Logan Joseph W Form 4 August 27, 2018

FORM 4

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

January 31, Expires: 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

Form 4 or Form 5 obligations may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person ** Logan Joseph W			2. Issuer Name and Ticker or Trading Symbol SYNOPSYS INC [SNPS]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction				
690 EAST MIDDLEFIELD ROAD		D ROAD	(Month/Day/Year) 08/24/2018	Director 10% OwnerX Officer (give title Other (specify below) EVP, Sales & Corp Marketing			
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
MOUNTAIN	VIEW, CA	94043	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			

(City)	(State)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securit on Disposed (Instr. 3, 4)	of (D)		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	08/24/2018		M	20,000	A	\$ 32.38	88,271	D		
Common Stock	08/24/2018		S	20,000	D	\$ 101.4251 (1)	68,271	D		

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactio Code (Instr. 8)	5. Number of onDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amo Underlying Secu (Instr. 3 and 4)	
				Code V	,	Date Exercisable	Expiration Date	Title	An or Nu of S
Non-Qualified Stock Option (right to buy)	\$ 32.38	08/24/2018		M(2)	20,000	03/12/2013	12/12/2019	Common Stock	20

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Logan Joseph W 690 EAST MIDDLEFIELD ROAD MOUNTAIN VIEW, CA 94043

EVP, Sales & Corp Marketing

Signatures

By: POA pursuant Christina Escalante-Dutra For: Joseph W. Logan

08/27/2018

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- Represents a weighted average sale price per share. These shares were sold in multiple transactions at prices ranging from \$100.74 to \$102.00. The Reporting Person has provided to the Issuer, and undertakes to provide to the staff of the Securities and Exchange Commission or any security holder of the Issuer, upon request, full information regarding the number of shares purchased at each separate price within the range.
- (2) The transactions reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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