avro.decode

Decodes a field's raw data in the Avro format.

Description

The processor takes raw data (bytes or a string) in the specified field and decodes it from the <u>Avro format</u> into structured data. It extracts the schema ID from the data, downloads the associated schema from the <u>schema registry</u> and decodes the payload. The schema is cached locally after it's first downloaded.

If the processor encounters structured data or the data can't be decoded it returns an error.

This processor is the counterpart to avro.encode.

Configuration parameters

- YAML
- Table

version:

2.2 pipelines: -

id: example status: running connectors:

define source and destination ...

processors:-

id: example plugin:

"avro.decode" settings:

The password to use with basic authentication. This option is

required if auth.basic.username contains a value. If both auth.basic.username and auth.basic.password are empty basic

authentication is disabled.

Type: string

auth.basic.password:

....

The username to use with basic authentication. This option is

required if auth.basic.password contains a value. If both

auth.basic.username and auth.basic.password are empty basic

authentication is disabled.

Type: string

auth.basic.username:

,,,,

The field that will be decoded.

For more information about the format, see [Referencing fields](https://conduit.io/docs/processors/referencing-fields).

Type: string

field:

".Payload.After"

The path to a file containing PEM encoded CA certificates. If this

option is empty, Conduit falls back to using the host's root CA set.

Type: string

tls.ca.cert:

The path to a file containing a PEM encoded certificate. This option

is required if tls.client.key contains a value. If both tls.client.cert and tls.client.key are empty TLS is disabled.

Type: string

tls.client.cert:

""

The path to a file containing a PEM encoded private key. This option

is required if tls.client.cert contains a value. If both tls.client.cert and tls.client.key are empty TLS is disabled.

Type: string

tls.client.key:

,,,,

URL of the schema registry (e.g. http://localhost:8085) Type: string

url:

"" Name Type Default Description auth.basic.password string .css-145lt8w{max-width:100%;fontfamily: "Roboto". "Helvetica", "Arial", sans-serif; font-size: 0.8125 rem; display: -webkit-inline-box; flex;display:-ms-inline-flexbox;display:inline-flex;-webkit-align-items:center;-webkit-box-align:center;-ms-flexalign:center;align-items:center;-webkit-box-pack:center;-ms-flex-pack:center;-webkit-justify-content:center;justifycontent:center;height:32px;color:rgba(0, 0, 0, 0.87);background-color:rgba(0, 0, 0, 0.08);border-radius:16px;whitespace:nowrap;-webkit-transition:background-color 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms,box-shadow 300ms cubicbezier(0.4, 0, 0.2, 1) 0ms;transition:background-color 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms;box-shadow 300ms cubicbezier(0.4, 0, 0.2, 1) 0ms;cursor:unset;outline:0;-webkit-text-decoration:none;textdecoration:none;border:0;padding:0;vertical-align:middle;box-sizing:border-box;}.css-145lt8w.Muidisabled{opacity:0.38;pointer-events:none;}.css-145lt8w .MuiChip-avatar{margin-left:5px;margin-right:-6px;width:24px;height:24px;color:#616161;font-size:0.75rem;}.css-145lt8w .MuiChipavatarColorPrimary{color:#fff;background-color:#1565c0;}.css-145lt8w .MuiChipavatarColorSecondary{color:#fff;background-color:#7b1fa2;}.css-145lt8w .MuiChip-avatarSmall{margin-left:4px;marginright:-4px;width:18px;height:18px;font-size:0.625rem;}.css-145lt8w .MuiChip-icon{margin-left:5px;margin-right:-6px;color:#616161;}.css-145lt8w .MuiChip-deleteIcon{-webkit-tap-highlight-color:transparent;color:rgba(0, 0, 0, 0.26);fontsize:22px;cursor:pointer;margin:0 5px 0 -6px; l.css-145lt8w .MuiChip-deletelcon:hover{color:rgba(0, 0, 0, 0.4); l.css-9iedg7{overflow:hidden;text-overflow:ellipsis;padding-left:12px;padding-right:12px;white-space:nowrap;} null The password to use with basic authentication. This option is required if auth.basic.username contains a value. If both auth.basic.username and auth.basic.password are empty basic authentication is disabled. auth.basic.username string .css-145lt8w{maxwidth:100%;font-family:"Roboto","Helvetica","Arial",sans-serif;font-size:0.8125rem;display:-webkit-inline-box;display:-webkit-box;display:-webkit-inline-box;display:-webkit-inline-box;display:-webkit-inline-box;display:-webkit-inline-box;display:-webkit-box;display:-webkit-box;display:-webkit-box;display:-webkit-box; inline-flex;display:-ms-inline-flexbox;display:inline-flex;-webkit-align-items:center;-webkit-box-align:center;-ms-flexalign:center;align-items:center;-webkit-box-pack:center;-ms-flex-pack:center;-webkit-justify-content:center;justifycontent:center;height:32px;color:rgba(0, 0, 0, 0.87);background-color:rgba(0, 0, 0, 0.08);border-radius:16px;whitespace:nowrap;-webkit-transition:background-color 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms,box-shadow 300ms cubicbezier(0.4, 0, 0.2, 1) 0ms;transition:background-color 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms;box-shadow 300ms cubicbezier(0.4, 0, 0.2, 1) 0ms;cursor:unset;outline:0;-webkit-text-decoration:none;textdecoration:none;border:0;padding:0;vertical-align:middle;box-sizing:border-box;}.css-145lt8w.Muidisabled{opacity:0.38;pointer-events:none;}.css-145lt8w .MuiChip-avatar{margin-left:5px;margin-right:-6px;width:24px;height:24px;color:#616161;font-size:0.75rem;}.css-145lt8w .MuiChipavatarColorPrimary{color:#fff;background-color:#1565c0;}.css-145lt8w .MuiChipavatarColorSecondary{color:#fff;background-color:#7b1fa2;}.css-145lt8w .MuiChip-avatarSmall{margin-left:4px;marginright:-4px;width:18px;height:18px;font-size:0.625rem;}.css-145lt8w .MuiChip-icon{margin-left:5px;margin-right:-6px;color:#616161;}.css-145lt8w .MuiChip-deleteIcon{-webkit-tap-highlight-color:transparent;color:rgba(0, 0, 0, 0.26);fontsize:22px;cursor:pointer;margin:0 5px 0 -6px;}.css-145lt8w .MuiChip-deletelcon:hover{color:rgba(0, 0, 0, 0.4);} .css-9iedg7{overflow:hidden;text-overflow:ellipsis;padding-left:12px;padding-right:12px;white-space:nowrap;} null The username to use with basic authentication. This option is required if auth.basic.password contains a value. If both auth.basic.username and auth.basic.password are empty basic authentication is disabled. field string .Payload.After The field that will be decoded.

For more information about the format, see Referencing fields. tls.ca.cert string .css-145lt8w{max-width:100%;font-family:"Roboto","Helvetica","Arial",sans-serif;font-size:0.8125rem;display:-webkit-inline-box;display:-webkit-inline-flex;display:-ms-inline-flexbox;display:inline-flex;-webkit-align-items:center;-webkit-box-align:center;-ms-flex-

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tls.client.key are empty TLS is disabled. tls.client.key string .css-145lt8w{max-width:100%;font-
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file containing a PEM encoded private key. This option is required if tls.client.cert contains a value. If both tls.client.cert and
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9iedg7{overflow:hidden;text-overflow:ellipsis;padding-left:12px;padding-right:12px;white-space:nowrap;} null URL of the
schema registry (e.g.http://localhost:8085)
```

Examples

Decode a record field in Avro format

This example shows the usage of theavro.decode processor. The processor decodes the record's. Key field using the schema that is downloaded from the schema registry and needs to exist under the subject example-decode. In this example we use the following schema:

```
{ "type" : "record" , "name" : "record" , "fields" : [ { "name" : "myString" , "type" : "string" } , { "name" : "myInt" , "type" : "int" } ]
```

Configuration parameters

- YAML
- Table

version:

2.2 pipelines : -

processors: -

id: example status: running connectors:

define source and destination ...

```
id: example plugin:
"avro.decode" settings : auth.basic.password :
"" auth.basic.username:
"" field:
".Key" tls.ca.cert:
"" tls.client.cert:
"" tls.client.key:
"" url :
"http://127.0.0.1:54322" Name Value auth.basic.password .css-145lt8w{max-width:100%;font-
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align-items:center;-webkit-box-align:center;-ms-flex-align:center;align-items:center;-webkit-box-pack:center;-ms-flex-align:center;align-items:center;-webkit-box-pack:center;-ms-flex-align:center;align-items:center;-webkit-box-pack:center;-ms-flex-align:center;align-items:center;-webkit-box-pack:center;-ms-flex-align:center;align-items:center;-ms-flex-align:center;align-items:center;-ms-flex-align:center;align-items:center;-ms-flex-align:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;align-items:center;a
pack:center;-webkit-justify-content:center;justify-content:center;height:32px;color:rgba(0, 0, 0, 0.87);background-
color:rgba(0, 0, 0, 0.08);border-radius:16px;white-space:nowrap;-webkit-transition:background-color 300ms cubic-
bezier(0.4, 0, 0.2, 1) 0ms.box-shadow 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms;transition;background-color 300ms cubic-
bezier(0.4, 0, 0.2, 1) 0ms,box-shadow 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms;cursor:unset;outline:0;-webkit-text-
decoration:none;text-decoration:none;border:0;padding:0;vertical-align:middle;box-sizing:border-box;}.css-145lt8w.Mui-
```

disabled{opacity:0.38;pointer-events:none;}.css-145lt8w .MuiChip-avatar{margin-left:5px;margin-right:-

6px;width:24px;height:24px;color:#616161;font-size:0.75rem;}.css-145lt8w .MuiChipavatarColorPrimary{color:#fff;background-color:#1565c0;}.css-145lt8w .MuiChipavatarColorSecondary{color:#fff;background-color:#7b1fa2;}.css-145lt8w .MuiChip-avatarSmall{margin-left:4px;marginright:-4px;width:18px;height:18px;font-size:0.625rem;}.css-145lt8w .MuiChip-icon{margin-left:5px;margin-right:-6px;color:#616161;}.css-145lt8w .MuiChip-deleteIcon{-webkit-tap-highlight-color:transparent;color:rgba(0, 0, 0, 0.26);fontsize:22px;cursor:pointer;margin:0 5px 0 -6px;}.css-145lt8w .MuiChip-deleteIcon:hover{color:rgba(0, 0, 0, 0, 0.4);} .css-9iedg7{overflow:hidden;text-overflow:ellipsis;padding-left:12px;padding-right:12px;white-space:nowrap;} null field .Key tls.ca.cert .css-145lt8w{max-width:100%;font-family:"Roboto","Helvetica","Arial",sans-serif;font-size:0.8125rem;display:webkit-inline-box;display:-webkit-inline-flex;display:-ms-inline-flexbox;display:inline-flex;-webkit-align-items:center;-webkitbox-align:center;-ms-flex-align:center;align-items:center;-webkit-box-pack:center;-ms-flex-pack:center;-webkit-justifycontent:center; justify-content:center; height: 32px; color: rgba(0, 0, 0, 0.87); background-color: rgba(0, 0, 0, 0.08); borderradius:16px;white-space:nowrap;-webkit-transition:background-color 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms,box-shadow 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms;transition:background-color 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms,box-shadow 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms;cursor:unset;outline:0;-webkit-text-decoration:none;textdecoration:none;border:0;padding:0;vertical-align:middle;box-sizing:border-box;}.css-145lt8w.Muidisabled{opacity:0.38;pointer-events:none;}.css-145lt8w .MuiChip-avatar{margin-left:5px;margin-right:-6px;width:24px;height:24px;color:#616161;font-size:0.75rem;}.css-145lt8w .MuiChipavatarColorPrimary{color:#fff;background-color:#1565c0;}.css-145lt8w .MuiChipavatarColorSecondary{color:#fff;background-color:#7b1fa2;}.css-145lt8w .MuiChip-avatarSmall{margin-left:4px;marginright:-4px;width:18px;height:18px;font-size:0.625rem;}.css-145lt8w .MuiChip-icon{margin-left:5px;margin-right:-6px;color:#616161;}.css-145lt8w .MuiChip-deleteIcon{-webkit-tap-highlight-color:transparent;color:rgba(0, 0, 0, 0.26);fontsize:22px;cursor:pointer;margin:0 5px 0 -6px;}.css-145lt8w .MuiChip-deletelcon:hover{color:rgba(0, 0, 0, 0.4);} .css-9iedg7{overflow:hidden;text-overflow:ellipsis;padding-left:12px;padding-right:12px;white-space:nowrap;} null tls.client.cert .css-145lt8w{max-width:100%:font-family:"Roboto","Helvetica","Arial",sans-serif;font-size:0.8125rem:display:-webkit-inlinebox;display:-webkit-inline-flex;display:-ms-inline-flexbox;display:inline-flex;-webkit-align-items:center;-webkit-boxalign:center;-ms-flex-align:center;align-items:center;-webkit-box-pack:center;-ms-flex-pack:center;-webkit-justifycontent:center; justify-content:center; height: 32px; color: rgba(0, 0, 0, 0.87); background-color: rgba(0, 0, 0, 0.08); borderradius:16px;white-space:nowrap;-webkit-transition:background-color 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms,box-shadow 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms;transition:background-color 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms,box-shadow 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms;cursor:unset;outline:0;-webkit-text-decoration:none;textdecoration:none;border:0;padding:0;vertical-align:middle;box-sizing:border-box;}.css-145lt8w.Muidisabled{opacity:0.38;pointer-events:none;}.css-145lt8w .MuiChip-avatar{margin-left:5px;margin-right:-6px;width:24px;height:24px;color:#616161;font-size:0.75rem;}.css-145lt8w .MuiChipavatarColorPrimary{color:#fff;background-color:#1565c0;}.css-145lt8w .MuiChipavatarColorSecondary{color:#fff;background-color:#7b1fa2;}.css-145lt8w .MuiChip-avatarSmall{margin-left:4px;marginright:-4px;width:18px;height:18px;font-size:0.625rem;}.css-145lt8w .MuiChip-icon{margin-left:5px;margin-right:-6px;color:#616161;}.css-145lt8w .MuiChip-deleteIcon{-webkit-tap-highlight-color:transparent;color:rgba(0, 0, 0, 0.26);fontsize:22px;cursor:pointer;margin:0 5px 0 -6px;}.css-145lt8w .MuiChip-deletelcon:hover{color:rgba(0, 0, 0, 0.4);} .css-9iedg7{overflow:hidden;text-overflow:ellipsis;padding-left:12px;padding-right:12px;white-space:nowrap;} null tls.client.key .css-145lt8w{max-width:100%;font-family:"Roboto","Helvetica","Arial",sans-serif;font-size:0.8125rem;display:-webkit-inlinebox;display:-webkit-inline-flex;display:-ms-inline-flexbox;display:inline-flex;-webkit-align-items:center;-webkit-boxalign:center;-ms-flex-align:center;align-items:center;-webkit-box-pack:center;-ms-flex-pack:center;-webkit-justifycontent:center; justify-content:center; height: 32px; color: rgba(0, 0, 0, 0.87); background-color: rgba(0, 0, 0, 0.08); borderradius:16px;white-space:nowrap;-webkit-transition:background-color 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms,box-shadow 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms;transition:background-color 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms,box-shadow 300ms cubic-bezier(0.4, 0, 0.2, 1) 0ms;cursor:unset;outline:0;-webkit-text-decoration:none;textdecoration:none;border:0;padding:0;vertical-align:middle;box-sizing:border-box;}.css-145lt8w.Muidisabled{opacity:0.38;pointer-events:none;}.css-145lt8w .MuiChip-avatar{margin-left:5px;margin-right:-6px;width:24px;height:24px;color:#616161;font-size:0.75rem;}.css-145lt8w .MuiChipavatarColorPrimary{color:#fff;background-color:#1565c0;}.css-145lt8w .MuiChipavatarColorSecondary{color:#fff;background-color:#7b1fa2;}.css-145lt8w .MuiChip-avatarSmall{margin-left:4px;marginright:-4px;width:18px;height:18px;font-size:0.625rem;}.css-145lt8w .MuiChip-icon{margin-left:5px;margin-right:-6px;color:#616161;}.css-145lt8w .MuiChip-deleteIcon{-webkit-tap-highlight-color:transparent;color:rgba(0, 0, 0, 0.26);fontsize:22px;cursor:pointer;margin:0 5px 0 -6px;}.css-145lt8w .MuiChip-deletelcon:hover{color:rgba(0, 0, 0, 0.4);} .css-9iedg7{overflow:hidden;text-overflow:ellipsis;padding-left:12px;padding-right:12px;white-space:nowrap;} null url http://127.0.0.1:54322

Record difference

Before After 1

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{ 2

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