

GetCallChain

%GetCallChain function

Function	The function gets back complete series of callings (CALL actions) that caused its execution.
Declaration	<div>TEXT %GetCallChain()</div>
Parameters	None.
Example	<p>Example shows the return value of the function (in the procedure <i>Proc3</i> of the script <i>E.C3</i>) when calling remote procedures from the scripts <i>E.C1</i>, <i>E.C2</i> a <i>E.C3</i>. Execution of the procedures begins in the initialization part of the script <i>E.C1</i>.</p> <pre>***** E.C1 ***** PROCEDURE Proc1x CALL [E.C2] Proc2 ON SELF.EVH ; line 3 END Proc1x PROCEDURE ProcB CALL Proc1x ; line 7 END ProcB BEGIN CALL ProcB ; line 11 END ***** ***** Server event: E.C2 ***** RPC PROCEDURE Proc2 CALL [E.C3] Proc3 ON SELF.EVH ; line 3 END Proc2 BEGIN END ***** ***** Server event: E.C3 ***** PROCEDURE Proc3 TEXT _callChain _callChain := %GetCallChain() ; line 4. END Proc3 RPC PROCEDURE Proc3 CALL Proc3 ; line 8 END Proc3 BEGIN END ***** The value of local variable _callChain of procedure Proc3 in script E.C3. Proc3: 4 SELF.EVH;E.C3(24791) 1438;Proc3: 8 SELF.EVH;E.C2(24792) 1439;Proc2: 3 Proc1x: 3 ProcB: 7 SELF.EVH;E.C1(1325457) 2207:: 11 Each line in the value of variable _callChain (except the first one) identifies the line in ESL script with CALL action. For example a dump: SELF.EVH;E.C3(24791) 1438;Proc3: 8 represents the line 8 in script of the object of name <i>E.C3</i>. Line 8 is in the context of procedure <i>Proc3</i>. Script was performed on process <i>SELF.EVH</i>. HOBJ of object <i>E.C3</i> is 24791 and unique identifier of running script is 1438 (this value is generated at each start of arbitrary script and it is univocal within the process which interprets the scripts). Mentioned line contains <i>CALL Proc3</i> action calling the procedure <i>Proc3</i> within the script. As the script was not changed, the previous line (in the value of variable <i>_callChain</i>) contains only procedure name and number of row. This way allows to find out following information from value of variable <i>_callChain</i> (described bottom up): The action executing starts in script <i>E.C1</i> (on the process <i>SELF.EVH</i>), there is the procedure call <i>ProcB</i> on the line 11, there is procedure call <i>Proc1x</i> on the line 7 and there is RPC procedure call <i>Proc2</i> on the line 3 in the script <i>E.C2</i> within the same process of <i>SELF.EVH</i>. In the procedure (<i>Proc2</i>) there is RPC procedure call <i>Proc3</i> on the line 3 in the script <i>E.C3</i> within the same process <i>SELF.EVH</i>. There is procedure call <i>Proc3</i> on the line 8 in the script <i>E.C3</i> and call of function <i>GetCallChain</i> was performed on the line 4.</pre>



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