

In(@variable) clause and TABLE datatype variable

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.programming/2005-02/2429.html>

From: Aamir Ghanchi (*AamirGhanchi_at_discussions.microsoft.com*)

Date: 02/07/05

Date: Mon, 7 Feb 2005 14:33:01 -0800

Hi this question has been asked several times and some solution has been provided already. But the one I am facing is with a twist. I need to use the IN() clause with a variable as its parameter. The variable is a list of comma separated character values all enclosed in pairs of single quotes. I could have solved this problem by enclosing the final query in a single quote and running Exec command on it (with the Variable list outside the quotes) but I also need to use a Table data type variable which raises error when EXEC command is run.

Followig is the example that may explain well.

I have oversimplified this example and it does things that we would not do in normal situation

use pubs;

```
-- declare and set Table variable
declare @TableVariable TABLE ( col char(4) );
INSERT @TableVariable
Select pub_id FROM publishers
;
```

```
--declare and set CSV single quoted characters list
declare @ListVariable varchar(100);
set @ListVariable = ' "0736", "0877" '; --these pub_ids are in the
publishers table, promise
```

--the query where the Table variable is used as well as the IN() clause is used

```
Select TableVariable.col
>From @TableVariable as TableVariable
Where TableVariable.col IN (@ListVariable)
```

-- returns 0 rows

--if we use Exec by replacing the last code section above with as following

```
declare @command varchar(2000)
set @command='
```

microsoft.public.sqlserver.programming: In(@variable) clause and TABLE datatype variable

```
Select TableVariable.col  
>From @TableVariable as TableVariable  
Where TableVariable.col IN ('+@ListVariable+')  
,  
exec (@command)
```

--Then we get the error message:
-- Must declare the variable '@TableVariable'.

Expand AllCollapse All

[Manage Your Profile](#) |[Legal](#) |[Contact Us](#) |[MSDN Flash Newsletter](#)