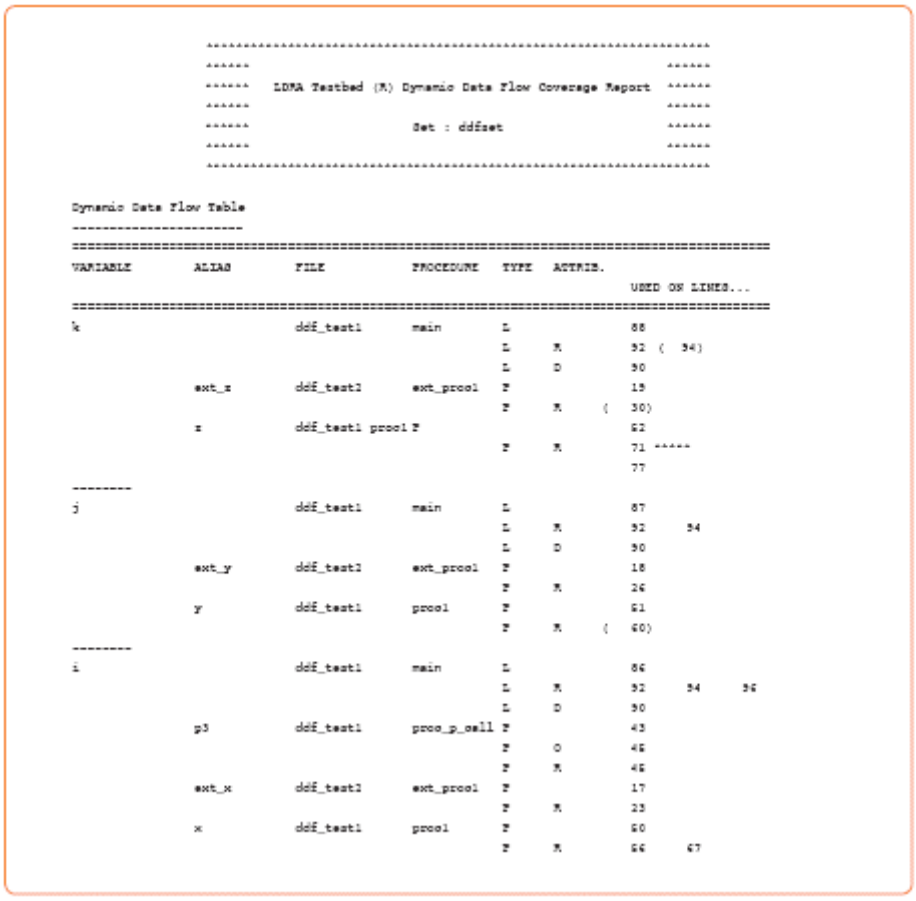
TBsafe® - Dynamic Data Flow Coverage

What is Dynamic Data Flow Coverage?

Dynamic Data Flow Coverage is a powerful technique which analyses the control flow trace originating from the last execution run of the software application under test and uses this information to generate a report which details exactly which variables were utilised at run time.

Variable usage is traced across procedure and file boundaries and coverage information is accumulated with the use of measures detailing current and combined totals.

Dynamic Data Flow Coverage contains a filter interface that enables the user to narrow the scope of the report to only include variables whose names adhere to a specified criteria.



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LDRA Testbed (R) Dynamic Data Flow Coverage Report

Set : ddfset

Dynamic Data Flow Table
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VARIABLE	ALIAS	FILE	PROCEDURE	TYPE	ATTRIB.	USED ON LINES...
k		ddf_test1	main	L		88
				L	M	92 (94)
				L	D	90
	ext_x	ddf_test2	ext_proc1	F		15
				F	M	(30)
	x	ddf_test1 proc1	F			62
				F	M	71 *****
						77
--------						
j		ddf_test1	main	L		87
				L	M	92 94
				L	D	90
	ext_y	ddf_test2	ext_proc1	F		18
				F	M	26
	y	ddf_test1	proc1	F		61
				F	M	(60)
--------						
i		ddf_test1	main	L		86
				L	M	92 94 96
				L	D	90
	p3	ddf_test1	proc_p_call	F		43
				F	O	46
				F	M	46
	ext_x	ddf_test2	ext_proc1	F		17
				F	M	23
	x	ddf_test1	proc1	F		60
				F	M	66 67

Dynamic Data Flow Analysis contains a filter interface that enables the user to narrow the scope of the report to only include variables whose names adhere to specified criteria. The analysis can be performed on a single file, across a system (only as a system result) or across a group (only as an individual result).

Obtaining Further Information

For further information on this particular feature of TBsafe and its availability please complete: the LDRA reply form or email info@ldra.com.

Certificate Number FM 26376

www.ldra.com

LDRA UK & Worldwide
Portside, Monks Ferry,
Wirral, CH41 5LH
Tel: +44 (0)151 649 9300
e-mail: info@ldra.com

LDRA Technology Inc.
Lake Amir Office Park, 1250 Bayhill Drive Suite # 360
San Bruno CA 94066 Tel: (650) 583 8880
e-mail: info@ldra.com

LDRA Technology Pvt. Ltd
#2989/1B, 3rd Floor, 12th Main, 80 Feet Road,
HAL II Stage, Bangalore- 560008. Near BSNL Building
Tel: +91 80 4080 8707
e-mail: india@ldra.com