EXHIBIT 16

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Transcript of Khurram Islah, Corporate Designee Conducted on February 7, 2019

1 (1 to 4)

	1				2
1	1 IN THE UNITED STATES DISTRICT COURT	1	APPEARANCES		3
2	NORTHERN DISTRICT OF CALIFORNIA	2			
3	SAN FRANCISCO DIVISION	3	For the Plaintiff Finjan, Inc.:		
4	Х	4	KRAMER LEVIN NAFTALIS & FRANKEL	LLP	
5	FINJAN, INC., a Delaware :	5	BY: MICHAEL H. LEE, ESQ.		
6	Corporation, :	6	990 Marsh Road		
7	Plaintiff, : Case No.:	7	Menlo Park, California 94025		
8	vs. : 3:17-CV-05659-WHA	8			
9	JUNIPER NETWORKS, INC., a :	9	For the Defendant Juniper Networks, Inc.		
10	Delaware Corporation, :	10	and the Witness:		
11	Defendant. :	11	IRELL & MANELL LLP		
12	X	12	BY: REBECCA CARSON, ESQ.		
13		13	840 Newport Center Drive		
14	VIDEOTAPED 30(b)(6) DEPOSITION OF	14	Suite 400		
15	JUNIPER NETWORKS, INC.	15	Newport Beach, California 926606	324	
16	DESIGNEE: KHURRAM ISLAH	16	· · · · · · · · · · · · · · · · · · ·		
17	Sunnyvale, California	17	VIDEOGRAPHER: Lucien Newell		
18	Thursday, February 7, 2019	18			
19	9:42 a.m.	19			
20	5.42 d.m.	20			
20		21			
21		21			
	Job No.: 228017	22			
		23			
	Pages 1 - 139				
25	Reporter: Jenny L. Griffin, RMR, CSR, CRR, CCRR, CRC	25			
	2	┝			4
1	Videotaped Deposition of KHURRAM ISLAH,	1	CONTENTS		
2	held at the offices of:	2	EXAMINATION OF KHURRAM ISLAH		
3		3		PAGE	
4		4	PROCEEDINGS	6	
5	Juniper Networks, Inc.	5	BY MR. LEE	7	
6	1133 Innovation Way	6	BY MS. CARSON	136	
7	Building A	7			
8	Sunnyvale, California 94089	8	ЕХНІВІТЅ		
9		9	(Attached to the Transcript)		
10			ISLAH DEPOSITION EXHIBIT	PAGE	
11			Exhibit 1 License Agreement - Joe Secur		
12		12	LIC and Juniper Networks, Inc (JNPR-FNJN_29035_00962471-245		
13		13	Exhibit 2 Joe's Sandbox Installation Gu	ide 30	
14		14	(JNPR-FNJN_29040_01462115-214 Exhibit 3 License Agreement - Joe Secur		
15	Pursuant to Notice, before Jenny L. Griffin,	15	LIC and Juniper Networks, Inc (JNPR-FNJN_29035_00962500-251		
16	California Certified Shorthand Reporter #3969,	16	Exhibit 4 Email from Raju Manthena	73	
17	Registered Merit Reporter, Certified Realtime	17	-11/5/15 - Subject:Improving Deception		
18	Reporter, California Certified Realtime Reporter,	18	(JNPR-FNJN_29040_01180535)		
	Certified Realtime Captioner.	19 20	Exhibit 5 Joe Sandbox Desktop 13.0.0 (13.11.2015) (JNPR-FNJN_29040_01280968-097	83	
20		21	Exhibit 6 Joe Sandbox Brief - Jankins Z		
21 22		22	Feb/07/2017 (JNPR-FNJN_29033_00665289-536		
- 4		23	Exhibit 7 Document	111	
23			(JNPR-FNJN_29040_01194632-464	5)	
23 24		24	Exhibit 8 Sky ATP Analysis Pipeline	113	
				113	
24		24	Exhibit 8 Sky ATP Analysis Pipeline	113	

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Transcript of Khurram Islah, Corporate Designee Conducted on February 7, 2019 2 (5 to 8)

Conducted on F		
5 1 EXHIBITS CONTINUED	7 1 KHURRAM ISLAH,	
2 (Attached to the Transcript)	 KHURRAM ISLAH, being first duly sworn and/or affirmed by the 	
3 ISLAH DEPOSITION EXHIBIT PAGE		
4 Exhibit 9 Reputation Client & Server 119	3 Certified Shorthand Reporter to tell the truth, the4 whole truth, and nothing but the truth, testified as	
Document 5 (JNPR-FNJN_29017_00552634-2651)	5 follows:	
6 Exhibit 10 VE Efficacy, Oct. 30 123	6 EXAMINATION	
(JNPR-FNJN_29017_00552814-2828) 7 Exhibit 11 Joe Sandbox Cookbook Guide, Last 135	7 BY MR. LEE:	
Exhibit 11 Joe Sandbox Cookbook Guide, Last 135 8 Update: 01.06.2016	8 Q. Please state your name for the record.	
9 Exhibit 12 Cookbook Script 136	9 A. Khurram Islah.	
10	10 Q. Where do you work?	
11	11 A. I work at Juniper Networks.	
12	12 Q. What's your position at Juniper Networks?	
13	13 A. I am a software developer.	
14	14 Q. What are your responsibilities?	
15	15 A. I work in improving the efficacy of the	
16	16 product, specifically the Sky ATP solution. My	
17 18	17 primary focus is on the dynamic analysis.	
19	18 Q. Can you elaborate? What do you mean by	
20	19 "improving the efficacy of the product"?	
21	20 A. The looking into the dynamic analysis	
22	21 results and improving the detection rate, the false	
23	22 positives, the false negatives, the true positives,	
24	23 true negatives. Improving all those areas improves	
25	24 the efficacy of the product.	
	25 Q. How do you improve those areas?	
6	8	
1 PROCEEDINGS	1 A. One way of improving for example, in	
2 THE VIDEOGRAPHER: Here begins	2 dynamic analysis is to ensure that your detection	
3 Disk Number 1 in the videotaped deposition of	3 is close to what the actual classification should	
4 Khurram Islah in the matter of Finjan, Inc., versus	4 be.	
5 Juniper Networks, Inc., et al. in the United States	5 Q. How do you ensure that the detection is	
6 District Court, Northern District of California,	6 close to the actual classification?	
7 San Francisco Division, Case Number	7 A. So specifically in the domain of dynamic	
8 3:17-CV-05659-WHA.	8 analysis, where you are dependent on certain	
9 Today's date is February 7th, 2019. The	9 features, as a developer and looking into the	
10 time on the video monitor is 9:42. The videographer	10 details of the features, have to figure out what	
11 today is Lucien Newell, representing Planet Depos.	11 features are good for the solutions and what could	
12 This video deposition is taking place at	12 create a false positive.	
13 1133 Innovation Way, Building A, Sunnyvale,	13 Having a false positive is not good for a	
14 California 94089.	14 product, so we try to look into details and figure	
15 Would counsel please voice-identify	15 out how we could improve by adding in features or	
16 themselves and state whom they represent.	16 removing existing features based on the data that we	
17 MR. LEE: Michael Lee from Kramer Levin,	17 think is good enough to look into.	
18 representing Finjan.	18 Q. Are you solely responsible for the dynamic	
19 MS. CARSON: Rebecca Carson of Irell &	19 analysis part of Sky ATP?	
20 Manella, representing Juniper Networks and the	20 A. This is my main area of focus. I'm	
21 witness.	21 responsible for improving the efficacy of the	
22 THE VIDEOGRAPHER: The court reporter today	22 dynamic analysis. There are other engineers that	
23 is Jenny Griffin, representing Planet Depos.	23 help me in this domain.	
24 Would the reporter please swear in the	24 It's a big team, but my primary focus is on	
25 witness.	25 dynamic analysis.	

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Transcript of Khurram Islah, Corporate Designee

3 (9 to 12)

Conducted on February 7, 2019

	reolidary 7, 2013
9 1 Q. What other areas are you focused on other	11 1 adapter submits it to a third-party solution called
1 Q. What other areas are you focused on other 2 than dynamic analysis?	 adapter submits it to a third-party solution called Joe Security. And we get a report back to the
3 A. When it comes to the efficacy of the	3 adapter, and then the adapter looks into what has
4 product, we have to see that we are synced with the	4 been received.
	5 Does that answer what you
	 8 A. The Deception adapter submits the file to 9 Joe Security as a third-party solution, yes.
9 product. And I represent the dynamic analysis side 10 of it.	
 Q. Is there a name for this dynamic analysis? MS. CARSON: Objection. Form. 	11 A. Joe Security the way it works as a
	12 solution is the input to the solution is has to 12 he some sort of file or files. And the output
13THE WITNESS: We usually use it as dynamic14 analysis. And there is no such name if you have	13 be some sort of file or files. And the output 14 that the result would be in some sort of a JSON
15 probably I'm not sure you want an industry 16 standard name for it?	15 report.
- •	16 (Reporter clarification.)
17 BY MR. LEE:	17 BY MR. LEE:
18 Q. Does your team refer to the dynamic	18 Q. Which product of the Joe Security does
19 analysis as any other name?	19 Juniper use?
20 A. Oh, no. So far we use it in different	 20 MS. CARSON: Objection. Form. 21 THE WITNESS: I know of the license that we
21 terms, but I think that "dynamic analysis" is	
22 usually the term that we use. It's a general term	22 have. I'm not sure if it is related to the product.
23 that is come across when we have team meetings. But	23 BY MR. LEE:
24 we may I mean, others may be talking in a	24 Q. But would it help if you have the license?
25 different way, but I think, in general, that's what	25 A. Say that again.
10	12
1 it is. It's a dynamic analysis focus.	1 Q. Would it help if you have the license in
2 Q. What are the components of dynamic	2 front of you?
3 analysis?	3 A. The license is called yeah. If it
4 A. What is the	4 it's
5 Q. Components?	5 (Exhibit 1 was marked for
6 A. Components.	6 identification and is attached to the
7 MS. CARSON: Objection. Form.	7 transcript.)
8 THE WITNESS: Components of dynamic	8 BY MR. LEE:
9 analysis would be quite many, like I just explained.	9 Q. You've been handed an exhibit marked as
10 It's how do I start?	10 Exhibit Number 1. Exhibit Number 1 is basically
11 See, dynamic analysis is based on features,	11 JNPR-FNJN_29035_00962471 to -499.
12 and so I probably need to understand what do you	12 Do you recognize Exhibit Number 1?
13 mean by "components."	13 A. This is a question to me?
14 BY MR. LEE:	14 Q. Yes.
15 Q. For example, you mentioned adapters.	15 A. I have never looked into the license
16 A. Yes.	16 before. It's been done by the management. When
17 Q. Is there an adapter for dynamic analysis?	17 what I mean was the version this page, the
18 A. Yes. We have an adapter. We call it	18 license software, page 14.
19 Deception.	19 Q. You're referring to what's listed under
20 Q. Is there any other components to dynamic	20 "Licensed Software"?
21 analysis other than Deception?	21 A. Yes. So what I'm aware of is the Joe
22 A. So when we analyze a sample under dynamic	22 Sandbox Ultimate is the software package that we
23 analysis I'll tell you a whole flow, and probably	23 use.
24 you may find what you're looking for.	24 Q. Do you see under "Joe Sandbox Ultimate"
25 It comes through the adapter, and the	25 there are six items?

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Transcript of Khurram Islah, Corporate Designee

Conducted on February 7, 2019

4 (13 to 16)

13	15
1 Do you know where those six items are?	1 be the definition that Joe Sandbox team uses. But
2 MS. CARSON: Objection. Form.	2 when it comes to us, it's one package of Ultimate
3 THE WITNESS: We I don't know all of	3 which has the capabilities of all these listed here.
4 them because we don't use all of them.	4 Q. How would you characterize these six items?
5 BY MR. LEE:	5 A. I would characterize them as capabilities
6 Q. Which ones are not used?	6 of Joe Sandbox to us. They have given us the
7 A. This is a license. It is giving us the	7 capability to run all the features, to run Light
8 luxury to use all these features. But when it comes	8 features, to run Mobile features, to run some
9 to feature, it may be divided between two licenses,	9 filtering, to run classes, to run some X features.
10 if you understand what I'm trying to say.	10 But for me, as a developer, these are just
11 Q. Can you explain?	11 bunch of features that are intermingled between
12 A. A feature which is in mobile could be a	12 licenses.
13 feature in desktop also. So it's hard to say that a	13 Q. To be clear for the record, in Exhibit 1 at
14 feature that I picked for one is not there in the	14 page 14, there are six capabilities listed: Joe
15 other.	15 Sandbox Desktop, Joe Sandbox Light, Joe Sandbox
16 I could tell from respect of the features,	16 Mobile, Joe Sandbox X, Joe Sandbox Class, and Joe
17 if you have questions, what features we use. But	17 Sandbox Filter; correct?
18 there is no fine line among the licenses that I	18 A. That's right.
19 could draw and say we don't use a certain one and we	19 Q. And you don't know which of these does
20 do use the others based on the licenses.	20 Juniper use; correct?
21 We get an Ultimate. From there we get a	21 MS. CARSON: Objection. Form.
22 bunch of features in there, we pick some, and we	22 THE WITNESS: The problem with to answer
23 leave a lot out.	23 this question is these are all executables for us.
24 Q. Do you know if Juniper uses Joe Sandbox	24 I cannot look into the source code. It's a
25 Desktop?	25 third-party solution, so they have the fine line
14	16
1 A. We just use the Ultimate license, but we	1 defined to us. And we can only interact using
2 never use one specific piece of it. There is if	2 certain interfaces provided. So looking into
3 you look into the package where it how it's given	3 details of it, I wouldn't have insight to give you
4 to us, it's not divided among these sets. It's one	4 details.
5 package, one source code, which gives you the luxury	5 BY MR. LEE:
6 to use all of these features.	6 Q. Do you know what Joe Sandbox Mobile is?
7 And we handpick features, but when I'm	7 MS. CARSON: Objection. Form.
8 picking a feature, I don't get to know which part it	8 THE WITNESS: Specifically, again, saying
9 belongs to. I just know it belongs to the Sandbox	9 what Joe Sandbox Mobile is, I cannot define the
10 Ultimate package. And if I pick some other package,	10 whole thing. But with this, there are some mobile
11 it may not be there.	11 features associated, and the document would have
12 Q. Do you know what Joe Sandbox Desktop does?	12 more details about it. But I cannot explain the
13 A. By looking at these, a general way of	13 whole mobile, like I said. I it's a black box to
14 analyzing this is Joe Sandbox Desktop is heavier on	14 me, but I do know what features we could we could
15 features, will take more time to analyze than Joe	15 get from mobile.
16 Sandbox Light. That's how they differentiate. What	16 BY MR. LEE:
17 features they are adding, what not they are adding,	17 Q. What do you mean by "mobile features"?
18 I still don't know. That's one way of	18 A. The "mobile" definition for us is content
19 differentiating between Desktop and Light, is	19 or I would say files that could run on Android is
20 Desktop will have more features.	20 one example of mobile for us.
21 Q. So just to be clear, the six features	21 Q. Do you know what Joe Sandbox X is?
22 sorry.	22 A. What Joe Sandbox Axis?
•	22 O Vag It's the next and on the list
23 There are six products listed under Joe	23 Q. Yes. It's the next one on the list.
23 There are six products listed under Joe24 Sandbox Ultimate; is that correct?	23 Q. Yes. its the next one on the list. 24 A. Oh, X. Yes.

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