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Question

[Nirshanthini Ku...](#) · Mar 23, 2022

## SQL Outbound Adapter - Execute Procedure call returns null/undefined for Output value.

We have a stored procedure with one input parameter and one input/output parameter.

```
declare @hl7message nvarchar(max) = 'Pass the hl7 message here',  
@output nvarchar(max);
```

```
EXEC spInsertHI7 @hl7message, @outputresult = @output OUTPUT;  
print @output;
```

@output value will be "Pass" or "Fail"

Below code is inserting the HL7 successfully into the target DB, but not returning the output value as expected.

```
set arrParam = 2
```

```
set arrParam(1) = Message  
set arrParam(1,"IOType") = 1  
set arrParam(1,"SqlType") = $$$SqlLongVarchar  
set arrParam(1,"CType") = $$$SqlWChar  
set arrParam(1,"Prec") = 8000  
set arrParam(1,"LOB") = 1  
set arrParam(1,"UseLOBLen")= 1
```

```
set arrParam(2) = ""  
set arrParam(2,"IOType") = 2  
set arrParam(2,"SqlType") = 12
```

```
Set tQuery= "{call dbo.pInsertHI7 (?,?,?)}"
```

```
Set tSC = ..Adapter.ExecuteProcedureParmArray(,.tOutput,tQuery,"ib",.arrParam)
```

```
Set sOut = tOutput.GetAt(1)
```

sOut is always null. I tried to change the second parameter to output (IO type - 4) instead input/output (IO type - 2). But no luck. sOut returns as 'undefined',

When I assigned a wrong data type to the first parameter other than \$\$\$SqlLongVarchar, then the HL7 message was not parsed properly - in this case .tOutput returned the correct output value "Fail".

But if I assign the second parameter values as above code (Which is correctly inserting HL7 into the DB) then .tOutput returns null.

[#InterSystems IRIS for Health](#)

Product version: IRIS 2021.1

URL:<https://community.intersystems.com/post/sql-outbound-adapter-execute-procedure-call-returns-nullundefined-output-value>