# DESCARTES SYSTEMS GROUP INC Form SC 13G February 15, 2011

SC 13G

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

(AMENDMENT NO. )

DESCARTES SYSTEMS GROUP INC.	
(NAME OF ISSUER)	_
COMMON SHARES	
(TITLE OF CLASS OF SECURITIES)	_
249906108	
(CUSIP NUMBER)	_
December 31,2010	
(Date of Event Which Requires Filing of this Statement)	_

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- [X] Rule 13d-1 (b)
  [] Rule 13d-1 (c)
  [] Rule 13d-1 (d)
- \* The reminder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

SCHEDULE 13G

CUSIP No. 249906108

NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only)

JARISLOWSKY, FRASER LIMITED

2	CHECK THE APPROPRIATE BO	OX IF A		OF A GROUP .nstructions)	(a) (b)	-	]
3	SEC USE ONLY						
4	CITIZENSHIP OR PLACE OF ORGANIZATION						
	CANADA						
	NUMBER OF SHARES	5	SOLE V	OTING POWER			
	BENEFICIALLY		6,	061,956			
	OWNED BY EACH	6	SHARED	VOTING POWER			
	REPORTING			0			
	PERSON WITH	7	SOLE D	SISPOSITIVE POWER	3.		
			6,	061,956			
		8	SHARED	DISPOSITIVE POW	√ER		
				0			
9	AGGREGATE AMOUNT BENEFI	CIALLY O	WNED BY	EACH REPORTING	PERSC	)N	
	6,061,956						
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) [ ] EXCLUDES CERTAIN SHARES (See Instructions)					]	
11	PERCENT OF CLASS REPRES	ENTED BY	AMOUNT	IN ROW (9)			
	9.85%						
12	TYPE OF REPORTING PERSO	N (See I	nstruct	cions)			

SCHEDULE 13G

This statement on Schedule 13G (this "Statement") is being filed by Jarislowsky, Fraser Limited ("JFL") and relates to the Common Shares (the "Common Stock") of Descartes Systems Group Inc. (the "Issuer"). JFL is a registered investment adviser and has discretionary authority with respect to the investments of, and acts as agent for, its clients. The Common Stock reported in this Statement as beneficially owned by JFL as of December 31, 2010 is held in JFL's client accounts and the filing of this Statement shall not be construed as an admission that JFL (or any of its prinicpals) is, for purposes of Section 13 of the Exchange Act, the beneficial owner of such securities.

ITEM 1(A). NAME OF ISSUER:

ΙA

Descartes Systems Group Inc.

ITEM 1(B). ADDRESS OF ISSUER'S PRINICPAL OFFICES:

120 Randall Drive Waterloo, ON N2V 1C6 Canada

ITEM 2(A).	NAME OF	PERS	ON FILING:			
		Jari	slowsky, Fraser Limited			
ITEM 2(B).	ADDRESS	OF P	RINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:			
		20th				
ITEM 2(C).	CITIZEN	SHIP:				
		Cana	da			
ITEM 2(D).	TITLE O	LE OF CLASS OF SECURITIES:				
		Comm	on Shares			
ITEM 2(E).	CUSIP N	JMBER	:			
		2499	06108			
ITEM 3.	THIS SATEMENT IS BEING FILED PURSUANT TO RULE $13(d)-1(b)$ BECAUSE THE REPORTING PERSON FILING IS AS FOLLOWS:					
	(a)	[ ]	Broker or dealer registered under section $15$ of the Act (15 U.S.C. $780$ ).			
	(b)	[ ]	Bank as defined in section $3(a)(6)$ of the Act (15 U.S.C. 78c).			
	(c)	[ ]	Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).			
	(d)	[ ]	Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).			
	(e)	[X]	An investment adviser in accordance with $ss.240.13d-1(b)(1)(ii)(E)$ .			
	(f)	[ ]	An employee benefit plan or endowment fund in accordance with ss.240.13d-1(b)(1)(ii)(F).			
	(g)	[ ]	A parent holding company or control person in accordance with ss.240.13d-1(b)(1)(ii)(G).			
	(h)	[ ]	A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813).			
	(i)	[ ]	A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3).			

- (j) [ ] Group, in accordance with ss.240.13d-1(b)(1)(ii)(J).
- If this statment is filed pursuant toss.240.13d-1(c), check this

box [ ].

ITEM 4. OWNERSHIP:

PROVIDE THE FOLLOWING INFORMATION REGARDING THE AGGREGATE NUMBER AND PERCENTAGE OF THE CLASS OF SECURITIES OF THE ISSUER IDENTIFIED IN ITEM 1.

- (a) Amount beneficially owned: 6,061,956
- (b) Percent of class: 9.85%
- (c) Number of shares as to which the person has:
  - (i) Sole power to vote or to direct the vote:

6,061,956

(ii) Shared power to vote or to direct the vote:

0

(iii) Sole power to dispose or to direct
 the disposition of:

6,061,956

(iv) Shared power to dispose or to direct
 the dispostion of:

NOTE: As at January 31, 2011:

- (a) Amount beneficially owned: 6,062,306
- (b) Percent of class: 9.83%
- (c) Number of shares as to which the person has:
  - (i) Sole power to vote or to direct the vote:

6,062,306

(ii) Shared power to vote or to direct the vote:

0

(iii) Sole power to dispose or to direct
 the disposition of:

6,062,306

- ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS

  Not applicable.

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON

Clients of JFL have the right to receive or the power to direct the receipt of dividends from, or the proceeds from sale of, the Common Stock reported as beneficially owned by JFL. No client of JFL beneficially owns more than five percent of Issuer's Common Stock.

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY

Not applicable.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP

Not applicable.

ITEM 9. NOTICE OF DISSOLUTION OF GROUP

Not applicable.

ITEM 10. CERTIFICATION

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated February 15, 2011

Jarislowsky, Fraser Limited

BY: /s/ Erin O'Brien

Name: Erin O'Brien, CFA Title: Partner & C.F.O.