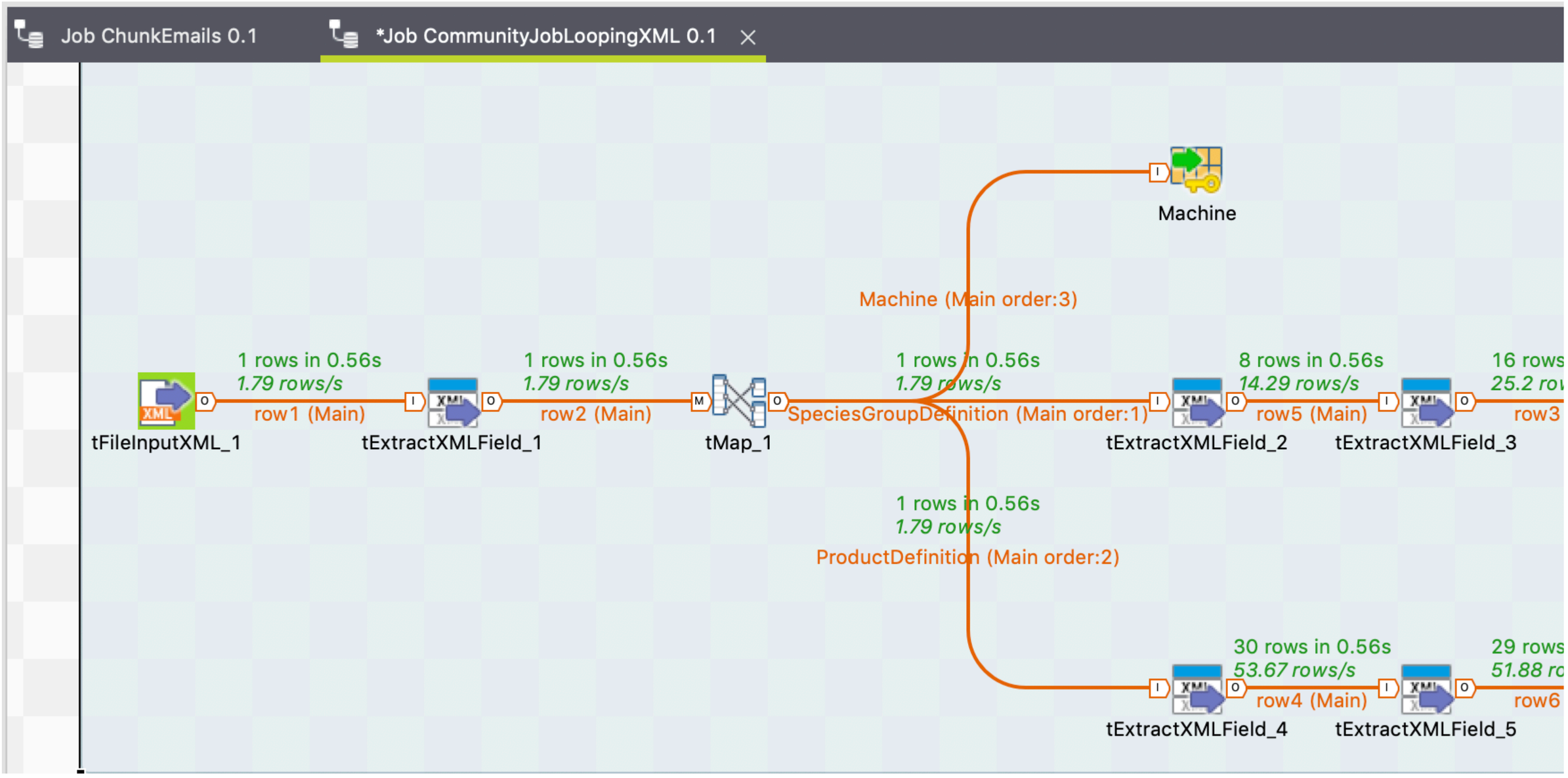
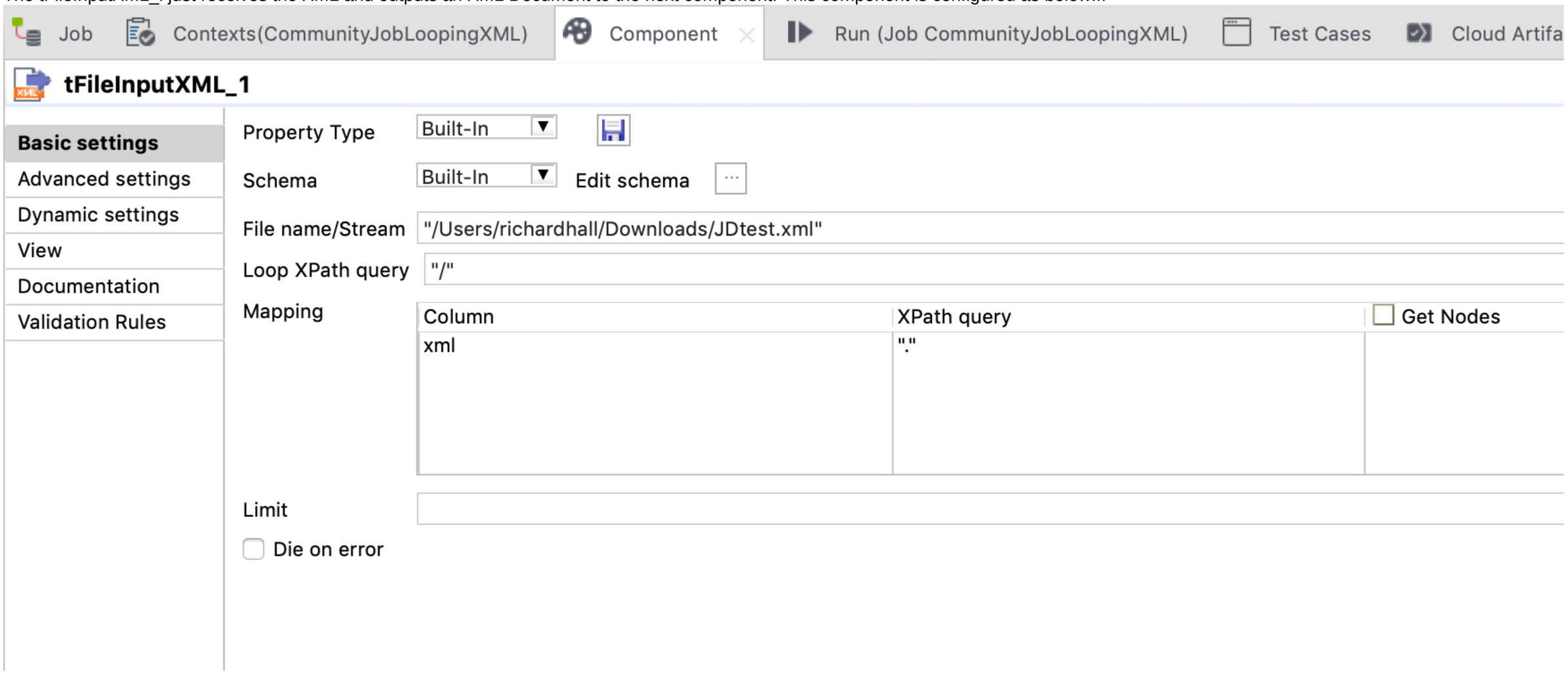
I have put together a quick job that I think covers what you want. Hopefully my screenshots will tell the story, but I will add some descriptions where I think more info is needed.

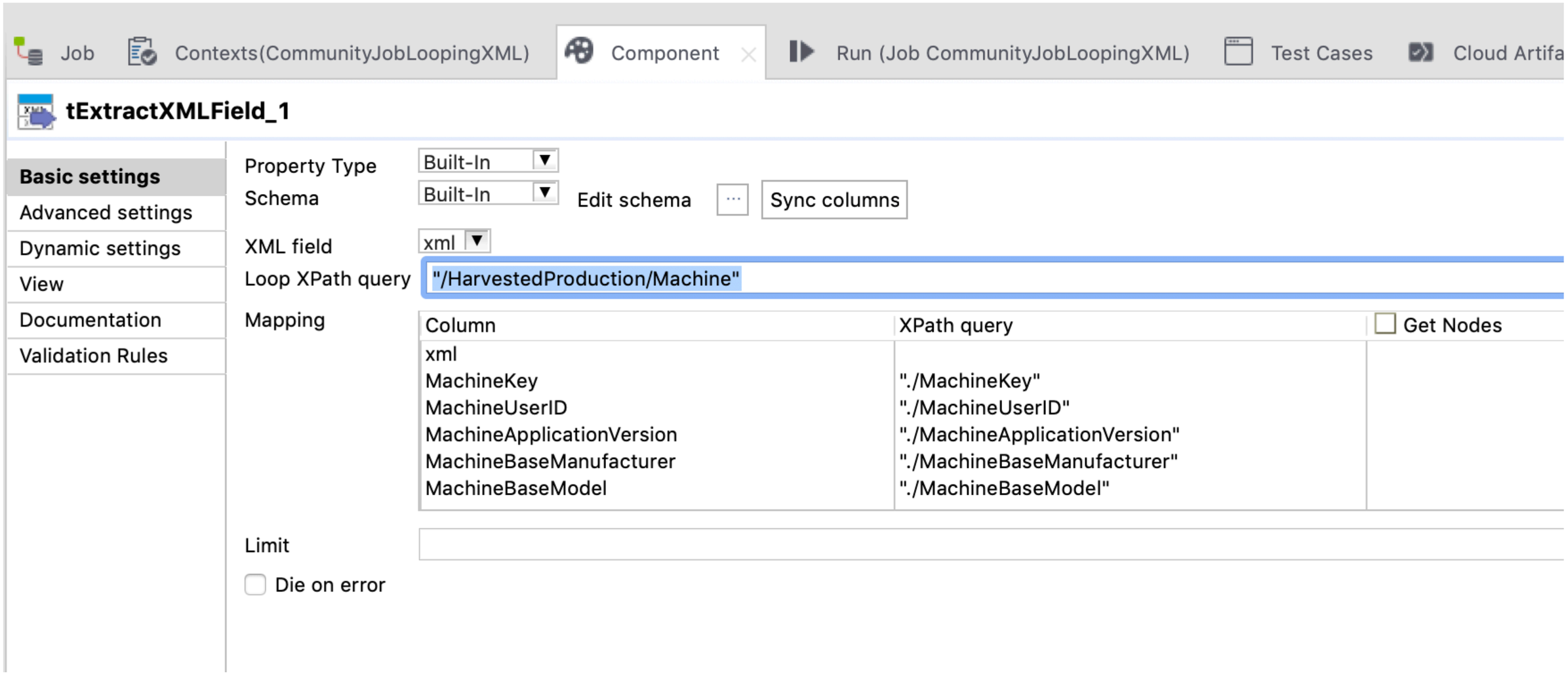


The above is a screenshot of the job. It is split into 3 paths; one for the Machine data, one for the SpeciesGroupDefinition data and one for the ProductDefinition data. This split takes place at the tMap_1.

The tFileInputXML_l just receives the XML and outputs an XML Document to the next component. This component is configured as below...



The next component (tExtractXMLField_1) is used to extract the "Machine" data and also passes the XML Document on untouched to the tMap_1. This is done by simply including the "xml" column without an XPath query. When you include a column that has been received from a previous component without an XPath query, it acts as a pass through. As shown below....



I won't show the tMap_1 component. It simply sends the "Machine" columns to the "Machine" tHashOutput component and sends the "xml" column to other two outputs for further processing.

The next component is the tExtractXMLField_2 component.

Job | Contexts(CommunityJobLoopingXML) | Component | Run (Job CommunityJobLoopingXML) | Test Cases | Cloud Artifa

tExtractXMLField_2

- **Basic settings**
- Advanced settings
- Dynamic settings
- View
- Documentation
- Validation Rules

Property Type: Built-In

Schema: Built-In Edit schema Sync columns

XML field: xml

Loop XPath query: "/HarvestedProduction/Machine/SpeciesGroupDefinition"

Mapping

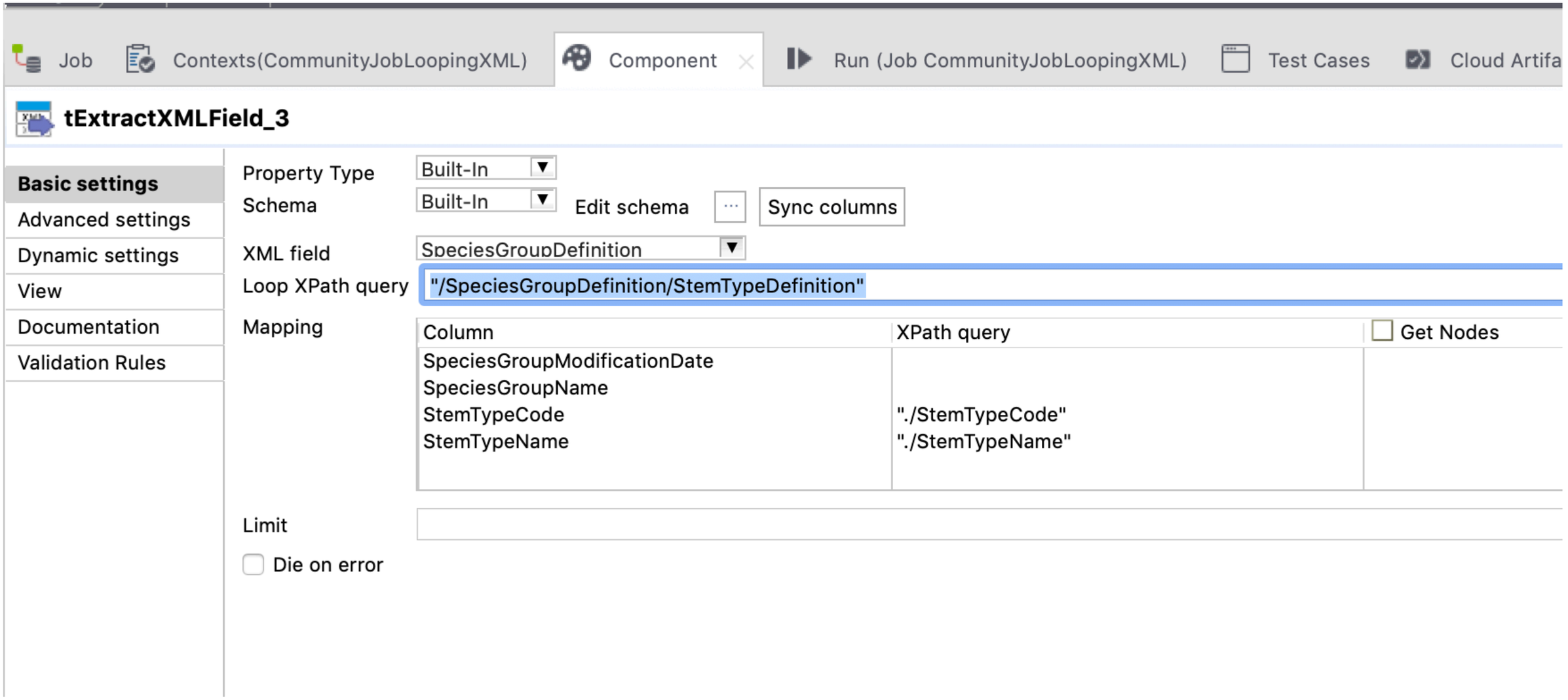
Column	XPath query	Get Nodes
SpeciesGroupDefinition	"."	
SpeciesGroupModificationDate	"./SpeciesGroupModificationDate"	
SpeciesGroupName	"./SpeciesGroupName"	

Limit

Die on error

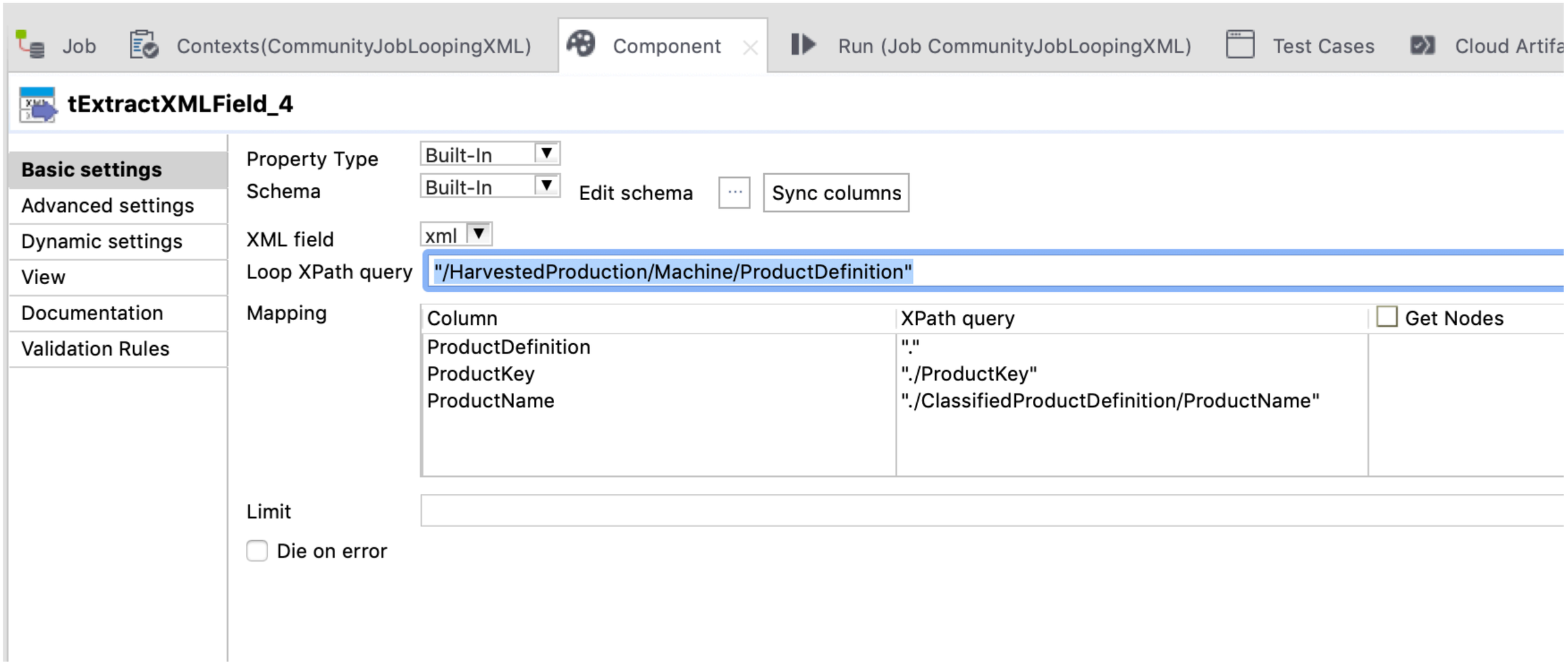
This extracts every "SpeciesGroupDefinition" node (see the Get Nodes tickbox is ticked) and examples of its accompanying data. These are passed to the next component. The "SpeciesGroupDefinition" column is of type Document.

The next component is the tExtractXMLField_3 component. We get the "StemTypeDefinition" data here. Its config can be seen below...



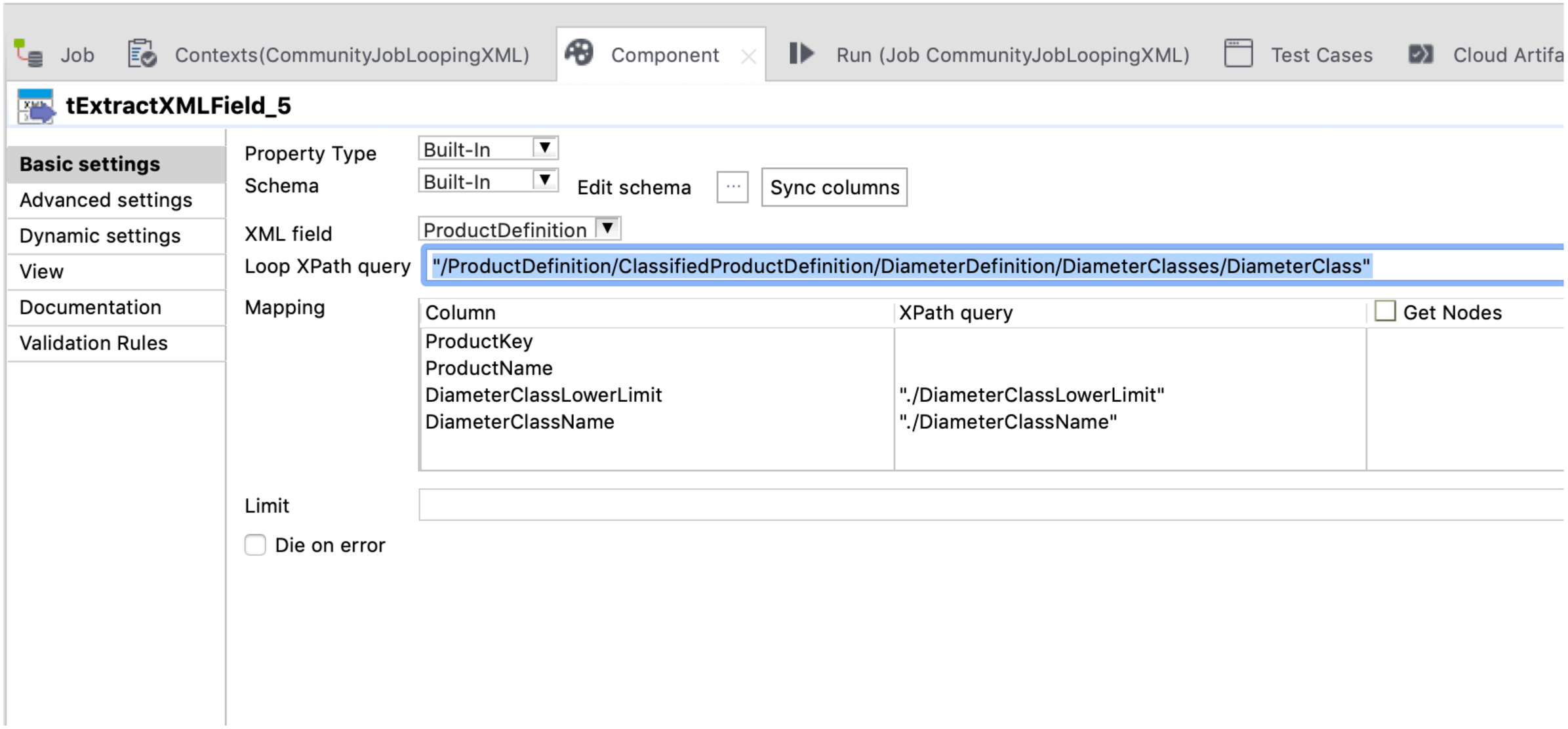
Here we have a couple of pass-through columns (SpeciesGroupModificationDate and SpeciesGroupName) and we are retrieving the "StemTypeCode" and "StemTypeName" columns. The next component is the "SpeciesGroupDefinition" tHashOutput.

The next section is essentially a repeat of the above, but for the ProductDefinition data. The tExractXMLField_4 is configured as below....



Notice the similarities between this and tExtractXMLField_2.

The final XML component is the tExtractXMLField_5. This retrieves the "/ProductDefinition/ClassifiedProductDefinition/DiameterDefinition/DiameterClasses/DiameterClass" data. This is configured as below....



All of the data retrieved is being stored in tHashOutput components. To release it (or join it) you would need corresponding tHashInput components. The data I retrieved from your XML can be seen below....

Machine Data

```
.----------------------------------------+------------+-------------------------+----------------------+---------------.
|                                                    tLogRow_1                                                         |
|=---------------------------------------+------------+-------------------------+----------------------+--------------=|
|MachineKey                              |MachineUserID|MachineApplicationVersion|MachineBaseManufacturer|MachineBaseModel|
|=---------------------------------------+------------+-------------------------+----------------------+--------------=|
|XXXXXX_XXXXXX-XXXXXX_XXXXXX-XXXXXX_XXXXXX|XXXXXXXXXXXXX|TimbermaticH 2.1.25      |John Deere            |1270G           |
'----------------------------------------+------------+-------------------------+----------------------+---------------'
```

SpeciesGroupDefinition Data

tLogRow_2			
SpeciesGroupModificationDate	SpeciesGroupName	StemTypeCode	StemTypeName
0001-01-01T01:00:00+01:00	EPICEA COMMUN	11	Billon à sciage tronc
0001-01-01T01:00:00+01:00	EPICEA COMMUN	12	Billon à pâte tronc
0001-01-01T01:00:00+01:00	DOUGLAS	21	Billon à sciage tronc
0001-01-01T01:00:00+01:00	DOUGLAS	22	Billon à pâte tronc
0001-01-01T01:00:00+01:00	EPICEA SITKA	31	Billon à sciage tronc
0001-01-01T01:00:00+01:00	EPICEA SITKA	32	Billon à pâte tronc
0001-01-01T01:00:00+01:00	MELEZE	41	Billon à sciage tronc
0001-01-01T01:00:00+01:00	MELEZE	42	Billon à pâte tronc
0001-01-01T01:00:00+01:00	GRANDIS	51	Billon à sciage tronc
0001-01-01T01:00:00+01:00	GRANDIS	52	Billon à pâte tronc
0001-01-01T01:00:00+01:00	PIN	61	Billon à sciage tronc
0001-01-01T01:00:00+01:00	PIN	62	Billon à pâte tronc
0001-01-01T01:00:00+01:00	FEUILLUS	81	Billon à sciage tronc
0001-01-01T01:00:00+01:00	FEUILLUS	82	Billon à pâte tronc
0001-01-01T01:00:00+01:00	PECTINE	71	Billon à sciage tronc
0001-01-01T01:00:00+01:00	PECTINE	72	Billon à pâte tronc

ProductDefinition Data

tLogRow_3			
ProductKey	ProductName	DiameterClassLowerLimit	DiameterClassName
904	CAISSAGE 2.40	120	120
904	CAISSAGE 2.40	300	300
904	CAISSAGE 2.40	430	430
903	PALETTE 2.40	120	120
903	PALETTE 2.40	130	130
903	PALETTE 2.40	160	160
903	PALETTE 2.40	200	200
902	TRITU	70	70
902	TRITU	90	90
907	CAISSAGE 2.40	120	120
907	CAISSAGE 2.40	280	280
907	CAISSAGE 2.40	430	430
906	PALETTE 2.40	120	120
906	PALETTE 2.40	130	130
906	PALETTE 2.40	140	140
906	PALETTE 2.40	170	170
906	PALETTE 2.40	200	200
905	TRITU	70	70
905	TRITU	90	90
910	CAISSAGE 2.40	120	120

910	CAISSAGE 2.40	280	280
910	CAISSAGE 2.40	430	430
909	PALETTE 2.40	120	120
909	PALETTE 2.40	130	130
909	PALETTE 2.40	160	160
909	PALETTE 2.40	180	180
909	PALETTE 2.40	200	200
908	TRITU	70	70
908	TRITU	90	90
913	CAISSAGE 2.40	120	120
913	CAISSAGE 2.40	280	280
913	CAISSAGE 2.40	430	430
912	PALETTE	120	120
912	PALETTE	130	130
912	PALETTE	200	200
911	TRITU	70	70
911	TRITU	90	90
916	C 2.40+	120	120
916	C 2.40+	280	280
916	C 2.40+	430	430
928	C 2.40	120	120
928	C 2.40	140	140
928	C 2.40	300	300
915	PALETTE	120	120
915	PALETTE	130	130
915	PALETTE	200	200
914	TRITU	70	70
914	TRITU	90	90
930	GRUME 1.50 M3	370	370
930	GRUME 1.50 M3	390	390
930	GRUME 1.50 M3	400	400
930	GRUME 1.50 M3	420	420
930	GRUME 1.50 M3	440	440
919	CAISSAGE 2.40	160	160
919	CAISSAGE 2.40	280	280
919	CAISSAGE 2.40	430	430
917	PALETTE 2.40	120	120
917	PALETTE 2.40	130	130
917	PALETTE 2.40	160	160
917	PALETTE 2.40	180	180
917	PALETTE 2.40	200	200
918	TRITU	70	70
918	TRITU	90	90
922	2.00 13/20	120	120
922	2.00 13/20	140	140
922	2.00 13/20	300	300
929	SNCF	120	120
929	SNCF	140	140
929	SNCF	300	300
920	CHAUFFAGE	100	100
920	CHAUFFAGE	130	130
920	CHAUFFAGE	150	150
920	CHAUFFAGE	200	200
921	TRITU	70	70
921	TRITU	120	120
921	TRITU	140	140

```
|921       |TRITU        |160                    |160              |
|925       |CAISSAGE 2.40|120                    |120              |
|925       |CAISSAGE 2.40|300                    |300              |
|925       |CAISSAGE 2.40|430                    |430              |
|923       |PALETTE      |120                    |120              |
|923       |PALETTE      |130                    |130              |
|923       |PALETTE      |200                    |200              |
|924       |TRITU        |70                     |70               |
|924       |TRITU        |90                     |90               |
|926       |CAISSAGE 2.00|120                    |120              |
|926       |CAISSAGE 2.00|140                    |140              |
|926       |CAISSAGE 2.00|300                    |300              |
|927       |GRUME 1.50 M3|370                    |370              |
|927       |GRUME 1.50 M3|390                    |390              |
|927       |GRUME 1.50 M3|400                    |400              |
|927       |GRUME 1.50 M3|420                    |420              |
|927       |GRUME 1.50 M3|440                    |440              |
'----------+-------------+-----------------------+-----------------'
```

Let me know if you have any questions. I may not be able to respond immediately though, since I am working on migrating this Community this week