

Databases > LIBRARY\_CARD\_CATALOG > AUTHOR\_INGEST\_XML (PUBLIC)

Tables Views Schemas Stages File Formats Sequences Pipes

Load Table

Column Name	Ordinal ▲	Type	Nullable	Default	Comment
RAW_AUTHOR	1	VARIANT	true	NULL	

Table: LIBRARY\_CARD\_CATALOG.PUBLIC.AUTHOR\_INGEST\_XML

Data

Details

Filter result...

Columns ▾

Row	name	type	kind	null?	default	primary key	unique key	check	expres
1	RAW_AUTHOR	VARIANT	COLUMN	Y		N	N		

Load Data

Warehouse Source Files File Format Load Options

From where do you want to load files?

Load files from your computer

Select Files...

author\_with\_header.xml (text/xml) - 887B, last modified: 4/18/2020, 10:02:40 AM

Load Data

Warehouse Source Files File Format Load Options

XML\_FILE\_FORMAT ▾ +

Show SQL

Cancel Back Next Load

## Load Results

Loaded	File	Rows Parsed	Rows Loaded
✓	author_with_header.xml	1	1

OK

Results **Data Preview**

Table: LIBRARY\_CARD\_CATALOG.PUBLIC.AUTHOR\_INGEST\_XML

Data

Details

Filter result...

Row	RAW_AUTHOR
1	<dataset> <AUTHOR AUTHOR_UID="1"> <FIRST_NAME>Fiona</FIRST_NAME> <MIDDLE_NAME></MIDDLE

## Details

```
1 <dataset>
2   <AUTHOR AUTHOR_UID="1">
3     <FIRST_NAME>Fiona</FIRST_NAME>
4     <MIDDLE_NAME></MIDDLE_NAME>
5     <LAST_NAME>Macdonald</LAST_NAME>
6   </AUTHOR>
7   <AUTHOR AUTHOR_UID="2">
8     <FIRST_NAME>Gian</FIRST_NAME>
9     <MIDDLE_NAME>Paolo</MIDDLE_NAME>
10    <LAST_NAME>Faleschini</LAST_NAME>
11  </AUTHOR>
12  <AUTHOR AUTHOR_UID="3">
13    <FIRST_NAME>Laura</FIRST_NAME>
```

Done

Table: LIBRARY\_CARD\_CATALOG.PUBLIC.AUTHOR\_INGEST\_XML

Data

Details

Filter result...

Columns

Row	RAW_AUTHOR
1	<dataset> <AUTHOR AUTHOR_UID="1"> <FIRST_NAME>Fiona</FIRST_NAME> <MIDDLE_NAME></MIDDLE_NAME> <LAST_NAME>Macdona...
2	<AUTHOR AUTHOR_UID="1"> <FIRST_NAME>Fiona</FIRST_NAME> <MIDDLE_NAME></MIDDLE_NAME> <LAST_NAME>Macdonald</LAST_...
3	<AUTHOR AUTHOR_UID="2"> <FIRST_NAME>Gian</FIRST_NAME> <MIDDLE_NAME>Paolo</MIDDLE_NAME> <LAST_NAME>Faleschini</LA...
4	<AUTHOR AUTHOR_UID="3"> <FIRST_NAME>Laura</FIRST_NAME> <MIDDLE_NAME>K</MIDDLE_NAME> <LAST_NAME>Egendorf</LAST_...
5	<AUTHOR AUTHOR_UID="4"> <FIRST_NAME>Jan</FIRST_NAME> <MIDDLE_NAME></MIDDLE_NAME> <LAST_NAME>Grover</LAST_NAME...
6	<AUTHOR AUTHOR_UID="5"> <FIRST_NAME>Jennifer</FIRST_NAME> <MIDDLE_NAME></MIDDLE_NAME> <LAST_NAME>Clapp</LAST_NA...
7	
8	// Presents a kind of meta-data view of the data
9	SELECT raw_author:"\$"
10	FROM author_ingest_xml;
11	

Results Data Preview

Query ID SQL 1.56s 6 rows

Filter result...



Copy

Row	RAW_AUTHOR:"\$"
1	[{"\$": "Fiona", "@": "FIRST_NAME"}, {"\$": "", "@": "MIDDLE_NAME"}, {"\$": "Macdonald", "@": "LAST_NAME"}]
2	[{"\$": "Gian", "@": "FIRST_NAME"}, {"\$": "Paolo", "@": "MIDDLE_NAME"}, {"\$": "Faleschini", "@": "LAST_NAME"}]
3	[{"\$": "Laura", "@": "FIRST_NAME"}, {"\$": "K", "@": "MIDDLE_NAME"}, {"\$": "Egendorf", "@": "LAST_NAME"}]
4	[{"\$": "Jan", "@": "FIRST_NAME"}, {"\$": "", "@": "MIDDLE_NAME"}, {"\$": "Grover", "@": "LAST_NAME"}]
5	[{"\$": "Jennifer", "@": "FIRST_NAME"}, {"\$": "", "@": "MIDDLE_NAME"}, {"\$": "Clapp", "@": "LAST_NAME"}]
6	[{"\$": "Kathleen", "@": "FIRST_NAME"}, {"\$": "", "@": "MIDDLE_NAME"}, {"\$": "Petelinsek", "@": "LAST_NAME"}]

```

12 //shows the root or top level
13 SELECT raw_author:@"@"
14 FROM author_ingest_xml;
15

```

Results Data Preview

✓ Query ID SQL 68ms

Filter result...

Row	RAW_AUTHOR:@"@"
1	"AUTHOR"
2	"AUTHOR"
3	"AUTHOR"
4	"AUTHOR"
5	"AUTHOR"
6	"AUTHOR"

```

15
16 //returns AUTHOR_UID value from
17 SELECT raw_author:@"@AUTHOR_UID"
18 FROM author_ingest_xml;
19
20 //The first row is weird because

```

Results Data Preview

✓ Query ID SQL 1.86s

Filter result...

Row	RAW_AUTHOR:@"@AUTHOR_UID"
1	1
2	2
3	3
4	4
5	5
6	6

```

25 //returns value of NESTED OBJECT called FIRST_NAME
26 SELECT XMLGET(raw_author, 'FIRST_NAME'):"$"
27 FROM author_ingest_xml;
28

```

Results Data Preview

✓ Query ID SQL 122ms 6 rows

Filter result...



Copy

Row	XMLGET(RAW_AUTHOR, 'FIRST_NAME'):"\$"
1	"Fiona"
2	"Gian"
3	"Laura"
4	"Jan"
5	"Jennifer"
6	"Kathleen"

```

29 //returns the data in a way that makes it look like a normalized table
30 SELECT
31 raw_author:"@AUTHOR_UID" as AUTHOR_ID
32 ,XMLGET(raw_author, 'FIRST_NAME'):"$" as FIRST_NAME
33 ,XMLGET(raw_author, 'MIDDLE_NAME'):"$" as MIDDLE_NAME
34 ,XMLGET(raw_author, 'LAST_NAME'):"$" as LAST_NAME
35 FROM AUTHOR_INGEST_XML;
36

```

Results Data Preview

✓ Query ID SQL 656ms 6 rows

Filter result...  Copy

Row	AUTHOR_ID	FIRST_NAME	MIDDLE_NAME	LAST_NAME
1	1	"Fiona"	""	"Macdonald"
2	2	"Gian"	"Paolo"	"Faleschini"
3	3	"Laura"	"K"	"Egendorf"
4	4	"Jan"	""	"Grover"
5	5	"Jennifer"	""	"Clapp"
6	6	"Kathleen"	""	"Petelinsek"

```

37 //add ::STRING to cast the values into strings and get rid of the quotes
38 SELECT
39 raw_author:"@AUTHOR_UID" as AUTHOR_ID
40 ,XMLGET(raw_author, 'FIRST_NAME'):"$":::STRING as FIRST_NAME
41 ,XMLGET(raw_author, 'MIDDLE_NAME'):"$":::STRING as MIDDLE_NAME
42 ,XMLGET(raw_author, 'LAST_NAME'):"$":::STRING as LAST_NAME
43 FROM AUTHOR_INGEST_XML;

```

Results Data Preview

✓ Query ID SQL 72ms 6 rows

Filter result...  Copy

Row	AUTHOR_ID	FIRST_NAME	MIDDLE_NAME	LAST_NAME
1	1	Fiona		Macdonald
2	2	Gian	Paolo	Faleschini
3	3	Laura	K	Egendorf
4	4	Jan		Grover
5	5	Jennifer		Clapp
6	6	Kathleen		Petelinsek

## JSON

Results Data Preview

Table: LIBRARY\_CARD\_CATALOG.PUBLIC.AUTHOR\_INGEST\_JSON

Data

Details

Filter result...

Row	RAW_AUTHOR
1	{ "AUTHOR_UID": 1, "FIRST_NAME": "Fiona", "LAST_NAME": "Macdonald", "MIDDLE_NAME": null }
2	{ "AUTHOR_UID": 2, "FIRST_NAME": "Gian", "LAST_NAME": "Faleschini", "MIDDLE_NAME": "Paolo" }
3	{ "AUTHOR_UID": 3, "FIRST_NAME": "Laura", "LAST_NAME": "Egendorf", "MIDDLE_NAME": "K" }
4	{ "AUTHOR_UID": 4, "FIRST_NAME": "Jan", "LAST_NAME": "Grover", "MIDDLE_NAME": null }
5	{ "AUTHOR_UID": 5, "FIRST_NAME": "Jennifer", "LAST_NAME": "Clapp", "MIDDLE_NAME": null }

```
12 //returns the data in a way that makes it look like a normalized table
13 SELECT
14   raw_author:AUTHOR_UID
15 ,raw_author:FIRST_NAME::STRING as FIRST_NAME
16 ,raw_author:MIDDLE_NAME::STRING as MIDDLE_NAME
17 ,raw_author:LAST_NAME::STRING as LAST_NAME
18 FROM AUTHOR_INGEST_JSON;
```

results Data Preview

✓ Query ID SQL 359ms 6 rows

Filter result...



Copy

Row	RAW_AUTHOR:AUTHOR_UID	FIRST_NAME	MIDDLE_NAME	LAST_NAME
1	1	Fiona	NULL	Macdonald
2	2	Gian	Paulo	Faleschini
3	3	Laura	K	Egendorf
4	4	Jan	NULL	Grover
5	5	Jennifer	NULL	Clapp