

Logan Joseph W  
Form 4  
December 11, 2018

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287  
Expires: January 31, 2015  
Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

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

(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)  
690 EAST MIDDLEFIELD ROAD  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
12/07/2018

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
EVP, Sales & Corp Marketing

MOUNTAIN VIEW, CA 94043

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

(City) (State) (Zip)

**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. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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)
			Code	V	Amount	(D)	Price
Common Stock	12/07/2018		M		20,000	A	\$ 32.38
Common Stock	12/07/2018		S		20,000	D	\$ 89.1756 (1)
Common Stock	12/08/2018		M		4,124	A	\$ 0
Common Stock	12/08/2018		F		2,045 (2)	D	\$ 87.82
Common Stock	12/08/2018		M		4,560	A	\$ 0

Edgar Filing: Logan Joseph W - Form 4

Common Stock	12/08/2018	F	<u>2,261</u> (2)	D	\$ 87.82	72,649	D
Common Stock	12/08/2018	M	4,141	A	\$ 0	76,790	D
Common Stock	12/08/2018	F	<u>2,054</u> (2)	D	\$ 87.82	74,736	D

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

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

SEC 1474  
(9-02)

**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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security (Instr. 3 and 4)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title
Non-Qualified Stock Option (right to buy)	\$ 32.38	12/07/2018		M <sup>(3)</sup>	20,000	03/12/2013 12/12/2019	Common Stock 20
Restricted Stock Units	\$ 0	12/08/2018		D	4,124	12/08/2018 12/08/2018	Common Stock 4
Restricted Stock Units	\$ 0	12/08/2018		D	4,560	12/08/2018 12/08/2019	Common Stock 4
Restricted Stock Units	\$ 0	12/08/2018		D	4,141	12/08/2018 12/08/2020	Common Stock 4

## 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

12/11/2018

\_\_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 \$88.00 to 90.37. 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.
  - (1) 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.  
  
These shares were retained by the Company in order to meet the tax withholding obligations of the award holder in connection with the
  - (2) vesting of an installment of the performance restricted stock unit award. The Compensation Committee approved the disposition of shares by the award holder and the amount retained by the Company was not in excess of the amount of the tax liability.
  - (3) 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.