
Question

[Mac Macori](#) · May 7, 2021

Separate list results of persistent classes from SQL

Hello everyone,

We are trying out lists inside persistent classes. Because we may need to use them in a very close future.

So far, I managed to create a class that has a list property which has an indice.

Here is the class in question:

```
Class User.TestList.Data.Titre Extends (%Persistent, %Populate)
{
Property numTitre As %Integer;

Property millesime As %Integer;

Property codeProduit As %String;

/// Old field which will be replaced by the next one
Property numDossierMER As %Integer;

/// New field which is a list
Property numDossiersMER As list Of %Integer;

Index titreIdx On (numTitre, millesime, codeProduit) [ PrimaryKey ];

/// Old index
Index numDossierMERIdx On numDossierMER;

/// New index
Index numDossiersMERIdx On numDossiersMER(ELEMENTS);

}
```

I also managed to query the table depending on values of the list with the following query structure:

```
SELECT
ID, codeProduit, millesime, numDossierMER, numDossiersMER, numTitre
FROM User_TestList_Data.Titre
WHERE FOR SOME %ELEMENT(numDossiersMER) (%VALUE IN (24, 662703520))
```

Although, one question remained unanswered so far:

How can I fetch results from the table from SQL and split all elements of the list into separate lines ?

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For example, let's say I only have two lines in my table.

If I query the table with a simple **SELECT * FROM User.TestList.Data.Titre**. The results will be as follows:

numTitre	millesime	codeProduit	numDossierMER	numDossiersMER (list)
1	2021	X	1	1 2 3
2	2021	X	4	4 5 6

How can I get the results to be formatted like this instead ?

numTitre	millesime	codeProduit	numDossierMER	numDossiersMER (list)
1	2021	X	1	1
1	2021	X	1	2
1	2021	X	1	3
2	2021	X	4	4
2	2021	X	4	5
2	2021	X	4	6

Thank you

Lucas

[#Caché](#)

Product version: Ensemble 2017.1

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