### EXTREME NETWORKS INC Form SC 13G/A February 12, 2015

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 1)\*

	EXTREME NETWORKS, INC.	
(Name	of Issuer)	
Common	Stock, \$.001 par value	
(Title of Cla	ss of Securities)	
	30226D106	
(CUSIP	Number) December 31, 2014	
(Date of Event Which R	equires Filing of this State	ement)
Check the appropriate box to designate Schedule is filed:	the rule pursuant to which	this
[X] Rule 13d-1(b)		
[_] Rule 13d-1(c)		
[_] Rule 13d-1(d)		
*The remainder of this cover page shall initial filing on this form with respondent for any subsequent amendment control the disclosures provided in a prior control.	ect to the subject class of aining information which wou	securities,
The information required in the remaindeemed to be "filed" for the purpose of Act of 1934 ("Act") or otherwise subject to all see the Notes).	f Section 18 of the Securit: ct to the liabilities of tha	ies Exchange at section
CUSIP NO. 30226D106	13G Pa	age 2 of 8 Pages
(1) NAMES OF REPORTING PERSONS.  I.R.S. IDENTIFICATION NOS. OF A	BOVE PERSONS (entities only)	).
Renaissance Technologies LLC	26-0385758	
(2) CHECK THE APPROPRIATE BOX IF A MED (a) [_]	MBER OF A GROUP (SEE INSTRUC	CTIONS):

	(b) [_]				
(3)	SEC USE ONLY				
(4)	CITIZENSHIP OR PLACE OF O	RGANIZATION			
	Delaware				
			(5)	SOLE VOTING POWER	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:			1,128,591		
		(6)	SHARED VOTING POWER		
			0		
		(7)	SOLE DISPOSITIVE POWER		
			1,218,317		
		(8)	SHARED DISPOSITIVE POWER		
			66,660		
(9)	AGGREGATE AMOUNT BENEFIC	IALLY OWNED BY EAC	H REI	PORTING PERSON	
		1,284,977			
(10)	CHECK BOX IF THE AGGREGA	TE AMOUNT IN ROW (	 9) E	CLUDES CERTAIN SHARES	
	(SEE INSTRUCTIONS)			[_]	
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
		1.29 %			
(12)	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  IA				
		Page 2 of 8 pag	es		
		Page 3 of 8 page			
	IP NO. 30226D106	13G		Page 3 of 8 Page	
(1)	NAMES OF REPORTING PERSO	NS.		ENTITIES ONLY).	
	RENAISSANCE TECHNOLOGIES	HOLDINGS CORPORAT	ION	13-3127734	
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)  (a) [_]  (b) [_]				
(3)	SEC USE ONLY				

(4) CITIZENSHIP OR PLACE OF ORGAN	
Delaware	
	(5) SOLE VOTING POWER
NUMBER OF SHARES BENEFICIALLY OWNED	1,128,591
BY EACH REPORTING PERSON WITH:	(6) SHARED VOTING POWER
	0
	(7) SOLE DISPOSITIVE POWER
	1,218,317
	(8) SHARED DISPOSITIVE POWER
	66,660
(9) AGGREGATE AMOUNT BENEFICIALLY	
1,28	84 <b>,</b> 977
(10) CHECK BOX IF THE AGGREGATE AN (SEE INSTRUCTIONS) [_]	MOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
(11) PERCENT OF CLASS REPRESENTED	D BY AMOUNT IN ROW (9)
1.29	9 %
(12) TYPE OF REPORTING PERSON (SEE	E INSTRUCTIONS)
Pa	age 3 of 8 pages
CUSIP NO. 30226D106	13G Page 4 of 8 Page
Item 1.	
(a) Name of Issuer	
EXTREME NETWORKS, INC.	
(b) Address of Issuer's Princ	ipal Executive Offices.
145 Rio Robles, San Jose,	, California 95134
Item 2.	
(a) Name of Person Filing:	
	ng filed by Renaissance Technologies LLC Technologies Holdings Corporation ("RTHC").

(b) Address of Principal Business Office or, if none, Residence.

The principal business address of the reporting persons is:

800 Third Avenue New York, New York 10022

(c) Citizenship.

RTC is a Delaware limited liability company, and RTHC is a Delaware corporation.

(d) Title of Class of Securities.

Common Stock, \$.001 par value

(e) CUSIP Number.

30226D106

#### Page 4 of 8 pages

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- Item 3. If this statement is filed pursuant to Rule 13d-1(b) or 13-d-2(b) or (c), check whether the person filing is a:
- (a) [\_] Broker or dealer registered under section 15 of the Act.
- (b) [\_] Bank as defined in section 3(a)(6) of the Act.
- (c) [\_] Insurance Company as defined in section 3(a)(19) of the Act.
- (d) [\_] Investment Company registered under section 8 of the Investment Company Act.
- (e) [x] Investment Adviser in accordance with Sec.240.13d-1(b) (1) (ii) (E).
- (f) [\_] Employee Benefit Plan or Endowment Fund in accordance with Sec. 240.13d-1 (b) (1) (ii) (F).
- (g) [\_] Parent holding company, in accordance with Sec.240.13d-1(b)(1)(ii)(G).
- (h)  $[\_]$  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (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.
- (j) [\_] Group, in accordance with Sec.240.13d-1(b)(1)(ii)(J).
- Item 4. Ownership.
  - (a) Amount beneficially owned.

RTC: 1,284,977 shares

RTHC: 1,284,977 shares, comprising the shares beneficially owned by RTHC, because of RTHC's majority ownership of RTC.

(b) Percent of Class.

RTC: 1.29 % RTHC: 1.29 %

- (c) Number of shares as to which the person has:
  - (i) sole power to vote or to direct the vote:

RTC: 1,128,591 RTHC: 1,128,591

(ii) Shared power to vote or to direct the vote: 0

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

RTC: 1,218,317 RTHC: 1,218,317

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

RTC: 66,660 RTHC: 66,660

Page 5 of 8 pages

\_\_\_\_\_\_

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: [X]

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report.

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 a Group.

Not applicable

Page 6 of 8 pages

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 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.

#### 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 12, 2015

Renaissance Technologies LLC

By: Mark Silber

Executive Vice President

Renaissance Technologies Holdings Corporation

By: Mark Silber Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See  $18\ U.S.C.\ 1001$ ).

Page 7 of 8 Pages

EXHIBIT 99.1

AGREEMENT REGARDING JOINT FILING

UNDER RULE 13D-1(K) OF THE EXCHANGE ACT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, each of the undersigned agrees to the filing on behalf of each of a Statement on Schedule 13G, and all amendments thereto, with respect to the shares of Common Stock, \$.001 par value of EXTREME NETWORKS, INC.

Date: February 12, 2015

Renaissance Technologies LLC

By: Mark Silber

Executive Vice President

Renaissance Technologies Holdings Corporation

By: Mark Silber Vice President

Page 8 of 8 Pages