left
- Label Alignment: MiddleLeft

Behavior

- Preserve Character Data: False
- Rubberband OCR Profile:

Data Model

Batch: Invoices

Acme (1)

Standard (2)

Data Model Preview

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

Document View | Text View | Instance View

ACME | INTERNATIONAL

Check to:
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

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 Model Extraction Testing Scripting Contents Advanced

Save Cancel Test Extraction

General

Multi-Level Display

Child Element Options

Child Label Width: 100
Show Fields In Grid: True
Field Label Background Color: Control
Field Label Foreground Color: ControlText

Appearance

Behavior

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

ACME | INTERNATIONAL

Check to: 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

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

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 Model Extraction Testing Scripting Contents Advanced

Save Cancel Test Extraction

General

Multi-Level Display

Child Element Options

Child Label Width: 100
Show Fields In Grid: True
Field Label Background Color: Control
Field Label Foreground Color: ControlText

Appearance

Behavior

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 |

Show Fields In Grid

Batch: Invoices

No Issues Field is OK

Document View Text View Instance View

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

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

Your Reference Date: 11/14/2008 Our Reference Date: 11/14/2008

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