

Question

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Timing of Database look up

We use a lot of external MS SQL calls to look up numerous things when it comes to HL7. I am running into an issue where the outbound calls are queued but the message is sent onto the next process before it gets a response. How do I get it to wait till the response gets back from the MS SQL call before sending it onto the next process?

Below is a screen shot of what I am trying to explain...Select Research Study executes at 8:33 the message is sent to the next process at 8:34, but the response of the MSSQL call doesn't come till 9:31.

The screenshot shows the Visual Trace interface for a message with Session ID 1004383306. The message flow is as follows:

- 2019-04-11 08:33:55.858: Message received.
- 2019-04-11 08:33:56.000: SQL operation 'select ResearchStudy' is executed.
- 2019-04-11 08:33:56.031: Message is sent to the next process.
- 2019-04-11 08:34:20.385: Message received by the next process.
- 2019-04-11 09:31:13.876: SQL operation 'select ResearchStudy' is executed, returning a response.
- 2019-04-11 09:31:33.584: Response received by the original process.

The right-hand pane shows the raw contents of the message, which is an XML snapshot:

```
<?xml version="1.0"?>
<!-- type: EnsiLib.SQL.Snapshot id: 126695509 -->
<Snapshot Rows="1" FirstRow="1">
  <Columns Count="3">
    <col ID="1" Name="ResearchID" Type="varchar" Size="50">
    <col ID="2" Name="HRH" Type="varchar" Size="9"></col>
    <col ID="3" Name="CSH" Type="varchar" Size="15"></col>
  </Columns>
  <Row Num="1">
    <col ID="1">R2559</col>
    <col ID="2">981039058</col>
    <col ID="3">300037341224</col>
  </Row>
</Snapshot>
```

[#ObjectScript](#) [#SQL](#) [#Ensemble](#)

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