

Enrichment Overview and Configuration

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V1.1

Overview

Data enrichment refers to the process of adding additional data above the extraction data. You can add this enrichment data from a master database.

You can validate and update the enrichment data in the portal on the Eyeball page.
For details, see [this article](#).

Prerequisites

Make sure you have `enrichment.yaml` and `InvoiceLineItem-invoice-enrichment.yaml` configuration files defined in the system.

Configuration

The predefined configuration in yaml files define the criteria for deciding from where and which data is fetched for enrichment. The two sources to take data from can be the side-car or a master data.

Template

`enrichment.yaml`

```

kind: document
metadata:
  name: extraction/v1/document-classification
spec:
nodes:
  - if: true
    nodes: !include priority-calculation.yaml

  - if: true
    nodes: !include target-date-calculation.yaml

  - if: true
    then:
      name: Creation_Date
      value: '@Creation_Date'
  - if: true
    then:
      name: Image_Name
      value: '@Image_Name + ".pdf"'
  - if: true
    then:
      name: OCR_Id
      value: 'ToString(ToGuid(wf.Variables["transactionGuid"]))'
  - if: true
    then:
      name: OCR_Index_Date_Time
      value: 'wf.CreatedAt'
  - if: true
    then:
      name: currency
      value: USD
  - if: 'it["TotalTax"].Value == null'
    then:
      name: TotalTax
      value: 0
  - if: true
    then:
      name: OpcoCode
      value: '@Data.Query("GetOpCoFromAddress", new object[] { ToString(it["BillingAddress"]?.Value), ToString(it["ShippingAddress"]?.Value), ToString(it["soldToAddress"]?.Value), ToString(it["CustomerAddress"]?.Value) }).opco_code'
  - if: true
    then:
      name: VendorUpdateRequired
      value: false
  - if: '!string.IsNullOrEmpty(it["InvoiceId"]?.Value?.ToString())'
    then:
      name: InvoiceId
      value: 'Join(it["InvoiceId"]?.Value?.ToString().ToCharArray().Where(char.IsLetterOrDigit(it)), "")'

```

Parameter	Description
If then	The condition to execute the rule for enrichment.
If then (Priority)	The condition to trigger priority-calculation.yaml file.
if then (Target Date)	The condition to trigger target-date-calculation.yaml file .
Name	The name of the field.

Parameter	Description
Value	The value of the field, based on fulfilment of the condition.

For example, in the above template:

- If there is an OCR_Id field then the value for the field will be the workflow variable named “transactionGuid”.
- If there is a currency field then the currency value is set to USD.

```
- if: true
  then:
    name: OCR_Id
    value: ': ToString(ToGuid(wf.Variables["transactionGuid"]))'
```

- the extraction returns null if it can’t find content of a field, so while enrichment the system replaces null to 0. In the example below, since the total tax value is ‘null’, so it is replaced and the total tax value after enrichment is 0.

```
- if: 'it["TotalTax"].Value == null'
  then:
    name: TotalTax
    value: 0
```

- Since the conditions for the target date and priority are set to true, so both priority-calculation.yaml and target-date-calculation.yaml files will be triggered. In addition, it is possible to configure these conditions based on specific needs.

```
- if: true
  nodes: !include priority-calculation.yaml

- if: true
  nodes: !include target-date-calculation.yaml
```

InvoiceLineItem-invoice-enrichment.yaml

```
- if: true
  then:
    name: LineItemNumber
    value: ': @Index'
```

For example, in the above configuration, if the enrichment is enabled then the value of the LineItemNumber field will be the running number for each line item in the system.

Header level enrichment rules:

The Enrichment rules for header level field has following condition:

- You can add If: '@index == null' condition to every header-level enrichment rule.
- You can update an existing condition with AND operator.
- Replace the If 1 ==1 condition with If: '@index ==null condition. Don't keep both the conditions.

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  name: extraction/v1/document-classification
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  nodes:
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      then:
        name: Creation_Date
        value: '@Creation_Date'
    - if: true
      then:
        name: Image_Name
        value: '@Image_Name + ".pdf"'
    - if: true
      then:
        name: OCR_Id
        value: 'ToString(ToGuid(wf.Variables["transactionGuid"]))'
    - if: true
      then:
        name: OCR_Index_Date_Time
        value: 'wf.CreatedAt'
    - if: true
      then:
        name: currency
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    - if: 'it["TotalTax"].Value == null'
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```

- if: true
  then:
    name: OCR_Id
    value: 'ToString(ToGuid(wf.Variables["transactionGuid"]))'

```

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```
- if: 'it["TotalTax"].Value == null'
  then:
    name: TotalTax
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```

InvoiceLineItem-invoice-enrichment.yaml

```
- if: true
  then:
    name: LineItemNumber
    value: '@Index'
```

For example, in the above configuration, if the enrichment is enabled then the value of the LineItemNumber field will be the running number for each line item in the system.