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

SCHEDULE 13G

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Under	the	Securities	Exchange	Act	OΤ	1934

4. CITIZENSHIP OR PLACE OF ORGANIZATION:

(Amendment No.)*
Nutanix, Inc.
(Name of Issuer)
Class A Common Stock
(Title of Class of Securities)
67059N108
(CUSIP Number)
December 31, 2016
(Date Of Event which Requires Filing of this Statement)
Check the appropriate box to designate the rule pursuant to which this Schedule is filed:
[] Rule 13d-1(b)
[] Rule 13d-1(c)
[x] Rule 13d-1(d)
* The remainder 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).
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 1745 (3-06)
CUSIP No. 67059N108 13G Page 2 of 9 Pages
1. NAME OF REPORTING PERSON: I.R.S. IDENTIFICATION NO. OF ABOVE PERSON:
Morgan Stanley I.R.S. # 36-3145972
2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP:
(a) []
(b) []
3. SEC USE ONLY:

The state of organization is Delaware.				
NUMBER OF SHARES BENEFICIALLY	5.	SOLE VOTING POWER: 1,417,390		
OWNED BY EACH REPORTING PERSON WITH:	6.	SHARED VOTING POWER: 29,964		
	7.	SOLE DISPOSITIVE POWER: 0		
	8.	SHARED DISPOSITIVE POWER: 1,447,429		
9. AGGREGATE 1,447,429	AMOUN	IT BENEFICIALLY OWNED BY EACH REPORTING PERSON:		
10. CHECK BOX	IF TH	IE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:		
11. PERCENT OF 7.8%	= CLAS	S REPRESENTED BY AMOUNT IN ROW (9):		
12. TYPE OF REPORTING PERSON: HC, CO				

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 Section 240.13d-1(b)(1)(ii)(J).

Item 1.

Item 2.

Item 3.

(b)

(a)

(b)

(c)

(d)

(e)

(i) []

- Item 4. Ownership as of December 31, 2016.*
 - (a) Amount beneficially owned:
 See the response(s) to Item 9 on the attached cover page(s).
 - (b) Percent of Class:
 See the response(s) to Item 11 on the attached cover page(s).
 - (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: See the response(s) to Item 5 on the attached cover page(s).
 - (ii) Shared power to vote or to direct the vote: See the response(s) to Item 6 on the attached cover page(s).
 - (iii) Sole power to dispose or to direct the disposition of: See the response(s) to Item 7 on the attached cover page(s).
 - (iv) Shared power to dispose or to direct the disposition of: See the response(s) to Item 8 on the attached cover page(s).
- 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.

Not Applicable

Item 7. Identification and Classification of the Subsidiary which Acquired the Security Being Reported on By the Parent Holding Company.

See Exhibit 99.2

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 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.

^{*} In Accordance with the Securities and Exchange Commission Release No. 34-39538 (January 12, 1998) (the "Release"), this filing reflects the securities beneficially owned, or that may be deemed to be beneficially owned, by certain operating units (collectively, the "MS Reporting Units") of Morgan Stanley and its subsidiaries and affiliates (collectively, "MS"). This filing does not reflect securities, if any, beneficially owned by any operating units of MS whose ownership of securities is disaggregated from that of the MS Reporting Units in accordance with the Release.

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Signature

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.

Date: February 14, 2017

Signature: /s/ Cesar Coy

Name/Title: Cesar Coy/Authorized Signatory, Morgan Stanley

MORGAN STANLEY

Date: February 14, 2017

Signature: /s/ Debra Abramovitz

Name/Title: Debra Abramovitz/Authorized Signatory,

MS Capital Partners Adviser Inc.

MS Capital Partners Adviser Inc.

Date: February 14, 2017

Signature: /s/ Debra Abramovitz

Name/Title: Debra Abramovitz/Authorized Signatory,

North Haven Expansion Capital LP

By: MS Expansion Capital GP LP, its general partner By: MS Expansion Capital GP Inc., its general partner

North Haven Expansion Capital LP

EXHIBIT NO. EXHIBITS PAGE

99.1 Joint Filing Agreement 7

99.2 Item 7 Information 8

^{*} Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).

EXHI	BIT NO. 99.1	TO SCHEDULE	13G
	JOINT FILING	GAGREEMENT	

February 14, 2017

Morgan Stanley, MS Capital Partners Adviser Inc., and North

Haven Expansion Capital LP hereby agree that, unless differentiated,
this Schedule 13G is filed on behalf of each of the parties.

MORGAN STANLEY

BY: /s/ Cesar Coy

Cesar Coy/Authorized Signatory, Morgan Stanley

MS Capital Partners Adviser Inc.

BY: /s/ Debra Abramovitz

Debra Abramovitz/Authorized Signatory, MS Capital Partners Adviser Inc.

North Haven Expansion Capital LP

By: MS Expansion Capital GP LP, its general partner By: MS Expansion Capital GP Inc., its general partner

BY: /s/ Debra Abramovitz

Debra Abramovitz/Authorized Signatory, North Haven Expansion Capital LP

^{*} Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).

EXHIBIT NO. 99.2

ITEM 7 INFORMATION

The securities being reported on by Morgan Stanley as a parent holding company are owned, or may be deemed to be beneficially owned, by MS Capital Partners Adviser Inc., a wholly-owned subsidiary of Morgan Stanley, and by North Haven Expansion Capital LP.