## SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G (Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1 (b) (c), AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2 (b)

EXTREME NETWORKS, INC.

			(Name of	Issuer)	
			Common Stock, \$0	.001 par value	
			(Title of Class	of Securities)	
			30226	D106	
			(CUSIP N	umber)	
			February :	12, 2007	
		Date o	f Event which Require	s Filing of thi	s Statement)
		ropriat	e box to designate the	e rule pursuant	to which this Schedule
is fil	X   _	Rule 1: Rule 1: Rule 1:	3d-1(c)		
initia for ar	al filing ny subsec	g on thi quent a		to the subject nformation whic	r a reporting person's class of securities, and h would alter
to be 1934 (	"filed" ("Act") ( nall be s	for the	e purpose of Section :	18 of the Secur liabilities of	page shall not be deemed ities Exchange Act of that section of the Act (however, see the
CUSIP	No. 3022	26D106	13G		Page 2 of 8 Pages
CUSIP	No. 3022  NAMES OF	26D106 ====== R REPOR	13G	========	Page 2 of 8 Pages
CUSIP	No. 3022  NAMES OF S.S. OR	26D106 ====== R REPOR I.R.S.	13G ====================================	========	Page 2 of 8 Pages
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9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	7,014,800	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)	.
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	6.10%	
12.	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)	
	IA	

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	No. 3022	6D106		Page	3 of	8	Pa	•
1.	NAMES OR REPORTING PERSONS S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS  James H. Simons							
2.	CHECK APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS): (a) $ \_ $ (b) $ \_ $							
3.	SEC USE ONLY							
4.	CITIZENS	HIP OR	PLACE OF ORGANIZATION					
	United S	tates						
		5.						
			7,014,800					
	BER OF	6.	SHARED VOTING POWER					
BENE	ARES FICIALLY		Θ					
E	ED BY ACH	7.	SOLE DISPOSITIVE POWER					
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WITH		8.	SHARED DISPOSITIVE POWER					
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9.	AGGREGAT	E AMOU	NT BENEFICIALLY OWNED BY EACH REPORTING PE	RSON				
	7,014,80	0						
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) $\mid_{-}\mid$							
11.	PERCENT	OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)					
	6.10%							
12.	TYPE OF	REPORT	ING PERSON (SEE INSTRUCTIONS)					
	IN							

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Item 1.

(a) Name of Issuer.

EXTREME NETWORKS, INC.

(b) Address of Issuer's Principal Executive Offices.

3585 Monroe Street Santa Clara, California 95051

Item 2.

(a) Name of Person Filing.

This Schedule 13G is being filed by Renaissance Technologies LLC ("RTC") and James H. Simons ("Simons").

(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.

Dr. Simons is a United States citizen and RTC is a Delaware limited liability company

(d) Title of Class of Securities.

Common Stock, \$0.001 par value

(e) CUSIP Number.

30226D106

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	this statement is filed pursuant to Rule 13d-1(b) or a ck whether the person filing is a:	13d-2(b	) or (c),			
(b)       (c)       (d)         (d)	Broker or dealer registered under Section 15 of the Bank as defined in Section 3(a)(6) of the Act.   Insurance Company as defined in Section 3(a)(19) of Investment Company registered under Section 8 of the Company Act.  X  Investment Adviser in accordance with Sec. 240.13d   Employee Benefit Plan or Endowment Fund in accordate 240.13d1(b)(1)(ii)(F).   Parent holding company, in accordance with Sec. 240.13d-1(b)(ii)(G).   A savings association as defined in Section 3(b) of Deposit Insurance Act.   A church plan that is excluded from the definition investment company under Section 3(c)(14) of the Incompany Act of 1940.   Group, in accordance with Sec. 240.13d-1(b)(1)(ii) is statement is filed pursuant to Sec. 240.13d-1(c), in the Incompany Incomp	of the Ache Inventor Ince with the Formula of the Formula of an Envestment (J).	stment )(ii)(E). h Sec. rederal			
_ .	is statement is filled pursuant to sec. 240.130-1(c),	CHECK L	IIIZ DOX			
Item 4. Own	ership					
(a)	(a) Amount Beneficially Owned.					
	RTC: 7,014,800 shares					
	Simons: 7,014,800 shares, comprising the shares beneficially owned by RTC, because of Dr. Simons' position as contr person of RTC.					
(b)	Percent of Class. RTC: 6.10% Simons: 6.10%					
(c)	Number of shares as to which each such person has					
	` '		7,014,800 7,014,800			
	(ii) shared power to vote or to direct the vote:		0			
		RTC: Simons:	7,014,800 7,014,800			
	<pre>(iv) shared power to dispose or to direct the disposition of:</pre>		0			

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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  $|\ |\ |$ 

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. RIEF Trading LLC holds of record more than 5% of such securities.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

Not applicable.

Item 8. Identification and Classification of Members of the Group.

Not applicable.

Item 9. Notice of Dissolution of Group.

Not applicable.

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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.

## 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, 2008

/s/ James H. Simons
James H. Simons

Renaissance Technologies LLC

By: /s/ Mark Silber

Mark Silber
Executive Vice President

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

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EXHIBIT 99.1

## AGREEMENT REGARDING JOINT FILING UNDER 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, \$0.001 par value of EXTREME NETWORKS, INC.

Date: February 12, 2008

/s/ James H. Simons
James H. Simons

Renaissance Technologies LLC

By: /s/ Mark Silber

Mark Silber

Executive Vice President

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