

SQL Adapter with Map blocks SQL Server?

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We have a receive port that executes a stored procedure via an SQL Adapter on regular intervals. If we don't specify any inbound/outbound maps on the receive/send ports, but instead just use XmlReceive/Passthrough as receive/send pipeline and simply dump the XML data returned from the stored proc to disk, everything works fine. However... if we specify inbound and outbound maps, SQL Server hangs/freezes/blocks something when executing the stored proc.

If we take a look in SQL Server, under Management->Current Activity->Locks/Process ID, we can see the following:

- spid 58
- spid 59 (Blocking)
- spid 60...64
- spid 65 (Blocked by 59)
- spid 66

Using SQL Profiler, we see this:

Event TextData Appname Dur. SPID

(this is when we enable the adapter)

```
SP:Starting exec sp_oledb_ro_username VS.NET 73
SP:Completed exec sp_oledb_ro_username VS.NET 0 73
SP:Starting exec spDoStuffHere VS.NET 73
SP:Completed exec spDoStuffHere VS.NET 3865 73
```

(this is when the adapter executes the procedure the first time)

```
SP:Starting exec sp_oledb_ro_username BzT2004 59
SP:Completed exec sp_oledb_ro_username BzT2004 0 59
SP:Starting exec spDoStuffHere BzT2004 59
SP:Completed exec spDoStuffHere BzT2004 4156 59
```

(this is when we disable the adapter)

```
SP:Starting exec sp_oledb_ro_username VS.NET 81
SP:Completed exec sp_oledb_ro_username VS.NET 0 81
SP:Starting exec spDoStuffHere VS.NET 81
SP:Completed exec spDoStuffHere VS.NET 3941 81
```

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So... what is going on here?

Why is SQL Server affected by whether or not we have inbound/outbound maps on the receive/send ports? I thought BizTalk 2004 gathered up all the data received from the proc, disconnected, and THEN performed the transformation?

Why does Visual Studio.NET (Windows Operating System, if performed via BizTalk Administration Console) execute the procedure when enabling/disabling the adapter?

Oh, and the maps work just fine if we test them by using an XML file containing the data, instead of running the procedure in order to get it, so it doesn't seem to be a map problem. The stored proc also works just fine when executed from either Query Analyzer or from a receive port with no inbound map.

Or maybe you're not supposed to perform transformations directly on an SQL port, but rather dump the XML to disk and then have another set of receive/send ports pick