

C:\Users\Paul\Documents\Projects\UNITE\2017\2017-Using-the-New-MCPSQL\Samples\MCPSQL\SOURCE\UNITE\DMSQL\QUERY\HARNESS.c85_m	C:\Users\Paul\Documents\Projects\UNITE\2017\2017-Using-the-New-MCPSQL\Samples\MCPSQL\SOURCE\UNITE\MCPSQL\QUERY\HARNESS.c85_m
<pre> 1 000000\$# UNITE/DMSQL/QUERY/HARNESS 080918PK 2 000100\$\$ FEDLEVEL=5 3 000200\$\$ SET LINEINFO BINDINFO 4 000300\$\$ SET LISTOMITTED 5 000400\$\$ SET BINARYEXTENDED 6 000500 7 000600\$\$ OPTION (RESET DEBUGGING) 8 001000 9 001100 IDENTIFICATION DIVISION. 10 001200 PROGRAM-ID. 11 001300 UNITE-DMSQL-QUERY-HARNESS. 12 001400 AUTHOR. 13 001500 P.KIMPEL, PARADIGM CORPORATION. 14 001600 DATE-WRITTEN. 15 001700 SEPTEMBER 2008. 16 001800 DATE-COMPILED. 17 002000 18 002100***** 19 002200* 20 002300* UNITE/DMSQL/QUERY/HARNESS 21 002400* 22 002500***** 23 002520* 24 002540* Copyright (C) 2008: 25 002560* Paradigm Corporation  002820* tion warranty of design, merchantability, fitness for a 002840* particular purpose and against infringement. 003000* 003100***** 003200* 003300* DMSQL/QUERY/HARNESS is a general-purpose testbed for 003400* evaluating and timing Unisys DMSQL statements using the 003500* Call-Level Interface (CLI) to the MCP'S SQL Query Processor. 003600* This program is written in COBOL-85. It will not compile 003700* using COBOL-74. 003800* 003900* The program reads input from the file with INTNAME=TF-TEXT.  006600* 006700* The following example shows how to run the program for a 006800* traditional MCP record-oriented input file (e.g., the file 006900* SQLSPECS/TEST1 is of SEQDATA or JOBSYMBOL format): 007000* 007100* RUN OBJECT/UNITE/DMSQL/QUERY/HARNESS; 007200* OPTION = (DSED,FAULT,ARRAY,TOPIRTER); 007300* FILE TF-TEXT = SQLSPECS/TEST1 ON DEVPACK; 007400* FILE PF-PRINT = SQLDATA/"TEST1.TXT" ON DEVPACK; 007500* 007600* This example shows how to run the program for an 007700* MCP-resident byte-stream file transformed by STREAMIOH: 007800* 007900* RUN OBJECT/UNITE/DMSQL/QUERY/HARNESS; 008000* OPTION = (DSED,FAULT,ARRAY,TOPIRTER); 008100* FILE TF-TEXT( 008200* KIND=VIRTUAL, IOHFUNCTIONNAME="STREAMIOH", 008300* IOHSTRING="FILEKIND=DATA,DATA=256,EXTDELIMITER=CRLF", 008400* LTITLE=SQLSPECS/"TEST2.TXT", FAMILYNAME=DEVPACK);  020700* &lt;END&gt; 020720* Acts as if an end-of-file on TF-TEXT has been detected. 022000* 022100* &lt;DATABASE&gt; 022120* This is normally the first non-comment command in the 022140* input. It establishes a connection to a DMSQL-capable 022160* data base. More than one such command may be present for 022180* a given run; if a connection was established by a prior 022200* &lt;DATABASE&gt; command, it is closed before processing the 022220* current command. A &lt;DATABASE&gt; command must be success- 022240* fully completed before any &lt;PREPARE&gt; or &lt;EXECUTE&gt; 022260* commands can be processed. 022280* 022300* Following the command header must be the "resource name" 022320* for the data base. This is the name defined in a RESOURCE 022340* statement in the DMSQL/CONFIG file for the system. This 022360* name specifies which data base(s) will be opened for 022380* access to the program. It is case insensitive. 023000* 023020* Following the resource name, there may optionally be a 023040* sequence of case-insensitive tokens specifying options </pre>	<pre> 1 000100\$\$ FEDLEVEL=5 2 000200\$\$ SET LINEINFO BINDINFO 3 000300\$\$ SET LISTOMITTED 4 000400\$\$ SET BINARYEXTENDED 5 000500 6 000600\$\$ OPTION (RESET DEBUGGING) 7 001000 8 001100 IDENTIFICATION DIVISION. 9 001200 PROGRAM-ID. 10 001300 UNITE-MCPSQL-QUERY-HARNESS. 11 001400 AUTHOR. 12 001500 P.KIMPEL, PARADIGM CORPORATION. 13 001600 DATE-WRITTEN. 14 001700 SEPTEMBER 2008. 15 001800 DATE-COMPILED. 16 002000 17 002100***** 18 002200* 19 002300* UNITE/MCPSQL/QUERY/HARNESS 20 002400* 21 002500***** 22 002520* 23 002540* Copyright (C) 2008: 24 002560* Paradigm Corporation  002820* tion warranty of design, merchantability, fitness for a 002840* particular purpose and against infringement. 003000* 003100***** 003200* 003300* MCPSQL/QUERY/HARNESS is a general-purpose testbed for 003400* evaluating and timing Unisys MCPSQL statements using the 003500* Call-Level Interface (CLI) to the MCP'S SQL Query Processor. 003600* This program is written in COBOL-85. 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It establishes a connection to a MCPSQL-capable 022160* data base. More than one such command may be present for 022180* a given run; if a connection was established by a prior 022200* &lt;DATABASE&gt; command, it is closed before processing the 022220* current command. A &lt;DATABASE&gt; command must be success- 022240* fully completed before any &lt;PREPARE&gt; or &lt;EXECUTE&gt; 022260* commands can be processed. 022280* 022300* Following the command header must be the "resource name" 022320* for the data base. This is the name defined in a RESOURCE 022340* statement in the MCPSQL/CONFIG file for the system. This 022360* name specifies which data base(s) will be opened for 022380* access to the program. It is case insensitive. 023000* 023020* Following the resource name, there may optionally be a 023040* sequence of case-insensitive tokens specifying options </pre>

File date: 10/5/2017 2:55:11 PM  
File size: 211.9 KB (216978)  
File type: WIN TXT

File date: 10/5/2017 2:57:30 PM  
File size: 212.0 KB (217064)  
File type: WIN TXT

C:\Users\Paul\Documents\Projects\UNITE\2017\2017-Using-the-New-MCPSQL\Samples\MCPSQL\SOURCE\UNITE\DMSQL\QUERY\HARNESS.c85_m					C:\Users\Paul\Documents\Projects\UNITE\2017\2017-Using-the-New-MCPSQL\Samples\MCPSQL\SOURCE\UNITE\MCPSQL\QUERY\HARNESS.c85_m				
182	030180*	are permitted by CLI. Parameter markers, if any, are	080918PK		181	030180*	are permitted by CLI. Parameter markers, if any, are	080918PK	
183	030200*	represented by a "?" character (without quotes). The	080918PK		182	030200*	represented by a "?" character (without quotes). The	080918PK	
184	030220*	program strips leading and trailing spaces from each	080918PK		183	030220*	program strips leading and trailing spaces from each	080918PK	
185	030240*	line and concatenates the trimmed text of each line with	080918PK		184	030240*	line and concatenates the trimmed text of each line with	080918PK	
186	030260*	a single space character before passing the accumulated	080918PK		185	030260*	a single space character before passing the accumulated	080918PK	
187	030280*	text to DMSQL for parsing.	080918PK		186	030280*	text to MCPSQL for parsing.	170827PK	
188	030300*		080918PK		187	030300*		080918PK	
189	030320*	If the statement is successfully prepared, the program	080918PK		188	030320*	If the statement is successfully prepared, the program	080918PK	
190	030340*	will dump the CLI descriptor data for the result set	080918PK		189	030340*	will dump the CLI descriptor data for the result set	080918PK	
191	030360*	columns and parameters (if any) to the output file. This	080918PK		190	030360*	columns and parameters (if any) to the output file. This	080918PK	
192	030380*	data also includes the zero-relative offsets the program	080918PK		191	030380*	data also includes the zero-relative offsets the program	080918PK	
279	042500*	300/400 machines), the precision of all timing is limited by	080918PK		278	042500*	300/400 machines), the precision of all timing is limited by	080918PK	
280	042600*	the precision of the underlying Windows operating system	080918PK		279	042600*	the precision of the underlying Windows operating system	080918PK	
281	042700*	clock, which increments in periods of about 15 milliseconds.	080918PK		280	042700*	clock, which increments in periods of about 15 milliseconds.	080918PK	
282	042800*		080918PK		281	042800*		080918PK	
283	042900*	In addition to timings, the program retrieves and writes the	080918PK		282	042900*	In addition to timings, the program retrieves and writes the	080918PK	
284	043000*	DMSQL diagnostic "QGRAPH" data to the output file at the	080918PK		283	043000*	MCPSQL diagnostic "QGRAPH" data to the output file at the	170827PK	
285	043100*	conclusion of each <EXECUTE> command.	080918PK		284	043100*	conclusion of each <EXECUTE> command.	080918PK	
286	049000*		080918PK		285	049000*		080918PK	
287	049010*****		080918PK		286	049010*****		080918PK	
288	049020*	To Do:	080918PK		287	049020*	To Do:	080918PK	
289	049030*	* Implement settable output formatting options.	080918PK		288	049030*	* Implement settable output formatting options.	080918PK	
298	050040*	2008-09-04 P.KIMPEL			297	050040*	2008-09-04 P.KIMPEL		
299	050041*	ORIGINAL VERSION, CLONED FROM WASPDB/CLI/PRODCODE1 OF 2006			298	050041*	ORIGINAL VERSION, CLONED FROM WASPDB/CLI/PRODCODE1 OF 2006		
300	050042*	AND A BUNCH OF OTHER STUFF.			299	050042*	AND A BUNCH OF OTHER STUFF.		
301	050050*	2008-09-18 P.KIMPEL	080918PK		300	050050*	2008-09-18 P.KIMPEL	080918PK	
302	050051*	BASE VERSION FOR INITIAL RELEASE.	080918PK		301	050051*	BASE VERSION FOR INITIAL RELEASE.	080918PK	
					302	050060*	2017-08-27 P.KIMPEL	170827PK	
					303	050061*	ADAPT TO MCPSQL FROM DMSQL VERSION.	170827PK	
303	099900*****				304	099900*****			
304	100000				305	100000			
305	100100	ENVIRONMENT DIVISION.			306	100100	ENVIRONMENT DIVISION.		
306	100200*****				307	100200*****			
307	100300	CONFIGURATION SECTION.			308	100300	CONFIGURATION SECTION.		
364	161700	OCCURS 7200 INDEXED PF-CX.			365	161700	OCCURS 7200 INDEXED PF-CX.		
365	300000				366	300000			
366	300100*****				367	300100*****			
367	300200	WORKING-STORAGE SECTION.			368	300200	WORKING-STORAGE SECTION.		
368	300300*****				369	300300*****			
369	300400 77	W-PROGRAM-ID PIC X(8) VALUE "DMSQL-QH".			370	300400 77	W-PROGRAM-ID PIC X(8) VALUE "MCPSQLQH".	170827PK	
370	300500				371	300500			
371	300520 01	W-FALSE CONSTANT AS 0.			372	300520 01	W-FALSE CONSTANT AS 0.		
372	300540 01	W-TRUE CONSTANT AS 1.			373	300540 01	W-TRUE CONSTANT AS 1.		
373	300560 01	CPW CONSTANT AS 6.			374	300560 01	CPW CONSTANT AS 6.		
374	300580 01	TICK CONSTANT AS 2.4E-6.			375	300580 01	TICK CONSTANT AS 2.4E-6.		
649	422180	10 FILLER PIC X(8) VALUE " sec IO ".			650	422180	10 FILLER PIC X(8) VALUE " sec IO ".		
650	422200	10 WPL-CLOCK-COUNT-SUFFIX VALUE SPACE.			651	422200	10 WPL-CLOCK-COUNT-SUFFIX VALUE SPACE.		
651	422220	15 WPL-CLOCK-COUNT PIC ZZZ,ZZZ,ZZ9B.			652	422220	15 WPL-CLOCK-COUNT PIC ZZZ,ZZZ,ZZ9B.		
652	422240	15 WPL-CLOCK-COUNT-TEXT PIC X(44).			653	422240	15 WPL-CLOCK-COUNT-TEXT PIC X(44).		
653	423000	05 WPL-RUN-HEADING-LINE.			654	423000	05 WPL-RUN-HEADING-LINE.		
654	423020	10 FILLER PIC X(36) VALUE			655	423020	10 FILLER PIC X(37) VALUE	170827PK	
655	423040	"Paradigm DMSQL CLI Query Harness on ".			656	423040	"Paradigm MCPSQL CLI Query Harness on ".	170827PK	
656	423060	10 WPL-RUN-HOSTNAME PIC X(17).			657	423060	10 WPL-RUN-HOSTNAME PIC X(17).		
657	423080	10 FILLER PIC X(1) VALUE "[".			658	423080	10 FILLER PIC X(1) VALUE "[".		
658	423100	10 WPL-RUN-SYSTEM-TYPE PIC X(6).			659	423100	10 WPL-RUN-SYSTEM-TYPE PIC X(6).		
659	423120	10 WPL-RUN-SYSTEM-SERIAL PIC ZZZZZ9.			660	423120	10 WPL-RUN-SYSTEM-SERIAL PIC ZZZZZ9.		
660	423140	10 FILLER PIC X(7) VALUE "]" task ".			661	423140	10 FILLER PIC X(7) VALUE "]" task ".		
665	423240	10 WPL-RUN-DATE PIC X(36) TYPE LONG-DATE.			666	423240	10 WPL-RUN-DATE PIC X(36) TYPE LONG-DATE.		
666	423300	10 WPL-RUN-TIME PIC X(12) TYPE NUMERIC-TIME.			667	423300	10 WPL-RUN-TIME PIC X(12) TYPE NUMERIC-TIME.		
667	450000				668	450000			
668	450100 01	WOM-OPERATOR-MESSAGES.			669	450100 01	WOM-OPERATOR-MESSAGES.		
669	450120	05 WOM-DISPLAY.			670	450120	05 WOM-DISPLAY.		
670	450140	10 WOM-JOB-ID PIC X(8) VALUE "SQDBPL2".			671	450140	10 WOM-JOB-ID PIC X(8) VALUE "SQDBPL3".	170827PK	
671	450160	10 FILLER PIC X(2) VALUE ":".			672	450160	10 FILLER PIC X(2) VALUE ":".		
672	450180	10 WOM-TEXT.			673	450180	10 WOM-TEXT.		
673	450220	15 WOM-COUNT PIC ----,--9B.			674	450220	15 WOM-COUNT PIC ----,--9B.		
674	450260	15 WOM-COUNT-TEXT PIC X(51).			675	450260	15 WOM-COUNT-TEXT PIC X(51).		
675	480000				676	480000			
676	480100	COPY "SYMBOL/SQL/CLI/PROPERTIES/COBOL ON DISK".			677	480100	COPY "SYMBOL/MCPSQL/CLI/PROPERTIES/COBOL ON DISK".	170827PK	
677	490000				678	490000			
678	490100*****				679	490100*****			
679	490200	LOCAL-STORAGE SECTION.			680	490200	LOCAL-STORAGE SECTION.		
680	490300	LD DTIME-TEMPLATE.			681	490300	LD DTIME-TEMPLATE.		
681	490320 77	L-TIME-TYPE RECEIVED BY CONTENT REAL.			682	490320 77	L-TIME-TYPE RECEIVED BY CONTENT REAL.		
879	515080*	SHOULD ONLY BE CALLED AFTER 0100-CLOCK-IN HAS BEEN CALLED.			880	515080*	SHOULD ONLY BE CALLED AFTER 0100-CLOCK-IN HAS BEEN CALLED.		
880	515100*	EACH CALL MUST BE MATCHED BY A 0160-CLOCK-ON CALL BEFORE			881	515100*	EACH CALL MUST BE MATCHED BY A 0160-CLOCK-ON CALL BEFORE		
881	515120*	CALLING 0110-CLOCK-OUT (AT LEAST IF YOU WANT THE TIMINGS TO			882	515120*	CALLING 0110-CLOCK-OUT (AT LEAST IF YOU WANT THE TIMINGS TO		
882	515140*	WORK CORRECTLY). THIS PURPOSE OF CLOCK-OFF AND CLOCK-ON ARE			883	515140*	WORK CORRECTLY). THIS PURPOSE OF CLOCK-OFF AND CLOCK-ON ARE		
883	515160*	TO ALLOW COBOL FORMATTING AND OTHER OVERHEAD TO BE EXCLUDED			884	515160*	TO ALLOW COBOL FORMATTING AND OTHER OVERHEAD TO BE EXCLUDED		

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884	515180*	FROM THE TIMING OF DMSQL COMPONENTS.	885	515180*	FROM THE TIMING OF MCPSQL COMPONENTS. 170827PK
885	515200		886	515200	
886	515220	CALL DTIMEINTRINSIC USING W-TIME-PROC	887	515220	CALL DTIMEINTRINSIC USING W-TIME-PROC
887	515240	GIVING W-PROCTIME-END	888	515240	GIVING W-PROCTIME-END
888	515260	CALL DTIMEINTRINSIC USING W-TIME-SINCE-HL	889	515260	CALL DTIMEINTRINSIC USING W-TIME-SINCE-HL
889	515280	GIVING W-ELAPSED-END	890	515280	GIVING W-ELAPSED-END
1485	600300*****		1486	600300*****	
1486	600400	1000-CLI-INITIALIZATION.	1487	600400	1000-CLI-INITIALIZATION.
1487	600500*	INITIALIZES THE CLI ENVIRONMENT, CONNECTION, AND STATEMENT	1488	600500*	INITIALIZES THE CLI ENVIRONMENT, CONNECTION, AND STATEMENT
1488	600600*	OBJECTS AND OPENS THE CONNECTION TO "SQDB".	1489	600600*	OBJECTS AND OPENS THE CONNECTION TO "SQDB".
1489	600700		1490	600700	
1490	600800	CHANGE ATTRIBUTE FUNCTIONNAME OF "CLI" TO "DMSQLCLI."	1491	600800	CHANGE ATTRIBUTE FUNCTIONNAME OF "CLI" TO "MCPSQLCLI." 170827PK
1491	600900	CHANGE ATTRIBUTE LIBACCESS OF "CLI" TO BYFUNCTION	1492	600900	CHANGE ATTRIBUTE LIBACCESS OF "CLI" TO BYFUNCTION
1492	601000		1493	601000	
1493	601100*	--- ALLOCATE THE SQL CLI ENVIRONMENT OBJECT ---	1494	601100*	--- ALLOCATE THE SQL CLI ENVIRONMENT OBJECT ---
1494	601200	CALL "SQLALLOCENV OF CLI" USING W-ENV GIVING W-RESULT	1495	601200	CALL "SQLALLOCENV OF CLI" USING W-ENV GIVING W-RESULT
1495	601300	MOVE "SQLALLOCENV" TO WPL-ERR-LOCATION	1496	601300	MOVE "SQLALLOCENV" TO WPL-ERR-LOCATION
2518	863900	PERFORM 0930-PRINT-PAGE THRU 0930-EXIT. 080918PK	2519	863900	PERFORM 0930-PRINT-PAGE THRU 0930-EXIT. 080918PK
2519	864000		2520	864000	
2520	864100	1560-EXIT.	2521	864100	1560-EXIT.
2521	864200	EXIT.	2522	864200	EXIT.
2522	999800		2523	999800	
2523	999900	END PROGRAM UNITE-DMSQL-QUERY-HARNESS.	2524	999900	END PROGRAM UNITE-MCPSQL-QUERY-HARNESS. 170827PK
2524			2525		