Stuff, stuff, and more stuff – acquisitions with EDI

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• EDI
• Evergreen’s approach
• Setting up for EDI
• Workflows
EDI

- There are two main EDI standards in use: EDIFACT and X12
- Evergreen currently supports EDIFACT
- Want X12 support? That’s an opportunity to contribute
EDIFACT

- UN/EDIFACT
- You can order and track aircraft with that!
- EDItEUR
Example ORDERS message

EDI Account
baker_taylor

Filename
123EVER.In/dllyEK_un

EDI Message Body
door1MD+F+BPU1MD+F+BPD1MD+F+BPH1QTY+21:2#PRI+AA1:15:25>RFF+LI:525/1652+LIN+1650++9781400067633:ENP:PA+5+9781400067633:EN+1
d aNovel1MD+F+BPU1MD+F+BPD1MD+F+BPH1QTY+21:1#PRI+AA1:16:5>RFF+LI:525/1650+UNS+S:CNT+2:3#UNT+37+1#UNZ+1+1'

EDI Message ID
5

JEDI Message Body
{ "recipient": "1556150", "sender": ", "body": [{ "ORDERS": [{ "order": [{ "po_number": "525", "date": "20100922", "buyer": // btreg ("id-qualifier": 91, "id": "00" ["id-qualifier": 92, "id": "7"]), "currency": "USD", "items": [{ "line_index": "1651", "identifiers": [{ "id-qualifier": "EN", "id": "9781416590958" }, { "id-qualifier": "IN desc": { "BTH": "No Mercy: a Mystery" }, { "BPU": "", } }, { "BPD": "", } ], "free-text": [], "quantity": 3 }, { "line_index": "1652", "identifiers": [{ "id-qualifier": "EN", "id": "9780061726163" }, { "id-qualifier": "IN", "id": "1652" }, "price": 15.25, "desc": { "BTH": "The red door" }, { "BPU": ", "BPD": ", "BPH": "quantity": 2 }, { "line_index": "1650", "identifiers": [{ "id-qualifier": "EN", "id": "9781400067633" }, { "id-qualifier": "IN", "id": "1650" }, "price": 16.50, "desc": { "BTH": "", } }, { "BPU": "", } ], "free-text": [], "quantity": 1 }, { "line_items": 3 }] }] ]} }
EDIFACT messages

- ORDERS
- INVOIC
- ORDRSP
Setting up for EDI

• Herd the free kittens!
  • edi_fetcher.pl
  • edi_pusher.pl
  • action_trigger_runner.pl
• A/T template
• edi_translator
Setting up for EDI

- Vendor records
- SANs
- EDI profiles
- Shipping messages around
## EDI profile

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDI Account ID</td>
<td>1</td>
</tr>
<tr>
<td>Label</td>
<td>baker_taylor</td>
</tr>
<tr>
<td>Host</td>
<td>ftp://ftp.baker-taylor.com</td>
</tr>
<tr>
<td>Username</td>
<td>XXX</td>
</tr>
<tr>
<td>Password</td>
<td>XXX</td>
</tr>
<tr>
<td>Account</td>
<td></td>
</tr>
<tr>
<td>Owner</td>
<td>JD</td>
</tr>
<tr>
<td>Last Activity</td>
<td>9/23/2010</td>
</tr>
<tr>
<td>Provider</td>
<td>btreg</td>
</tr>
<tr>
<td>Path</td>
<td>123EVER.In</td>
</tr>
<tr>
<td>Incoming Directory</td>
<td>123EVER.out</td>
</tr>
<tr>
<td>Vendor Account Number</td>
<td></td>
</tr>
<tr>
<td>Vendor Assigned Code</td>
<td>0001</td>
</tr>
</tbody>
</table>

[Buttons: Cancel, Save]
Workflows – Ordering

- Do normal process for selecting and ordering
- When it comes time to activate, magic happens!
Behind the magic

• Activation triggers event to ...
• Gather order information into JSON ...
• That edi_pusher fetches and ...
• Converts to EDIFACT using edi_translator ...
• Then sends to vendor
Workflows – responses

• Order responses
• Update statuses
• Invoices
  • Create invoices
• You still have to approve them – Evergreen doesn’t pay your providers, at least not yet
Coming down the pike

- Enriched orders
- More testing, more partners
Thanks!

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