	Page 1
1	UNITED STATES PATENT AND TRADEMARK OFFICE
	BEFORE THE PATENT TRIAL AND APPEAL BOARD
2	
3	
	CISCO SYSTEMS, INC.,
4	
	Petitioner,
5	
б	v. CASE NO. IPR2018-01512
7	
	CENTRIPETAL NETWORKS, INC.,
8	
	Patent Owner.
9	
10	
11	** REVISED **
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13	* * * * * * * *
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15	The deposition of DR. MICHAEL GOODRICH was
16	taken before Patrick R. Miller, Alabama
17	Certified Court Reporter, No. 631, as
18	Commissioner, on Thursday, August 29th, 2019,
19	commencing at approximately 12:35 p.m., at the
20	Law Offices of Merchant & Gould, 191
21	Peachtree Street Northeast, Suite 3800, Atlanta,
22	Georgia, pursuant to the stipulations set forth
23	herein.
24	JOB NO. 167304
25	* * * * * * * *

	Page 2	Page 3
1	* * * * * * * *	1 * * * * * * *
2	APPEARANCES	² EXAMINATION INDEX
3		
4	Representing the Petitioner:	Dr. Michael Goodrich 4 BY MR. BLAKE 6
5	MR. JEFFREY BLAKE	5
6	Attorney at Law	6 7
0	Merchant & Gould 191 Peachtree Street Northeast	8
7	Atlanta, Georgia 30303	9 EXHIBIT INDEX
8	Atlanta, Georgia 50505	10 MARKED
9		Exhibit
10		Exhibit 2004 Declaration of Dr. Michael Goodrich 7
11	Representing the Patent Owner:	¹² in Support of Patent Owner's Response
12	MR. JEFFREY PRICE	(Previously marked and whereupon ¹³ retained by Counsel)
13	Attorney at Law Kramer Levin Naftalis & Frankel	14
	1177 6th Avenue	Cisco Exhibit
14	New York, New York 10036	Exhibit 1001 Patent No.: US 9,565,213 B2 9
15		¹⁶ (Previously marked and whereupon
16		retained by Counsel)
17 18		¹⁸ Exhibit 1008 Cisco ACNS Software Configuration 41
19		Guide for Centrally Managed
20		¹⁹ Deployments (Previously marked and whereupon
21		²⁰ retained by Counsel)
22		21 22
23		22 23
24 25		24
20		25 * * * * * * *
	Page 4	Page 5
1	* * * * * * * *	¹ MICHAEL GOODRICH
2	DR. MICHAEL GOODRICH,	² Exhibit 2004 in this proceeding?
3		
	the Witness, having been first duly sworn to	(Exhibit No. 2004 Was
4	the Witness, having been first duly sworn to speak the truth, the whole truth, and nothing	(Exhibit Ito: 2004 was
4 5	speak the truth, the whole truth, and nothing	⁴ previously marked for
		⁴ previously marked for
5	speak the truth, the whole truth, and nothing but the truth, testified as follows: EXAMINATION	 4 previously marked for 5 identification.) 6 A. Yes.
5 6	speak the truth, the whole truth, and nothing but the truth, testified as follows: EXAMINATION BY MR. BLAKE:	 4 previously marked for 5 identification.) 6 A. Yes. 7 Q. Are there any corrections that you
5 6 7	speak the truth, the whole truth, and nothing but the truth, testified as follows: EXAMINATION BY MR. BLAKE: Q. Good morning, Dr. Goodrich. Nice	 4 previously marked for 5 identification.) 6 A. Yes. 7 Q. Are there any corrections that you
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TSG Reporting - Worldwide

2 (Pages 2 to 5)

	Page 6		Page 7
1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	A. Okay. So there is reference here	2	word "that" for "and."
3	to the '213 Patent. I'm just double-	3	MR. BLAKE: Okay. Jeff, if we
4	checking that that reference is okay. Also even	4	could hand Dr. Jeffay a copy of the
5	before that, there's there's a redact where	5	'213 Patent?
б	it says, One or more PSGs that can automatically	6	MR. PRICE: It's going to be hard
7	create.	7	to reach Dr. Jeffay.
8	Q. Yes, sir.	8	MR. BLAKE: I mean, excuse me.
9	A. I think that should instead be an	9	
10	"and," because it's the SPM that does the	10	Dr. Goodrich. I apologize.
11	automatic creation.	11	MR. PRICE: No problem. I have
12		12	given him a copy of the '213 Patent.
13	Q. That's what I was asking about is	13	(Cisco Exhibit No. 1001 was
14	whether that "that" was a typo.	14	previously marked for
	A. Yeah, the "that" is a typo. It		identification.)
15	should be "and."	15	BY MR. BLAKE:
16	Q. It should be "and"?	16	Q. Dr. Goodrich, do you recognize
17	A. Yeah. I'll refer you back to the	17	this copy of US Patent 9,565,213?
18	SPM if that's not clear.	18	A. Yes. This indeed is the patent
19	Q. Okay. That's what I thought, but	19	that I have referred to as the '213 Patent.
20	I just wanted to confirm it.	20	Q. If you would take a moment to look
21	A. Yeah, that's correct.	21	through the '213 Patent and tell me, does it
22	Q. Okay.	22	give any specific examples in the specification
23	A. And then just to double-check that	23	of the claimed packet digest logging function?
24	citation at the end. Yeah, that citation looks	24	A. Yes, it does.
25	right. So I think the correction is just the	25	Q. Okay. And where is that?
	Page 8		Page 9
1		1	
1 2	MICHAEL GOODRICH	1 2	MICHAEL GOODRICH
	MICHAEL GOODRICH A. It's at least one place I've		MICHAEL GOODRICH you've cited, it discusses how the packet digest
2	MICHAEL GOODRICH A. It's at least one place I've found is just sitting here today, is starting	2	MICHAEL GOODRICH you've cited, it discusses how the packet digest logging function can be used, but does it
2 3	MICHAEL GOODRICH A. It's at least one place I've found is just sitting here today, is starting in Column 22, beginning around Line 53 and then	2 3	MICHAEL GOODRICH you've cited, it discusses how the packet digest logging function can be used, but does it provide any specific examples of what a packet
2 3 4	MICHAEL GOODRICH A. It's at least one place I've found is just sitting here today, is starting in Column 22, beginning around Line 53 and then continuing from there.	2 3 4	MICHAEL GOODRICH you've cited, it discusses how the packet digest logging function can be used, but does it provide any specific examples of what a packet digest logging function would look like?
2 3 4 5	MICHAEL GOODRICH A. It's at least one place I've found is just sitting here today, is starting in Column 22, beginning around Line 53 and then continuing from there. THE COURT REPORTER: You said "I	2 3 4 5	MICHAEL GOODRICH you've cited, it discusses how the packet digest logging function can be used, but does it provide any specific examples of what a packet digest logging function would look like? A. Yes, that's that's the whole
2 3 4 5 6	MICHAEL GOODRICH A. It's at least one place I've found is just sitting here today, is starting in Column 22, beginning around Line 53 and then continuing from there. THE COURT REPORTER: You said "I 63"?	2 3 4 5 6	MICHAEL GOODRICH you've cited, it discusses how the packet digest logging function can be used, but does it provide any specific examples of what a packet digest logging function would look like? A. Yes, that's that's the whole passage that comes in the next paragraph after
2 3 4 5 6 7	MICHAEL GOODRICH A. It's at least one place I've found is just sitting here today, is starting in Column 22, beginning around Line 53 and then continuing from there. THE COURT REPORTER: You said "I 63"? MR. BLAKE: Line 53, I believe he	2 3 4 5 6 7	MICHAEL GOODRICH you've cited, it discusses how the packet digest logging function can be used, but does it provide any specific examples of what a packet digest logging function would look like? A. Yes, that's that's the whole passage that comes in the next paragraph after that. So that begins on Column 22 at Line 60,
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MICHAEL GOODRICH A. It's at least one place I've found is just sitting here today, is starting in Column 22, beginning around Line 53 and then continuing from there. THE COURT REPORTER: You said "I 63"? MR. BLAKE: Line 53, I believe he said. A. Yes, that's correct. Q. So in Column 22, you would be referring to the sentence that says, At Step 1208, the packet security gateway may perform, on a packet-by-packet basis, the packet digest logging function on each of the packets corresponding to the packet-identification criteria. Is that correct? A. Yes, that's where it begins. And then the passage continues at least through Column 23, Line 18. Q. Okay. And this is discussing the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MICHAEL GOODRICH you've cited, it discusses how the packet digest logging function can be used, but does it provide any specific examples of what a packet digest logging function would look like? A. Yes, that's that's the whole passage that comes in the next paragraph after that. So that begins on Column 22 at Line 60, and continues to Column 23 at Line 18. Q. Okay. But it doesn't provide an example packet digest logging function, does it? A. I disagree with that statement. Q. Well, do you see one that shows you what the actual entries would be in a packet digest logging function? A. Yes, it's saying so in paragraph form, but that's that would be sufficient to a person of ordinary skill in the art. Q. Okay. Is there any other description in the '213 Patent that you've seen of a packet digest logging function? A. Without having a computer to do a

25 today, I'm not immediately recalling any others.

3 (Pages 6 to 9)

Q. Okay. Now, this section that

25

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	Page 10		Page 11
1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	Q. If you would look in your	2	going to look for that unless you want to
3	declaration to Paragraph 99 on Page 51.	3	highlight it yourself.
4	A. I'm there.	4	Q. I would reference you to Column 10
5	Q. And if you need a moment, take a	5	around Lines 26 to 37.
б	minute to refresh yourself on the paragraph.	6	A. I'm there. So this that
7	But it's discussing the use of the DSE, the	7	that that phraseology that is mentioning the
8	differentiated services code point selector.	8	DSCP locators and how you can have multiple
9	A. Yes, that's correct.	9	priorities would be understood by a person of
10	Q. The last sentence says, quote, In	10	ordinary skill in the art from this reference.
11	my opinion, viewing DSCP fields as an indication	11	In the context of a paragraph if you go up to
12	of a possible security threat or as an attack	12	Line 20 of Column 10, it says, Such an
13	remedy is to improperly import teachings from	13	enqueueing service may be utilized during or
14	the '213 Patent to ACNS in apparent hindsight,	14	following a network attack or, generally to
15	close quote.	15	provide prioritized service to critical network
16	Do you see that?	16	devices, e.g., when network resources are
17	A. Yes.	17	strained.
18	Q. How does the '213 Patent teach a	18	Q. Okay. So what does that teach you
19	person of ordinary skill in the art that the	19	as a person of ordinary skill in the art?
20	DSCP is an indication of a possible security	20	A. That, in this context, the DSCP
21	threat or as an attack remedy?	21	field is being used either during or to to
22	A. So there's a reference in the '213	22	thwart an attack or to recover from an attack.
23	Patent to using the DSCP. It described it in	23	That's what that sentence is is stating
24	the specifications. I don't have a computer	24	literally.
25	printout to do a keyword search, so I'm just	25	Q. Okay. How would the DSCP field be
	Page 12		Page 13
1		1	
1 2	Page 12 MICHAEL GOODRICH used to thwart an attack?	1 2	MICHAEL GOODRICH
	MICHAEL GOODRICH used to thwart an attack?		MICHAEL GOODRICH your question.
2	MICHAEL GOODRICH used to thwart an attack? A. That there could be some packets	2	MICHAEL GOODRICH
2 3	MICHAEL GOODRICH used to thwart an attack?	2 3	MICHAEL GOODRICH your question. Q. No, that's something that's
2 3 4	MICHAEL GOODRICH used to thwart an attack? A. That there could be some packets that are not a part of the attack that could be	2 3 4	MICHAEL GOODRICH your question. Q. No, that's something that's disclosed in the '213 Patent, but would the
2 3 4 5	MICHAEL GOODRICH used to thwart an attack? A. That there could be some packets that are not a part of the attack that could be used as a part of a remedy, and so then you	2 3 4 5	MICHAEL GOODRICH your question. Q. No, that's something that's disclosed in the '213 Patent, but would the concept of using the DSCP field to tag certain packets to allow them to get through during a network attack to help remedy the attack, would
2 3 4 5 6 7 8	MICHAEL GOODRICH used to thwart an attack? A. That there could be some packets that are not a part of the attack that could be used as a part of a remedy, and so then you would use the DSCP field to allow for those high-priority packets to get through even during the attack, and then, you know, their contents	2 3 4 5 6 7 8	MICHAEL GOODRICH your question. Q. No, that's something that's disclosed in the '213 Patent, but would the concept of using the DSCP field to tag certain packets to allow them to get through during a network attack to help remedy the attack, would that concept have been known to a person of
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877-702-9580 Goodwin Deposition August 29, 2019 Cisco v. Centripetal IPR2018-01512

	Page 14	Page 1	5
1	MICHAEL GOODRICH	¹ MICHAEL GOODRICH	
2	A. I don't have any recollection of	² to log packets that are associated with the DSCF	>
3	having seen that prior to the priority date of	³ field?	
4	the patent, and I don't recall having seen any	⁴ A. There's multiple reasons.	
5	evidence in this case that showed that that was	⁵ Q. What are they?	
б	something that was known before the priority	⁶ A. So, for example, one is that you	
7	date. That's why I had that sentence in my	⁷ want to be careful about where you're sending	
8	declaration. I believe that to do it use it	⁸ the packets. They're coming in now, because in	
9	in that way is is to use hindsight.	⁹ this scenario we're we're talking about in	
10	Q. Okay. And how would the DSCP	¹⁰ the '213 Patent, there could be multiple packet	
11	field be used to recover from a network attack?	¹¹ security gateways. So if you're getting	
12	A. I I just explained that. So	¹² one from you know, packets from another	
13	elsewhere, also, the patent talks about how you	¹³ packet security gateway, you want to make sure	
14	can be letting out in this sort of judicious way	¹⁴ that those indeed are safe, and logging is just	
15	more and more packets after denial-of-service	¹⁵ a way of sort of keeping track of this stuff so	
16	attacks, and now to recover from it, just to be	¹⁶ you can come back later and see if maybe that	
17	safe, you know, we're going to say, These, we	¹⁷ was a mistake perhaps, or maybe you could have	
18	really know are good. One way to do that was	¹⁸ done more, could have just tagged the ones that	
19	this incremental way that talks about in another	¹⁹ were tagged, this kind of stuff. Logging is	
20	way as here, is using the DSCP field, you can	²⁰ very useful, and a person of ordinary skill in	
21	prioritize packets you know are good, and now	²¹ the art would recognize that. ²² O A person of ordinary skill in the	
22	recovering from that denial-of-service attack,	Q: A person of ordinary skin in the	
23 24	you can send them out safely and quickly.	 art would have recognized the usefulness of logging even before the priority date of the 	
24 25	Q. Okay. And if I was using the DSCP	logging even before the priority date of the	
20	field as a remedy to an attack, why would I want	²⁵ '213 Patent, right?	
	Page 16	Page 1	_
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1		¹ MICHAEL GOODRICH	1
1 2	MICHAEL GOODRICH	¹ MICHAEL GOODRICH	7
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2	MICHAEL GOODRICH	 MICHAEL GOODRICH components, first identifying the subset of 	/
2 3	MICHAEL GOODRICH A. Logging in general was known. There's very specific types of logging	 MICHAEL GOODRICH components, first identifying the subset of information, then generating the record, then 	/
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1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	period.	2	Q. So as a person of ordinary skill
3	A. Right. So with respect to the	3	in the art, prior to the priority date of the
4	evidence in this case, I didn't see any logging	4	'213 Patent, would it have been known that you
5	of packets in ACNS at all. Instead, it's	5	could log a subset of the information found in a
6	loggings of transactions, which is quite	6	packet?
7	distinct from doing something on a	7	A. Just sitting here today, I'm not
8	packet-by-packet basis. Likewise, the Kjendal	8	recalling anything from that time. I did study
9	reference also, in my opinion, does not do	9	the references for this case. It's not in
10	does not teach packet logging. At best, it	10	those. Otherwise, I'd I'd need more time to
11	talks about sending packets to some other device	11	think about and put myself back to that time
12	called the network logger, which it never	12	frame to try to answer that question.
13	explains what it's doing. So just based on the	13	Q. Did any of the devices that you
14	evidence, I haven't seen anything that's doing	14	helped build and implement in your career have
15	packet logging from this this case, and if	15	logging functionality?
16	you're now asking me something more general	16	A. I don't recall as I sit here
17	beyond that, I would have to have better context	17	today. It was a it was awhile ago for some
18	on what you're asking.	18	of those devices.
19	Q. I'm asking you, outside the	19	Q. If we look at Claim 4 of the '213
20	context of the references, your knowledge as a	20	Patent
21	person of ordinary skill in the art do you	21	A. I'm there.
22	believe yourself to be a person of ordinary	22	Q it's a claim that depends from
23	skill in the art with respect to the '213	23	Claim 1, correct?
24	Patent?	24	A. Yes.
25	A. Yes.	25	Q. The first part of Claim 1 of
			2 01
1	Page 20	1	Page 21
1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	MICHAEL GOODRICH Claim 4, excuse me says, quote, Wherein the	2	MICHAEL GOODRICH is taught in the '213 Patent, it will have
2 3	MICHAEL GOODRICH Claim 4, excuse me says, quote, Wherein the application-layer packet-header information	2 3	MICHAEL GOODRICH is taught in the '213 Patent, it will have embedded in it in its payload, information
2 3 4	MICHAEL GOODRICH Claim 4, excuse me says, quote, Wherein the application-layer packet-header information identifies one or more hypertext transfer	2 3 4	MICHAEL GOODRICH is taught in the '213 Patent, it will have embedded in it in its payload, information that may be meant for the higher layers in the
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2 3 4 5 6	MICHAEL GOODRICH Claim 4, excuse me says, quote, Wherein the application-layer packet-header information identifies one or more hypertext transfer protocol (HTTP) packets. Do you see that?	2 3 4 5 6	MICHAEL GOODRICH is taught in the '213 Patent, it will have embedded in it in its payload, information that may be meant for the higher layers in the network stack such as, for example, HTTP header information. And so here, this is now teaching
2 3 4 5 6 7	MICHAEL GOODRICH Claim 4, excuse me says, quote, Wherein the application-layer packet-header information identifies one or more hypertext transfer protocol (HTTP) packets. Do you see that? A. Yes.	2 3 4 5 6 7	MICHAEL GOODRICH is taught in the '213 Patent, it will have embedded in it in its payload, information that may be meant for the higher layers in the network stack such as, for example, HTTP header information. And so here, this is now teaching that you you can use that HTTP packet-header
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	Page 22		Page 23
1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	using to say, Oh, this is, you know, the packets	2	information is going the application-layer
3	I'm interested in for, say, this packet digest	3	information is going to be embedded in one
4	logging function, you're identifying and using	4	packet?
5	this HTTP packet-header information, so you have	5	A. I still don't understand your
6	some kind of a pattern or string that you're	6	question.
7	looking for as a part of that application-layer	7	Q. How exactly does the application-
8	packet-header information. And that string or	8	layer header information identify more than one
9	pattern that you're using for could be	9	HTTP packet?
10	identifying more than one packet. So that's	10	A. Right. So I think I think the
11	what's being specified here in Claim 4. So even	11	confusion in your question is in reference to
12	though you're doing things on a packet-by-packet	12	what is Claim 4 referring to as the application-
13	basis, you know immediately as soon as you see a	13	layer packet-header information. So for that,
14	packet if it satisfies this condition. That	14	we have to go back to Claim 1. And we see
15	condition itself may identify more than one	15	already in the in in Claim 1, if you go to
16	packet.	16	Column 25 starting around Line 18, we have this
17	Q. Okay. And that's what I wanted	17	reference to a dynamic security policy that
18	you to, I guess, explain to me a little bit. If	18	comprises at least one rule specifying
19	I have application-layer packet-header	19	application-layer packet-header information and
20	information in one packet, how does that	20	a packet transformation function comprising a
21	identify other HTTP packets?	21	packet digest logging function, and then it goes
22	A. I don't understand your question.	22	on. So when Claim 4 is referring to this
23	Q. Well, how can the specific	23	application-layer packet-header information,
24	application-layer packet-header information	24	it's talking about application-layer packet-
25	identify more than one packet, right? The	25	header information that's inside of a rule.
	Page 24		Page 25
1		1	
1 2	MICHAEL GOODRICH	1 2	MICHAEL GOODRICH
	MICHAEL GOODRICH Your question was asking about information in		MICHAEL GOODRICH talking about the packets from the thing
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2 3 4	MICHAEL GOODRICH Your question was asking about information in the packet. The information in the packet is what might potentially match the information in	2 3 4	MICHAEL GOODRICH talking about the packets from the thing described in the '213 Patent, and it's my position that those are Layer-2 or Layer-3
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1 MICHAEL GOODRICH 2 application-layer packet. People could mean 4 different things by that, so I want to be very 9 precise in my answer to understand what you are 1 meaning by an application-layer packet. 9 A. So that's talking about the 1 meaning by an application-layer packet. 9 A. So that's talking about the 1 application-layer packet. 9 A. So that's talking about the 11 Q. Okay. 12 A. It has a number of examples of 13 that from inside the specification of the 14 paplication-layer message? 14 A. It would be part of an 15 paplication-layer message? 16 header information 17 paplication-layer message? 18 A. It would be in saying. Application-layer 19 A. It would a be part of an 19 application-layer message? 19 A. It would he part of an 19 application-layer packet? 20 A. It would be payload would has payload. 19		Page 26		Page 27
3 different things by that, so I want to be very precise in my answer to understand what you are meaning by an application-layer packet. information that could be containing in such a time of the target packet. 6 Q. Well, how do you understand it to meaning by an application-layer packet-header? beginning around Line 49, it starts giving canables of things that could be information that would be information. 10 application-layer packet-header information. beginning around Line 49, it starts giving canables of things that could be information that would be information. 11 Q. Okay. And that refers to application-layer farters to application-layer packet-header information. 10 Q. Aday. And those packets, shose 11 Deve packet-header information. 10 12 A. Twes. Q. Okay. And those packets, shose 13 A. Twe would - it would be part of an application-layer packet. 11 14 Deve packet. 11 15 Q. Okay. And those packets, shose	1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
a different things by that, so I want to be very a b precise in my answer to understand what you are a c Q. Well, how do you understand it to a mean-what do you understand it to beginning around Line 49, it start giving mean-what do you understand te chain to mean beginning around Line 49, it start giving application-layer packet-header? beginning around Line 49, it start giving application-layer packet-header? context start giving application-layer packet-header? a A. It has a number of examples of in that from inside the specification of the application-layer message? A. It would - it would be part of an application-layer packet start information application-layer packet? A. So now you're referring to application-layer packet? A. So now you're referring to application-layer packet. application-layer apacket. application-layer packet. packet, would he payload be in the same packet application-layer packet. cold fine application-layer packet. application-layer packet. application-layer packet. application-layer packet. as the application-layer packet. application-layer packet. as the application-layer packet. application-layer packet. asoth application-layer packet.	2		2	
4 precise in my answer to understand what you are meaning by an application-layer packet. information that could be contained in such a thing. So, for example, if we go to Column 7, beginning around Line 49, it starts giving examples of things that could be information and the 213 Patent. 10 application-layer packet-header information of the patent. 0. Okay. And those application-layer resters to application-layer message? 12 A. It has a number of examples of that information that would be part of an application-layer message? 0. Okay. And those application-layer HTTP packets would have header information that would be part of an application-layer message? 13 Q. Okay. And would the application-layer packet. 4. Yes. 14 MICHAEL GOODRICH 10 15 MICHAEL GOODRICH 25 14 MICHAEL GOODRICH 14 15 A. Yes. 14 16 MICHAEL GOODRICH 14 17 A. So have appload, could that payload, which the application-layer packet? 16 MICHAEL GOODRICH 25 17 A. That my court. That could alb e 18 A. So now you're referring to application-layer packet? 19 Page 28 10 O. Axa, in fare, if we look at Claim a say. the me	3		3	
s meaning by an application-layer packet. s 6 Q. Well, how do you understand the claim to meaning by an application-layer packet-header? 8 when it says, Application-layer packet-header? 9 A. So that's talking about the application-layer packet-header information. 10 application-layer packet-header? 11 Q. Okay. 12 A. It has a number of examples of things that could be information in the triant would be part of an application-layer message? 13 A. It would - it would be part of an application-layer message? 14 HTP packets would have header information. 15 bed efficient information in be part of an application-layer packet? 16 A. It would - it would be part of an application-layer packet? 17 application-layer packet? 18 A. It would - it formation is part of an application-layer packet? 19 Q. Okay. And would thap paloado.	4		4	
6 Q. Well, how do you understand it to 6 beginning around Line 49, it starts giving 7 mean what do you understand it to 6 9 A. So that's talking about the 7 9 A. So that's talking about the 7 9 A. So that's talking about the 9 11 Q. Okay. And that refers to application-layer packet-header? 12 A. It has a number of examples of 13 13 D. And is that information is that 9 14 patent. 10 Q. Okay. And those application-layer packet-header information 14 papplication-layer message? 11 11 15 opplication-layer packet-header information 11 16 header information that would be part of an 11 17 application-layer packet? 12 A. It would - it would be part of an 18 application-layer packet? 20 Okay. And would the application-layer 21 applexton-layer packet? A. So now you're referring to 20 22 application-layer packet. 20 Okay. It layer packet. 3 Q. Okay, As it possible	5		5	
7 mean what do you understand the claim to mean * examples of things that could be information 8 when it says, Application-layer packet-header? application-layer packet-header information. 0 10 application-layer packet-header information. 0 Okay. And those application-layer 11 Q. Okay. A. It has a number of examples of 12 A. Yes. 12 A. It has a number of examples of 13 A. Yes. Q. Okay. And those application-layer 12 A. It is would - it would be just what 16 A. Yes. Q. And would those packets, those 13 HTTP packets hader information. 20 Q. Okay. And would those paplication-layer 14 HTTP packets, also have a payload within them? A. Yes. Q. Okay. And would those paplication-layer 14 HTTP packets, also have a payload within them? A. Yes. Q. Okay. If such application-layer 15 optication-layer packet-header information be part of an application-layer packet-header information be part of an application-layer packet-header information. 20 Q. Okay. If such application-layer packet-header? 24 A. So now you're referring to application-layer packet-header? 21 HTTP packets, also have a payload within them? <t< td=""><th>6</th><td></td><th>6</th><td>• • •</td></t<>	6		6	• • •
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9 A. So that's talking about the 9 defined by the ² L3 Patent. 10 application-layer packet-header information. 10 11 Q. Okay. And that refers to 12 A. It has a number of examples of 12 13 that from inside the specification of the 13 14 patent. 14 15 Q. And is that information is that 15 16 header information that would be part of an 20 17 application-layer message? 17 18 A. It would - application-layer A. It would would the application-layer 19 the	8	when it says, Application-layer packet-header?	8	
10 application-layer packet-header information 10 Q. Okay. And that refers to 12 A. It has a number of examples of 11 A. It has a number of examples of 13 bad from inside the specification of the 12 A. It has a number of examples of 13 patent. Q. Okay. And hould hose application-layer 14 that from inside the specification of the 12 15 Q. And is that information is that 14 16 header information that would be part of an 15 17 A. It would it would be part of an 16 18 packet-header information 20 19 packet-header information 20 10 Q. Okay. And would the application-layer packet-leader information 20 12 A. It would it would be part of an 30 13 application-layer packet? 20 24 A. So now you're referring to 21 3 application-layer packet? 22 3 application-layer packet? 23 4 divided up. 25 5 at be asablo have apayload would athave packets, also have a payl	9		9	
12 A. It has a number of examples of that from inside the specification of the patent. 12 A. Yes. 13 that from inside the specification of the patent. 13 Q. Okay. And those application-layer 15 Q. And is that information is that header information that would be part of an application-layer message? 14 HTTP packets. sub have a payload within them? 16 header information is saying. Application-layer message? 17 Q. And would those packets, those 18 HTTP packets had a pulcation-layer packet-header information. 20 Q. Okay. And would the application-layer application-layer packet-header information be part of an application-layer packet? 20 Q. Okay. And would the application-layer application-layer packet header information be part of an application-layer packet? 24 A. So now you're referring to application-layer packets as the term is used in 23 packet, would the payload be in the same packet as the term is used in 25 application-layer HTTP packets bot application-layer throm this claim that an 4 10 11 MICHAEL GOODRICH 1 26 MICHAEL GOODRICH 1 11 MICHAEL GOODRICH 2 31 0. Okay. Is it possible such that 3 14 HTTP Put method call, the currery of it could be termbedded within one Layer-3 packet? 4	10	application-layer packet-header information.	10	
12 A. It has a number of examples of that from inside the specification of the patent. 12 A. Yes. 13 that from inside the specification of the patent. 13 Q. Okay. And those application-layer 15 Q. And is that information is that header information that would be part of an application-layer message? 14 HTTP packets. sub have a payload within them? 16 header information is saying. Application-layer message? 17 Q. And would those packets, those 18 HTTP packets had a pulcation-layer packet-header information. 20 Q. Okay. And would the application-layer application-layer packet-header information be part of an application-layer packet? 20 Q. Okay. And would the application-layer application-layer packet header information be part of an application-layer packet? 24 A. So now you're referring to application-layer packets as the term is used in 23 packet, would the payload be in the same packet as the term is used in 25 application-layer HTTP packets bot application-layer throm this claim that an 4 10 11 MICHAEL GOODRICH 1 26 MICHAEL GOODRICH 1 11 MICHAEL GOODRICH 2 31 0. Okay. Is it possible such that 3 14 HTTP Put method call, the currery of it could be termbedded within one Layer-3 packet? 4	11	Q. Okay.	11	application-layer HTTP packets, correct?
13 Q. Okay. And those application-layer 14 patent. 13 Q. Okay. And those application-layer 15 Q. And is that information is that 14 16 header information that would be part of an 15 17 application-layer message? 17 Q. And would those packets, those 19 A. It would it would be just what 16 A. Yes. 19 A. It would it would be part of an 17 Q. And would those packets, those 19 Q. Okay. And would the application-layer 17 A. They could. U's possible. 20 Q. Okay. And would the application-layer packet-header information be part of an 29 A. They could. U's possible. 24 A. So now you're referring to 25 A. It depends on how things got 25 application-layer packet sa the term is used in 25 A. It depends on how things got 26 MICHAEL GOODRICH 1 17 Q. So a person of ordinary skill in 3 Q. Okay. Is it possible such that 3 the art would mote possible. 26 4 all of an application-layer HTTP packet, both 17 MICHAEL GOODRICH 2	12	A. It has a number of examples of	12	
15 Q. And is that information is that 15 within them, correct? 16 header information that would be part of an 16 A. Yes. 19 A. It would it would be just what 16 A. Yes. 19 header information. 20 19 header information. 20 19 header information. 20 10 Q. Okay. And would the application-layer packet-header information be part of an 21 19 A. So now you're referring to 22 10 application-layer packet? 23 25 application-layer packet? 24 26 A. So now you're referring to 24 27 application-layer packet? 24 28 Page 28 Page 29 10 MICHAEL GOODRICH 2 Q. So a person of ordinary skill in 11 5 of the '213 Patent, it reads, The method of 3 4 12 MICHAEL GOODRICH 1 0, And, in fact, if we look at Claim 1 13 Q. And, in fact, if we look at Claim 3 4 HTTP PUT method call, the entitrety of it could 1	13		13	Q. Okay. And those application-layer
16 header information that would be part of an 16 A. Yes. 17 application-layer message? 17 Q. And would the application-layer 18 A. It would be just what 19 A. They could. It's possible. 19 Q. Okay. And would the application-layer packet? Q. Okay. And would the application-layer packet? 20 Q. Okay. And would the application-layer packet? 23 21 Q. Okay. And would the application-layer packet? 24 22 A. So now you're referring to 25 25 application-layer packets as the term is used in 24 26 MICHAEL GOODRICH 2 27 MICHAEL GOODRICH 2 28 Page 28 Page 29 1 MICHAEL GOODRICH 2 29 Q. Okay. Is it possible such that 3 31 Q. Okay. Is it possible such that 3 4 all of an application-layer MITTP packet, both 4 5 G. Kay. Is it possible. 6 6 embedded within one Layer-3 packet? 6 7 A. That may occur. That could 4 10	14	-	14	
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application layer mackets, model Page 28 Page 28 Page 28 Page 28 Page 29 Page 28 Page 29 Page 28 Page 29 MICHAEL GOODRICH 2 an application-layer packets, and base a payload within thems? Page 28 Page 28 Page 29 Page 28 Page 29 Page 28 Page 29 A. The would note page 28 Page 29 Page 28 Page 29 A. That may occur. That could Page 28 Page 1 of the 213 Parket, it reads, The method of 7 A. The would note page 3 payload would all be 6 embedded within one Layer-3 packet? 6 A. That may occur. That could 7 here today, that would not be possible. 9 O. O and in your experience as a person of ordinary skill in the art, is it a frequent occurrence that application-layer - MITTP packets 9 O. And in fact, if we look at Claim 10 for the 213 Parket, it reads, The method of 10 Claim 4, wherein the one or more HITTP packets 11 A. Tis possible. That I don't 9 A	16	header information that would be part of an	16	A. Yes.
19 the what the claim is saying. Application-layer packet-header information. 19 Å. They could. It's possible. 21 Q. Okay. And would the application-layer packet-header information be part of an application-layer packet? 23 Page 23 24 A. So now you're referring to application-layer packet sas the term is used in 24 A. So now you're referring to application-layer packet sas the term is used in 25 A. It depends on how things got Page 28 Page 28 Page 28 Page 29 1 MICHAEL GOODRICH 2 A. It depends on how things got 3 Q. Okay. Is it possible such that 4 10 of an application-layer HTTP packet, both its headers and its payload would all be 1 MICHAEL GOODRICH 4 all of an application-layer HTTP packet, both 1 the art would understand from this claim that an 4 all of an application-layerThat could happen. I don't see a reason why, just sitting 9 Q. And, in fact, if we look at Claim 5 of the '213 Patent, it reads, The method of 11 0 Ordinary skill in the art, is it a frequent 12 Q. So a that contemplates that an HTTP 1 GET method call could be embedded in	17	application-layer message?	17	Q. And would those packets, those
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24 A. So now you're referring to 24 25 application-layer packet, as the term is used in 25 26 Page 28 Page 29 1 MICHAEL GOODRICH 2 2 divided up. 2 NICHAEL GOODRICH 2 all of an application-layer HTTP packet, both 1 MICHAEL GOODRICH 2 all of an application-layer HTTP packet, both 1 0. Okay. Is it possible such that 4 all of an application-layer Apacket? 6 A. That may occur. That could 6 embedded within one Layer-3 packet? 6 A. I think that's allowed, because 7 A. Ind tark, if we look at Claim 10 0 6 8 happen. I don't see a reason why, just sitting 8 9 9 0. And, in fact, if we look at Claim 11 5 of the '213 Patent, it reads, The method of 11 0 0 0 12 Claim 4, wherein the one or more HTTP packets 12 method call. could be embedded in one Layer-3 packet 14 10 0 0 0 16 0. Ris possible. That I don't 16 0. Okay. And Claim 7 says, The 17	22	layer packet-header information be part of an		when those packets are embedded in a Layer-3
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Page 28 Page 29 1 MICHAEL GOODRICH 1 2 Q. Okay. Is it possible such that 3 4 all of an application-layer HTTP packet, both 3 5 embedded within one Layer-3 packet? 6 6 embedded within one Layer-3 packet? 6 7 A. That may occur. That could 7 8 happen. I don't see a reason why, just sitting 9 9 here today, that would not be possible. 9 10 Q. And, in fact, if we look at Claim 10 11 5 of the '213 Patent, it reads, The method of 11 12 Claim 4, wherein the one or more HTTP packets 12 14 Do you see that? 14 15 A. Yes. 15 16 Q. So that contemplates that an HTTP 16 17 GET method call could be embedded in one Layer-3 17 18 packet, correct? 18 19 A. It's possible. That I don't 19 20 Okay. And Claim 7 says, The 10 21 Q. Okay. And Claim 7 says, The 11	24	A. So now you're referring to	24	as the application-layer packet-headers?
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8 (Pages 26 to 29)

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	Page 30		Page 31
1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	A. I I I don't want to try to	2	packet-header the application-layer packet-
3	speculate about statistics without having done	3	header information that's associated with that
4 5	another study, but that is possible. We've	5	particular GET method call.
5	already I've already acknowledged that that's	6	Q. So what application-layer packet-
7	possible.	7	header information would be associated with an
8	Q. Okay. And if it's the case	8	HTTP GET method call?
9	just one second. Strike that.	9	A. So again, if we go back to that
10	Looking back at Column 5 Claim 5, excuse	10	passage in the patent specification, it talks about, as you just continue down Column 7, you
11	me, the '213 Patent, if you look towards the end of the claim, the last three lines in Column 26,	11	know, lots of details. I mean, we could go
12	Lines it looks like 17 through 19 recites,	12	through all of them, but lots of examples of
13	One or more packets comprising the application-	13	different kinds of application-layer packet-
14	layer packet-header information are associated	14	header information that would be associated
15	with the HTTP GET method call.	15	either with a GET or a PUT in this HTTP
16	Do you see that?	16	protocol.
17	A. Yes.	17	Q. Okay. And earlier in Claim 5
18	Q. What does that mean to you?	18	where it refers to one or more packets
19	A. Just what the language says,	19	comprising the application-layer packet-header
20	that we're talking about packet-header	20	information are amongst the one or more HTTP
21	information that's now at the application-layer	21	packets.
22	describing this HTTP protocol, and now within	22	Do you see that?
23	that protocol there's a GET method. So it's	23	A. No, sorry. Say that again?
24	there's a specific GET method call that's being	24	Q. Claim 5.
25	referenced here in Claim 5, and the	25	A. Yep.
		1	
	Page 32		Page 33
1		1	
1 2	MICHAEL GOODRICH	1 2	MICHAEL GOODRICH
	MICHAEL GOODRICH Q. There's a wherein clause that	1	MICHAEL GOODRICH header information to identify which packets
2	MICHAEL GOODRICH Q. There's a wherein clause that says, Wherein determining that the one or more	2	MICHAEL GOODRICH header information to identify which packets belong to this HTTP GET method, again, doing
2 3	MICHAEL GOODRICH Q. There's a wherein clause that says, Wherein determining that the one or more packets comprising the H the application-	2 3	MICHAEL GOODRICH header information to identify which packets
2 3 4	MICHAEL GOODRICH Q. There's a wherein clause that says, Wherein determining that the one or more packets comprising the H the application- layer packet-header information are amongst the	2 3 4	MICHAEL GOODRICH header information to identify which packets belong to this HTTP GET method, again, doing this on a packet-by-packet basis, so that
2 3 4 5	MICHAEL GOODRICH Q. There's a wherein clause that says, Wherein determining that the one or more packets comprising the H the application-	2 3 4 5	MICHAEL GOODRICH header information to identify which packets belong to this HTTP GET method, again, doing this on a packet-by-packet basis, so that determination is then, again, looking at the
2 3 4 5 6	MICHAEL GOODRICH Q. There's a wherein clause that says, Wherein determining that the one or more packets comprising the H the application- layer packet-header information are amongst the one or more HTTP packets.	2 3 4 5 6	MICHAEL GOODRICH header information to identify which packets belong to this HTTP GET method, again, doing this on a packet-by-packet basis, so that determination is then, again, looking at the packets and trying to determine which ones are
2 3 4 5 6 7	MICHAEL GOODRICH Q. There's a wherein clause that says, Wherein determining that the one or more packets comprising the H the application- layer packet-header information are amongst the one or more HTTP packets. Do you see that?	2 3 4 5 6 7	MICHAEL GOODRICH header information to identify which packets belong to this HTTP GET method, again, doing this on a packet-by-packet basis, so that determination is then, again, looking at the packets and trying to determine which ones are amongst the one or more HTTP packets comprises,
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1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	to this HTTP GET method could	2	A. I don't I don't think you're
3	comprise determining, you know, that to	3	parsing that sentence correctly.
4	determine if those packets are among the ones	4	Q. Why?
5	that go for this HTTP GET method, that process	5	A. It's it's admittedly a lot of,
6	could also determine and comprise determining	6	you know, subordinate conditions, some clauses,
7	that the one or more packets comprising the	7	but I was trying to explain that before. That
8	application-layer packet information are	8	part about the "amongst" is referring back to
9	associated with the HTTP GET method call.	9	this process of determining. So because
10	Q. I guess that's where I'm getting a	10	it's it's it's trying to modify what is
11	little bit confused, because the claim doesn't	11	this notion, so determining that one or more
12	say that the HTTP GET method packets are amongst	12	packets comprising the application-layer packet
13	the one or more HTTP packets. It says that	13	information are amongst the one or more HTTP
14	packets that comprise application-layer packet-	14	packets. That phrase what does that mean
15	header information are amongst the HTTP packets,	15	here? That is referring now to a specific type
16	correct?	16	of determination that's now making a
17	A. Yeah, I don't I don't see the	17	determination that those belong to the HTTP GET
18	contradiction there. I don't see why you're	18	method column. Because again, we're talking
19	confused.	19	about dependent claims, so Claim 5 depends on
20	Q. So if application-lay if	20	Claim 4. And so there's it's exact words cut
21	packets comprising the application-layer packet-	21	and pasted, essentially, from Claim 4 to then,
22 23	header information are some of the packets that	22 23	say, further limitations whether that phrase
23 24	are amongst the HTTP packets, what other HTTP	23	from Claim 4 now being further limited in
25	packets will be out there? Is it HTTP packets	24	Claim 5.
23	that have the payload?	25	Q. And so if the entire HTTP GET
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1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	method call is embedded within one L-3 packet,	2	your question. What do you mean by "only
3	that L-3 packet would contain the entire	3	performed"?
4	transaction, correct?	4	Q. Well, the limitation says that
5	A. Yes, but that still does not	5	you're performing by the packet security gateway
6 7	necessarily imply, for example, that things are	6	and on a packet-by-packet basis, the packet
	being done on a packet-by-packet basis. You	7	transformation function on each of the one or
8 9	have to look at the exact way things work to see	8	more packets comprising the application-layer
10	if it would satisfy that condition.	10	packet-header information.
11	Q. If we could pull out the hold	11	Do you see that?
12	on just one second. There was one other	12	A. Yes.
13	question I wanted to ask you about well, two	13	Q. So as literally read, it says that you're performing the packet transformation
14	other questions I wanted to ask you about the '213 Patent.	14	function on packets comprising the application-
		15	layer packet-header information; is that right?
15			
15 16	In Claim 1, in Column 25, if we could look at the performing limitation that is in Lines 32	16	
15 16 17	at the performing limitation that is in Lines 32		A. Yes.
16	at the performing limitation that is in Lines 32 to 37.	16	A. Yes.Q. So the claim does not require
16 17	at the performing limitation that is in Lines 32 to 37. A. I'm there.	16 17	A. Yes.Q. So the claim does not require performing the transformation function on
16 17 18	at the performing limitation that is in Lines 32 to 37.	16 17 18	A. Yes.Q. So the claim does not require performing the transformation function on packets that do not contain the application-
16 17 18 19	at the performing limitation that is in Lines 32 to 37. A. I'm there. Q. Would you agree that the packet transformation function that is discussed in	16 17 18 19	A. Yes. Q. So the claim does not require performing the transformation function on packets that do not contain the application- layer packet-header information, correct?
16 17 18 19 20	at the performing limitation that is in Lines 32 to 37. A. I'm there. Q. Would you agree that the packet	16 17 18 19 20	A. Yes.Q. So the claim does not require performing the transformation function on packets that do not contain the application-
16 17 18 19 20 21	at the performing limitation that is in Lines 32 to 37. A. I'm there. Q. Would you agree that the packet transformation function that is discussed in this limitation is only performed on packets	16 17 18 19 20 21	 A. Yes. Q. So the claim does not require performing the transformation function on packets that do not contain the application-layer packet-header information, correct? A. It I I don't see any
16 17 18 19 20 21 22	at the performing limitation that is in Lines 32 to 37. A. I'm there. Q. Would you agree that the packet transformation function that is discussed in this limitation is only performed on packets that comprise the application-layer packet-	16 17 18 19 20 21 22	 A. Yes. Q. So the claim does not require performing the transformation function on packets that do not contain the application-layer packet-header information, correct? A. It I I don't see any reference to things that do not have that

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1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	question is: The claim doesn't actually	2	configured to temporarily store data comprising
3	reference performing the packet transformation	3	the subset of information for each of the
4	function on anything other than packets that	4	identified packets, and to utilize the stored
5	comprise the application-layer packet-header	5	data to generate a message comprising the subset
6	information; don't you agree?	6	of information (or a portion thereof) for each
7	A. I don't see any any reference	7	of the identified packets.
8	to the other types of packets. It's just now	8	Do you see that?
9	referring to ones that do have that property,	9	A. Yes, I see that.
10	then you have these three steps that would have	10	Q. And is that part of the logging
11	to occur. I think of course, things that do	11	function that is disclosed in the specifications
12	not have that property still would have other	12	of the '213 Patent?
13	implications from some of the other elements	13	A. This is a possible embodiment that
14	from Claim 1. But this one now is talking about	14	could include that functionality.
15	this performing on each of the one or more	15	Q. Looking at that quote that I just
16	packets comprising the application-layer packet-	16	gave you from Column 23 of the '213 Patent, how
17	header information.	17	does the packet security gateway temporarily
18	Q. Okay. And if we could look to	18	store data comprising the subset of information
19	Column 23 of the '213 Patent.	19	for each of the identified packets?
20	A. I'm there.	20	A. I'm not sure I'm following that.
21	Q. I'd like to look at the sentence	21	There are well-known multiple ways to do that.
22	that is at Lines 6 through 12.	22	That's not that's not something that would be
23	A. Okay.	23	not understood by a person of ordinary skill in
24	Q. And it reads, quote, In some	24	the art.
25	embodiments, packet security gateway 112 may be	25	Q. Okay. What are some of the ways
	Page 40		Page 41
1	Page 40 MICHAEL GOODRICH	1	Page 41 MICHAEL GOODRICH
1 2		1 2	
	MICHAEL GOODRICH		MICHAEL GOODRICH
2	MICHAEL GOODRICH that it would have been known to temporarily	2	MICHAEL GOODRICH MR. BLAKE: No problem, and I guess
2 3 4 5	MICHAEL GOODRICH that it would have been known to temporarily store data? A. You could use the data structure commonly referred to as a buffer as one way.	2 3 4 5	MICHAEL GOODRICH MR. BLAKE: No problem, and I guess before I get started, do you need to take a break? We've been going about an hour.
2 3 4 5 6	MICHAEL GOODRICH that it would have been known to temporarily store data? A. You could use the data structure	2 3 4 5 6	MICHAEL GOODRICH MR. BLAKE: No problem, and I guess before I get started, do you need to take a break? We've been going about an hour. THE WITNESS: Actually, now is a
2 3 4 5 6 7	MICHAEL GOODRICH that it would have been known to temporarily store data? A. You could use the data structure commonly referred to as a buffer as one way. That's a very common way of doing that. Q. Any other ways?	2 3 4 5 6 7	MICHAEL GOODRICH MR. BLAKE: No problem, and I guess before I get started, do you need to take a break? We've been going about an hour. THE WITNESS: Actually, now is a good time for a break, yeah.
2 3 4 5 6 7 8	MICHAEL GOODRICH that it would have been known to temporarily store data? A. You could use the data structure commonly referred to as a buffer as one way. That's a very common way of doing that. Q. Any other ways? A. There's other ways to do temporary	2 3 4 5 6 7 8	MICHAEL GOODRICH MR. BLAKE: No problem, and I guess before I get started, do you need to take a break? We've been going about an hour. THE WITNESS: Actually, now is a good time for a break, yeah. MR. BLAKE: Okay. Why don't we
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11 (Pages 38 to 41)

Cisco Ex 1026

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1 MICHAEL GOODRICH 1 MICHAEL GOODRICH 2 Q. And you cite Pages 823 to 824 of 1 MICHAEL GOODRICH 3 Q. Where on those two pages does it use that phrase, but that would be understood by a person of ordinary skill in the art from the word? 4 D. On those two pages, it does not 9 Q. Carey. Construct. Q. Okay. You agree though it doesn't 1 the art from the words that is used. 1 A. It doesn't have that word but instead. 1 Q. Baty ou agree it doesn't use the 1 A. It doesn't have that word word wreassembly? 2 Q. And you also cite in Paragraph 7 A. Correct. Q. In Paragraph 71 of your 2 A. Let me double check that. That 1 1 1 3 Q. In Paragraph 71 of your 4 A. No in that exact words, but 2 A. Let me double check that. That 1 1 1 3 Q. In Paragraph 71 of your 4 A. No in that exact words, but 3 Q. In Paragraph 71 of your 4 A. No, that is not every beginning. The 4 MICHAEL GOODRICH 3 <t< th=""><th></th><th>Page 42</th><th></th><th>Page 43</th></t<>		Page 42		Page 43
2 Q. And you cire Page 823 to 824 of A. Correct. a use that phrase, but that would be understood by a person of ordinary skill in the art from the phrases it does use. 5 Q. Where on those two pages does it use the term 'reassemble'. Thestach, that would be understood by a person of ordinary skill in the art from the word's reassemble'. Thestach, that would be understood by a person of ordinary skill in the art from the word's reassemble'. Thestach, that would be understood by a person of ordinary skill in the art tword, but instead uses words that would, but instead uses words that would be understood by a person of ordinary skill in the art tword, but instead uses words that would be understood by a person of ordinary skill in the art tword, but instead uses words that would be understood by a person of ordinary skill in the art tword, but instead uses words that would be understood by a person of ordinary skill in the art tword, but instead uses other words that implies that word. 14 Q. Buryou agree it doesn't use the term 'reassemble'. Thestach that such a try pour deciaration that you cite a portion of the ACNS guide: that uses the word 'reassembly'? 15 A. Correct? A. No tin that exact words, but instead uses other words that implies that word. 16 Q. In Pargraph 71 of your deciaration that you so that? 17 Q. That's okay. Where does Page 19-1 use the term' reassembly'?? A. Yeah, sonry for the typo. 18 Q. That's okay. Where does Page 19-1 use that phrase security, right? A. Yeah, is uses that word "system security, right? 19 MICHAEL GOODRICH <	1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
3 Exhibit 1008, which is the ACNS guide, correct? 3 a person of ordinary skill in the art from the phrases it does use. 5 Q. Where on those two pages does it use the term "reassemble"? Q. Okay. You agree though it doesn't say anything about the word "reassemble" itself, ifght? 6 A. On those two pages, it does not use the word "reassemble". Instead, that would be understood by a person of ordinary skill in the art to imply itself, ifght? 10 the art from the words that is used. 11 Q. But you agree it doesn't use the iterm "reassemble". Correct. 12 Q. Oray on also cite in Paragraph 13 A. Correct. 14 Q. And you also cite in Paragraph 15 73 - to support this concept of reassembly, you cite aport the correct? 14 Q. In that scare words, but instead uses words words, but instead it hat words	2		2	
4 A. Correct. 4 phrases it does use. 9 Q. Okay. You agree though it doesn't 10 use the term 'reassemble.'' A. On those two pages, it does not 11 use the word 'reassemble.'' A. It doesn't har would be understood by a person of ordinary skill in the art form the word's that is used. 12 Q. But you agree it doesn't use the 1 12 Q. But you agree it doesn't use the 1 13 A. Correct. 0 14 Q. And you also cite in Paragraph 1 15 73 - to support this concept of reassembly.'' 1 16 A. Let me double-check that. That 0 17 Q. Ind you also cite in Paragraph 1 18 A. Let me double-check that. That 1 19 one might be a typo. Hold on. Yeah, I think 1 19 Q. Inat's okay. Where does Page 19-1 2 14 U. Hot doesn't 2 14 MICHAEL GOODRICH 2 15 System security, is that right? 3 16 Correct ? 4 17 MICHAEL GOODRICH 2 18 </th <th>3</th> <th></th> <th>3</th> <th></th>	3		3	
5 Q. Where on those two pages does it 5 Q. Okay. You agree though it doesn't 6 use the term "reassemble". 5 G. Okay. You agree though it doesn't 7 A. On those two pages, it does not 5 say anything about the word "reassembly" itself, right? 10 the understood by a person of ordinary skill in the art to imply 4 1 A. It doesn't have that word, but 11 the understood by a person of ordinary skill in the art to imply that and uses ofter word "reassembly." A. It doesn't have that word. De understood by a person of ordinary skill in the art to imply 12 therm "reassemble." correct? A. No tin that exact words, but To words that implies that word. 13 A. Correct. Q. In brangraph 71 of your 14 G. Oract, words, word oreassembly." A. No thin the exact words, but 15 one might be a typo. To you see that? 16 Oract, words, word oreassembly." Dy oyu see that? 17 Q. In that sentence you would acknowledge that the set word? Dy oyu see that? 16 MICHAEL GOODRICH To work ant inge any privide system 17 Q. So you would acknowledge that the set word? That hit sees that word 'ysesesuch as code Red, correct? <th>4</th> <th></th> <th>4</th> <th></th>	4		4	
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7 A. On those two pages, it does not use the word "reassemble." Instead, that would be understood by a person of ordinary skill in the art to imply the art from the words that is used. 7 A. It doesn't have that would be understood by a person of ordinary skill in the art to imply that. 10 0. But you agree it doesn't use the term "reassemble," correct? 2 0. Is there anywhere in your declaration that you cite a portion of the ACNS guide that uses the word "reassembly"? 13 A. Correct. Q. Is there anywhere in your declaration that you cite a portion of the ACNS guide that uses the word "reassembly"? 14 Q. And you also cite in Paragraph 71 of your guide that uses the word "reassembly"? A. Not in that exact words, but instead uses words that implies that word. 15 ore might be a typo. Hold on . Yeah, 1 think that should have been 19-1. Q. In Paragraph 71 of your declaration which is on Page 35, there's a sentence that starts at the very beginning. The ACNS guide discloses that it provides content caching. 12 Q. That's okay. Where does Page 19-1 use the term "reassembly."? A. Yeah, sorry for the typo. 14 MICHAEL GOODRICH 2 15 System security; is that right? A. No, that's not really what that's associated with that. No enally focused on a tubentication ad authorization that's an athentication. Instead there tore associated with that. No enally focused on a tubentication ad authorization that's an athentication and system security; right? 2 O.	6		6	
 use the word "reassemble." Instead, that would be understood by a person of ordinary skill in the art from the words that is used. Q. But you agree it doesn't use the term "reassemble," correct? A. Correct. Q. And you also cite in Paragraph 77 3- to support this concept of reassembly, you cite Page 9.1 of the -9-1 of the ACNS guide its that correct? A. Let me double-check that. That one might be a typo. Hold on. Yeah, I think that should have been 19-1. Q. 19-1? A. Yeah, sorry for the typo. Q. That's okay. Where does Page 19-1 use the term "reassembly"? A. I - it does it also doesn't Page 44 MICHAEL GOODRICH discloses that it has an application for, quote, asystem security, its that right? A. Right, what they're referring to as system security, which its dealing more with authentication. Q. So you would acknowledge that the content engines in the ACNS guide, it doesn't refer only to authentication. Q. Well, on Page 19-9, when talking about system security, which is dealing more with authentication. Q. Well, on Page 19-9, when talking about system security, which is dealing more with authentication. Q. Well, on Page 1-9, when talking about system security, right? A. Yes. Q. So it's referring to users storm end users to more than is serventing a work environment and system security, right? A. That is correct. Q. So it's referring to more than just authentication? Q. So it's referring to more than just authentication? Q. Na further on down the on Page Q. Na further on down the on Page Q. And further on down the on Page Q. Na further on down the on Page Q. And further on down the on Page Q. And further on down the on Page<th>7</th><th></th><th>7</th><th></th>	7		7	
9 be understood by a person of ordinary skill in the art from the words that is used. 9 instead uses words that would be understood by a person of ordinary skill in the art to imply 11 Q. But you agree it doesn't use the term "reasemble," correct. 12 Q. So to support this concept of reassembly, you 15 73 - to support this concept of reassembly, you 13 A. Correct. 14 16 Q. And you also cite in Paragraph 74 A. Not in that exact words, but instead uses other words that implies that word. 17 guide; is that correct? 14 9 a. Let me double-check that. That one might be a typo. Hold on. Yeah, I think that should have been 19-1. 16 17 A. Let me double-check that. That an one might be a typo. Hold on. Yeah, I think that where does Page 19-1 17 22 A. Yeah, sorry for the typo. 22 Do you see that? 23 A. Yeas. 24 Q. In that sentence you would acknowledge, correct, that the ACNS guide 12 WICHAEL GOODRICH 1 32 32 A. Yeah, it uses that word "system security, right? 4 33 33 34 34 34 35 35 36 36 36 36 36 36 36 36 36 36 36 36 <t< th=""><th>8</th><th>10</th><th>8</th><th>6</th></t<>	8	10	8	6
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1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	just viruses in general.	2	A. Yes.
3	Q. It gives Code Red as an example,	3	Q. You would acknowledge that the
4	but it doesn't limit Code Red to the only type	4	third-party software that's implementing the
5	of virus that could be prevented, correct?	5	content filtering could be integrated with the
6	A. It literally says, Viruses such as	6	ACNS software, correct?
7	Code Red.	7	A. I it's possible, because it
8	Q. Right. "Such as" is just one	8	gives two examples here on Page 1-10.
9	example, wouldn't you agree?	9	Q. And that would be Websense and
10	A. It's talking about a type, so it's	10	SmartFilter?
11	the Code Red type of virus.	11	A. Right. But depending on what you
12	Q. And that would be a security	12	mean by "integrated," it says it supports it.
13	function to try to prevent that type of virus,	13	So whatever ACNS is referring to as the notion
14	correct?	14	of how it's being used, that's how it's being
15	A. I would agree with that. It says	15	used.
16	that in the in the leading sentence that is	16	Q. If we turn to Page 19-1 of the
17	before those bullet points.	17	ACNS guide which I know takes a minute
18	Q. In Paragraph 70 or the end of	18	because it's a pretty big document
19	Paragraph 71 of your declaration, you have a	19	A. I'm getting there.
20	sentence that reads, quote, The ACNS guide	20	Q but it's on the page that's
21	further explains that ACNS 5.5 software relies	21	Bates-numbered 697.
22	on third-party software to implement content	22	A. I get I'm there.
23	filtering.	23	Q. You would acknowledge that the
24	And you cite Page 1-10 of the ACNS guide,	24	ACNS guide on Pages 19-1 to 19-3 show a variety
25	correct?	25	of logging formats; is that right?
	Page 48		Page 49
1	Page 48 MICHAEL GOODRICH	1	Page 49 MICHAEL GOODRICH
1 2	MICHAEL GOODRICH	1 2	
	MICHAEL GOODRICH A. Yes, I would agree with that.		MICHAEL GOODRICH
2	MICHAEL GOODRICH A. Yes, I would agree with that. Q. And in those formats, they give	2	MICHAEL GOODRICH A. Correct.
2 3	MICHAEL GOODRICH A. Yes, I would agree with that.	2 3	MICHAEL GOODRICH A. Correct. Q. So if I look on Page 19-1 under
2 3 4	MICHAEL GOODRICH A. Yes, I would agree with that. Q. And in those formats, they give examples of log entries in each different type	2 3 4	MICHAEL GOODRICH A. Correct. Q. So if I look on Page 19-1 under squid-style transaction logging, do you see on
2 3 4 5	MICHAEL GOODRICH A. Yes, I would agree with that. Q. And in those formats, they give examples of log entries in each different type of format; is that right?	2 3 4 5	MICHAEL GOODRICH A. Correct. Q. So if I look on Page 19-1 under squid-style transaction logging, do you see on the last two lines of the page, there's an
2 3 4 5 6	MICHAEL GOODRICH A. Yes, I would agree with that. Q. And in those formats, they give examples of log entries in each different type of format; is that right? A. Yes. I cite to some of this in my	2 3 4 5 6	MICHAEL GOODRICH A. Correct. Q. So if I look on Page 19-1 under squid-style transaction logging, do you see on the last two lines of the page, there's an example of a squid log form?
2 3 4 5 6 7	MICHAEL GOODRICH A. Yes, I would agree with that. Q. And in those formats, they give examples of log entries in each different type of format; is that right? A. Yes. I cite to some of this in my declaration.	2 3 4 5 6 7	MICHAEL GOODRICH A. Correct. Q. So if I look on Page 19-1 under squid-style transaction logging, do you see on the last two lines of the page, there's an example of a squid log form? A. Yeah, I see that.
2 3 4 5 6 7 8	MICHAEL GOODRICH A. Yes, I would agree with that. Q. And in those formats, they give examples of log entries in each different type of format; is that right? A. Yes. I cite to some of this in my declaration. Q. And each format that you see, the	2 3 4 5 6 7 8	MICHAEL GOODRICH A. Correct. Q. So if I look on Page 19-1 under squid-style transaction logging, do you see on the last two lines of the page, there's an example of a squid log form? A. Yeah, I see that. Q. And here, the number of bytes
2 3 4 5 6 7 8 9 10 11	MICHAEL GOODRICH A. Yes, I would agree with that. Q. And in those formats, they give examples of log entries in each different type of format; is that right? A. Yes. I cite to some of this in my declaration. Q. And each format that you see, the examples on Pages 19-1 to 19-3, contains HTTP	2 3 4 5 6 7 8 9 10 11	MICHAEL GOODRICH A. Correct. Q. So if I look on Page 19-1 under squid-style transaction logging, do you see on the last two lines of the page, there's an example of a squid log form? A. Yeah, I see that. Q. And here, the number of bytes listed is 1100?
2 3 4 5 6 7 8 9 10 11 12	MICHAEL GOODRICH A. Yes, I would agree with that. Q. And in those formats, they give examples of log entries in each different type of format; is that right? A. Yes. I cite to some of this in my declaration. Q. And each format that you see, the examples on Pages 19-1 to 19-3, contains HTTP application-layer packet-header information in them, don't they? A. I would say it definitely includes	2 3 4 5 6 7 8 9 10 11 12	MICHAEL GOODRICH A. Correct. Q. So if I look on Page 19-1 under squid-style transaction logging, do you see on the last two lines of the page, there's an example of a squid log form? A. Yeah, I see that. Q. And here, the number of bytes listed is 1100? A. That's correct. Q. So this the byte size here is smaller than what you would understand to be the
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2 3 4 5 6 7 8 9 10 11 12 13 14 15	MICHAEL GOODRICH A. Yes, I would agree with that. Q. And in those formats, they give examples of log entries in each different type of format; is that right? A. Yes. I cite to some of this in my declaration. Q. And each format that you see, the examples on Pages 19-1 to 19-3, contains HTTP application-layer packet-header information in them, don't they? A. I would say it definitely includes HTTP information, but these are not packets, so I'm not sure I would go all the way to say it contains HTTP packet-header information, no.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	MICHAEL GOODRICH A. Correct. Q. So if I look on Page 19-1 under squid-style transaction logging, do you see on the last two lines of the page, there's an example of a squid log form? A. Yeah, I see that. Q. And here, the number of bytes listed is 1100? A. That's correct. Q. So this the byte size here is smaller than what you would understand to be the limit in a standard packet, correct? A. Yeah. That doesn't mean it did it didn't span multiple packets, but that number
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MICHAEL GOODRICH A. Yes, I would agree with that. Q. And in those formats, they give examples of log entries in each different type of format; is that right? A. Yes. I cite to some of this in my declaration. Q. And each format that you see, the examples on Pages 19-1 to 19-3, contains HTTP application-layer packet-header information in them, don't they? A. I would say it definitely includes HTTP information, but these are not packets, so I'm not sure I would go all the way to say it contains HTTP packet-header information, no. Q. How do you know that they're not packets?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MICHAEL GOODRICH A. Correct. Q. So if I look on Page 19-1 under squid-style transaction logging, do you see on the last two lines of the page, there's an example of a squid log form? A. Yeah, I see that. Q. And here, the number of bytes listed is 1100? A. That's correct. Q. So this the byte size here is smaller than what you would understand to be the limit in a standard packet, correct? A. Yeah. That doesn't mean it did it didn't span multiple packets, but that number is less than the maximum transmission unit of a standard packet.
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	MICHAEL GOODRICH A. Yes, I would agree with that. Q. And in those formats, they give examples of log entries in each different type of format; is that right? A. Yes. I cite to some of this in my declaration. Q. And each format that you see, the examples on Pages 19-1 to 19-3, contains HTTP application-layer packet-header information in them, don't they? A. I would say it definitely includes HTTP information, but these are not packets, so I'm not sure I would go all the way to say it contains HTTP packet-header information, no. Q. How do you know that they're not packets? A. Oh, they're because they're complete messages. And as I opined in my	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	MICHAEL GOODRICH A. Correct. Q. So if I look on Page 19-1 under squid-style transaction logging, do you see on the last two lines of the page, there's an example of a squid log form? A. Yeah, I see that. Q. And here, the number of bytes listed is 1100? A. That's correct. Q. So this the byte size here is smaller than what you would understand to be the limit in a standard packet, correct? A. Yeah. That doesn't mean it did it didn't span multiple packets, but that number is less than the maximum transmission unit of a standard packet. Q. So in this example, it could be inside one packet, correct?
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MICHAEL GOODRICH A. Yes, I would agree with that. Q. And in those formats, they give examples of log entries in each different type of format; is that right? A. Yes. I cite to some of this in my declaration. Q. And each format that you see, the examples on Pages 19-1 to 19-3, contains HTTP application-layer packet-header information in them, don't they? A. I would say it definitely includes HTTP information, but these are not packets, so I'm not sure I would go all the way to say it contains HTTP packet-header information, no. Q. How do you know that they're not packets? A. Oh, they're because they're complete messages. And as I opined in my report, or my declaration rather, the example of a log entry on Page 19-3 strongly suggests that its data spans multiple packets.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MICHAEL GOODRICH A. Correct. Q. So if I look on Page 19-1 under squid-style transaction logging, do you see on the last two lines of the page, there's an example of a squid log form? A. Yeah, I see that. Q. And here, the number of bytes listed is 1100? A. That's correct. Q. So this the byte size here is smaller than what you would understand to be the limit in a standard packet, correct? A. Yeah. That doesn't mean it did it didn't span multiple packets, but that number is less than the maximum transmission unit of a standard packet. Q. So in this example, it could be inside one packet, correct? A. Right. But now it's been reassembled, even though it could have been one packet, it and various packet-header
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	MICHAEL GOODRICH A. Yes, I would agree with that. Q. And in those formats, they give examples of log entries in each different type of format; is that right? A. Yes. I cite to some of this in my declaration. Q. And each format that you see, the examples on Pages 19-1 to 19-3, contains HTTP application-layer packet-header information in them, don't they? A. I would say it definitely includes HTTP information, but these are not packets, so I'm not sure I would go all the way to say it contains HTTP packet-header information, no. Q. How do you know that they're not packets? A. Oh, they're because they're complete messages. And as I opined in my report, or my declaration rather, the example of a log entry on Page 19-3 strongly suggests that its data spans multiple packets. Q. That's because of the number of bytes that are implemented that are indicated	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	MICHAEL GOODRICH A. Correct. Q. So if I look on Page 19-1 under squid-style transaction logging, do you see on the last two lines of the page, there's an example of a squid log form? A. Yeah, I see that. Q. And here, the number of bytes listed is 1100? A. That's correct. Q. So this the byte size here is smaller than what you would understand to be the limit in a standard packet, correct? A. Yeah. That doesn't mean it did it didn't span multiple packets, but that number is less than the maximum transmission unit of a standard packet. Q. So in this example, it could be inside one packet, correct? A. Right. But now it's been reassembled, even though it could have been one packet, it and various packet-header information has been removed, and now it's been
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13 (Pages 46 to 49)

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	Page 50		Page 51
1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	Q. How do you know it was reassembled	2	And now it's been extracted and put together as
3	in this squid-style transaction logging example	3	a as the message, not as individual packets,
4	instead of just taking the log information from	4	and this is not operating on a packet-by-packet
5	the packet?		basis.
6	A. Because of the way all the the	6	Q. How do you know it's been
7	parameters are are specified here. There's a	7	reassembled and put together as a full message
8	lot of stuff left out.	8	before the log entry was created?
9	Q. Such as?	9	A. Just by the way that again,
10	A. Such as, like, port numbers. I	10	this is the way that a person of ordinary skill
11	think that's being left out here. It looks like	11	in the art would be looking at this. They'd be
12	port numbers are being left out here, for	12	reading this whole document in its entirety,
13	example. This is one example.	13	inclusive of Page 19-3, and would understand
14	Q. So your position is the fact that	14	that all these things are being referenced to
15	the port number is left out of the log entry	15	the actual transactions. And Chapter 19
16	indicates that the data must have been	16	literally never uses the word "packet." I did a
17	reassembled before it was logged?	17	keyword search. It doesn't use the word
18	MR. PRICE: Objection.	18	"packet." Instead, it always refers to
19	A. No, I'm just saying that, again,	19	Q. It also doesn't use the word
20	to a person of ordinary skill in the art looking	20	"reassemble."
21	at this, this is a complete message. Whether or	21	A. Sorry. It always refers to
22	not it was potentially existing as a payload	22	transactions. Again, they're not packets.
23	inside one packet is not the main point. The	23	They're full-line transactions. That's how a
24	main point is now it's been reassembled even	24	person of ordinary skill in the art would
25	though it was it was contained in one packet.	25	understand that word.
	Page 52		Page 53
1	5		5
	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	MICHAEL GOODRICH	1 2	MICHAEL GOODRICH
	Q. You would admit that Chapter 19	1 2 3	multiple log examples, so tell me specifically
2	Q. You would admit that Chapter 19 doesn't use the word "reassembled," correct?	2	multiple log examples, so tell me specifically where you're talking.
2 3	Q. You would admit that Chapter 19doesn't use the word "reassembled," correct?A. That's also correct. It doesn't	2 3	multiple log examples, so tell me specifically where you're talking. A. The one on the bottom that you
2 3 4	Q. You would admit that Chapter 19doesn't use the word "reassembled," correct?A. That's also correct. It doesn'tuse that exact word but instead uses the word	2 3 4	multiple log examples, so tell me specifically where you're talking. A. The one on the bottom that you referred to, there there's there's two
2 3 4 5	 Q. You would admit that Chapter 19 doesn't use the word "reassembled," correct? A. That's also correct. It doesn't use that exact word but instead uses the word "transaction," which a person of ordinary skill 	2 3 4 5	multiple log examples, so tell me specifically where you're talking. A. The one on the bottom that you referred to, there there's there's two dashes in the very bottom line.
2 3 4 5 6	 Q. You would admit that Chapter 19 doesn't use the word "reassembled," correct? A. That's also correct. It doesn't use that exact word but instead uses the word "transaction," which a person of ordinary skill in the art would understand requires reassembly. 	2 3 4 5 6	multiple log examples, so tell me specifically where you're talking. A. The one on the bottom that you referred to, there there's there's two dashes in the very bottom line. Q. Yes.
2 3 4 5 6 7	 Q. You would admit that Chapter 19 doesn't use the word "reassembled," correct? A. That's also correct. It doesn't use that exact word but instead uses the word "transaction," which a person of ordinary skill 	2 3 4 5 6 7	multiple log examples, so tell me specifically where you're talking. A. The one on the bottom that you referred to, there there's there's two dashes in the very bottom line.
2 3 4 5 6 7 8	 Q. You would admit that Chapter 19 doesn't use the word "reassembled," correct? A. That's also correct. It doesn't use that exact word but instead uses the word "transaction," which a person of ordinary skill in the art would understand requires reassembly. Q. Specific to the squid format 	2 3 4 5 6 7 8	 multiple log examples, so tell me specifically where you're talking. A. The one on the bottom that you referred to, there there's there's two dashes in the very bottom line. Q. Yes. A. There's one right before the word
2 3 4 5 6 7 8 9	Q. You would admit that Chapter 19 doesn't use the word "reassembled," correct? A. That's also correct. It doesn't use that exact word but instead uses the word "transaction," which a person of ordinary skill in the art would understand requires reassembly. Q. Specific to the squid format example on the last two lines of Page 19-1, what	2 3 4 5 6 7 8 9	 multiple log examples, so tell me specifically where you're talking. A. The one on the bottom that you referred to, there there's there's two dashes in the very bottom line. Q. Yes. A. There's one right before the word "direct," then there's another one at the end.
2 3 4 5 6 7 8 9 10	 Q. You would admit that Chapter 19 doesn't use the word "reassembled," correct? A. That's also correct. It doesn't use that exact word but instead uses the word "transaction," which a person of ordinary skill in the art would understand requires reassembly. Q. Specific to the squid format example on the last two lines of Page 19-1, what is it about that example, the formatting there, 	2 3 4 5 6 7 8 9 10	 multiple log examples, so tell me specifically where you're talking. A. The one on the bottom that you referred to, there there's there's two dashes in the very bottom line. Q. Yes. A. There's one right before the word "direct," then there's another one at the end. I'm referring to the one that's right before the
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. You would admit that Chapter 19 doesn't use the word "reassembled," correct? A. That's also correct. It doesn't use that exact word but instead uses the word "transaction," which a person of ordinary skill in the art would understand requires reassembly. Q. Specific to the squid format example on the last two lines of Page 19-1, what is it about that example, the formatting there, if anything, that would tell you that the packet was reassembled before this log format example was created? A. It it's it's explained more on the next page, actually. So it's in the one on Page 19-1, there there's a dash. I know that's just a small little character, but there's a dash in that reference on 19-1, but then what's explained on the next page belongs to something called a "My login name," which is something that generally would not be in the the packet. So that's something that's actually now being reassembled from other information 	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 multiple log examples, so tell me specifically where you're talking. A. The one on the bottom that you referred to, there there's there's two dashes in the very bottom line. Q. Yes. A. There's one right before the word "direct," then there's another one at the end. I'm referring to the one that's right before the word "direct." Q. Okay. And what is it where do you see a portion of Chapter 19 that's talking about that dash? A. That's on the next page, Page 19-2. Q. Okay. Where is it? A. At the top where it talks about extended squid log format, and it talks about how that that field always contains a dash if no user information is available, and then it says the extended format has the username there. So it's doing you know, it's not just

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1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	transaction level, not at the packet level.	2	Q. The entry in this extended log
3	Q. Is there anything else about this	3	extended squid log format that you point to on
4	that indicates to you that there's reassembly,	4	Page 19-2, does it list how many bytes are in
5	beyond this My login name, that you see?	5	the entry?
6	A. That's the one that's coming	6	A. I don't see it here.
7	immediately to mind. There may be others, but	7	Q. Okay. In the Apache-style
8	I'm just not recalling as I sit here today.	8	transaction logging, there's an example at the
9	Q. Is it possible that the My login	9	bottom of that section on Page 19-2 for an
10	name information would be included within a	10	Apache-style log. Does that have the number of
11	packet before assembly reassembly?	11	bytes?
12	A. That's not usually something that	12	A. I'm not seeing it here. But then
13	would at least as I sit here today, I'm not	13	it also has stuff that wouldn't necessarily be
14	recalling that being something that's usually in	14	in the packet either, like the date and time.
15	an HTTP GET message. Maybe I'm just not	15	That's usually something that I again, just
16	recalling. If you have another document you	16	sitting here today, I'm not recalling that
17	want to point me to, I'd be happy to look at it.	17	that's something in well, actually, the 632
18	Q. No, I'm just asking you, is it	18	might be a size. I'm not sure.
19	possible it would be in an HTTP GET message?	19	Q. I was going to ask, isn't the 632
20	A. Again, as I sit here today, I'm	20	the byte size?
21	not recalling if that kind of information is	21	A. Yeah, that might be the byte size.
22	there. That's why I point to that as being	22	Excuse me. But then that date and time, I'm
23	further evidence that this is not being done on	23	pretty sure that's not in the packet. So this
24	a packet-by-packet basis. Instead, it's on a	24	is, again, reassembling stuff from the packet,
25	transaction basis.	25	adding in other stuff, looking at it now as a
	Page 56		Page 57
1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	transaction, not a packet.	2	Q. So it's possible that this message
3	Q. Is that information that could be	3	was this HTTP message was handled in one
4	related to the packet even if it's not in the	4	packet, correct?
5	packet itself?	5	A. Yes, that is correct. It's still
6	A. I'm not understanding your	6	not on a packet-by-packet basis.
7	question. Sorry.	7	Q. But the entry for Apache-style
8	Q. Yeah, I mean, would this be	8	transaction logging does not indicate
9	information about the packet such as when the	9	anywhere that it does not use the word
1.0		1 1 0	

packet message -- when the message that's 10 "reassembly," right? 11 embedded in the packet was issued, even though A. Yeah, we've already established it's not information that's in the packet 12 that. It instead uses the word "transaction," 13 itself? which a person of ordinary skill in the art 14 would understand implies reassembly. A. That's presupposing that this came 15 as one packet, which again, that's not my Q. Does Chapter 19 anywhere equate 16 opinion. I believe it could -- even though if the term "transaction" to reassembly? 17 it's just a small number of bytes, it could A. It wouldn't be necessary to a still have been coming as multiple packets, and 18 person of ordinary skill in the art, because 19 they understand the way that networking is done, here it's now been reassembled into one 20 transaction. That's what Chapter 19 is about. how network layers work. I review that in my 21 Transactions, not packets. declaration. They would understand that 22 Q. The 632 bytes is less than the transactions are something that occur -- that 23 standard packet size limit for a Layer-3 packet, concept occurs only after packet reassembly. 24 correct? Q. Do you cite anything in your 25 A. Yes, that is correct. declaration that shows that transactions only

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1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	occur after reassembly as understood by a person	2	Q. Yeah. In the ACNS guide, it
3	of ordinary skill in the art?	3	teaches that one of the things that you can log
4	A. This is something that is based on	4	would be authentication errors; is that right?
5	my experience of over 30 years in computer	5	A. Yeah, but you had you had used
6	science. That understanding comes from that	6	the claim term, I think, in the previous
7	experience.	7	question, so that was what confused me. But
8	Q. So the answer is no, you don't	8	yeah, overall, just in the general concept of
9	cite any information that equates transactions	9	logging, authentication errors can also be
10	to reassembly, correct?	10	logged in ACNS.
11	A. No, that's incorrect. I cite to	11	Q. And you would agree that the code
12	my experience.	12	for authentication errors is an HTTP
13	Q. Beyond your experience, you don't	13	application-layer packet-headed packet-header
14	cite to any documents that equate transactions	14	information, correct?
15	to reassembly, do you?	15	A. Can you could you point me to a
16	A. No, that wasn't necessary because,	16	place that talks about that?
17	again, a person of ordinary skill in the art	17	Q. No, I'm asking you.
18	would understand that, based on my experience of	18	A. Because I don't recall having said
19	over 30 years in the field.	19	that as I sit here today.
20	Q. In the packet digest logging, one	20	Q. No, that's why I'm asking you. As
21	of the things that the system can log would be	21	a person of ordinary skill in the art, is the
22	authentication errors in the ACNS guide,	22	code that would indicate an authentication error
23 24	correct?	23 24	an HTTP application-layer packet-header piece of
24	A. I'm sorry. I'm not understanding your question. Could you state that again?	24	information?
25	your question. Could you state that again?	25	A. Are you now asking in the context
	Page 60		Page 61
1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	of ACNS?	2	head about that question.
3	Q. No. I'm asking you as a person of	3	Q. If we look to Pages 823 and 824 of
4	ordinary skill in the art. Do you know if the	4	ACNS.
5	code for an authentication error would be	5	A. I'm there.
6	included in the application-layer packet-header	6	Q. This is disclosed discussing
7	information for an HTTP packet?	7	modification of HTTP request methods for the
8			*
	A. It it that is a really wide	8	content engine, correct?
9	open question. It depends on the context. So	9	content engine, correct? A. Yeah, it's talking about the set
10	open question. It depends on the context. So if you're talking about ACNS, I'm happy to look	9 10	content engine, correct? A. Yeah, it's talking about the set of HTTP GET I mean, HTTP request messages
10 11	open question. It depends on the context. So if you're talking about ACNS, I'm happy to look at any passage you'd like to point me to. In	9 10 11	content engine, correct? A. Yeah, it's talking about the set of HTTP GET I mean, HTTP request messages that content engines support. It talks about
10 11 12	open question. It depends on the context. So if you're talking about ACNS, I'm happy to look at any passage you'd like to point me to. In general though, it really depends on the system,	9 10 11 12	content engine, correct? A. Yeah, it's talking about the set of HTTP GET I mean, HTTP request messages that content engines support. It talks about how the GET, HEAD, and POST methods are
10 11 12 13	open question. It depends on the context. So if you're talking about ACNS, I'm happy to look at any passage you'd like to point me to. In general though, it really depends on the system, how it's doing the authentication. That	9 10 11 12 13	content engine, correct? A. Yeah, it's talking about the set of HTTP GET I mean, HTTP request messages that content engines support. It talks about how the GET, HEAD, and POST methods are supported by default. Other nonstandard request
10 11 12 13 14	open question. It depends on the context. So if you're talking about ACNS, I'm happy to look at any passage you'd like to point me to. In general though, it really depends on the system, how it's doing the authentication. That that's a real wide open question.	9 10 11 12 13 14	content engine, correct? A. Yeah, it's talking about the set of HTTP GET I mean, HTTP request messages that content engines support. It talks about how the GET, HEAD, and POST methods are supported by default. Other nonstandard request methods are not supported by default. And then
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10 11 12 13 14 15	open question. It depends on the context. So if you're talking about ACNS, I'm happy to look at any passage you'd like to point me to. In general though, it really depends on the system, how it's doing the authentication. That that's a real wide open question. Q. Could a system be set up such that the code for the authentication error would be HTTP application-layer packet-header	9 10 11 12 13 14 15 16	content engine, correct? A. Yeah, it's talking about the set of HTTP GET I mean, HTTP request messages that content engines support. It talks about how the GET, HEAD, and POST methods are supported by default. Other nonstandard request methods are not supported by default. And then it deals with ways you can add or remove using commands of the ACNS, those various types of methods.
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10 11 12 13 14 15 16 17 18 19 20 21	 open question. It depends on the context. So if you're talking about ACNS, I'm happy to look at any passage you'd like to point me to. In general though, it really depends on the system, how it's doing the authentication. That that's a real wide open question. Q. Could a system be set up such that the code for the authentication error would be HTTP application-layer packet-header information? A. Yeah, again, I don't want to just sit here and speculate about that without looking at some specific systems. And if you have something in ACNS, I'd be happy to 	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 content engine, correct? A. Yeah, it's talking about the set of HTTP GET I mean, HTTP request messages that content engines support. It talks about how the GET, HEAD, and POST methods are supported by default. Other nonstandard request methods are not supported by default. And then it deals with ways you can add or remove using commands of the ACNS, those various types of methods. Q. And each time that the request methods are added by an administrator, that would be done through the content distribution module; is that right? A. It would be done either on the content distribution module using this GUI
10 11 12 13 14 15 16 17 18 19 20 21 22	 open question. It depends on the context. So if you're talking about ACNS, I'm happy to look at any passage you'd like to point me to. In general though, it really depends on the system, how it's doing the authentication. That that's a real wide open question. Q. Could a system be set up such that the code for the authentication error would be HTTP application-layer packet-header information? A. Yeah, again, I don't want to just sit here and speculate about that without looking at some specific systems. And if you have something in ACNS, I'd be happy to look at 	9 10 11 12 13 14 15 16 17 18 19 20 21 22	 content engine, correct? A. Yeah, it's talking about the set of HTTP GET I mean, HTTP request messages that content engines support. It talks about how the GET, HEAD, and POST methods are supported by default. Other nonstandard request methods are not supported by default. And then it deals with ways you can add or remove using commands of the ACNS, those various types of methods. Q. And each time that the request methods are added by an administrator, that would be done through the content distribution module; is that right? A. It would be done either on the

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1	MICHAEL GOODRICH	1	MICHAEL GOODRICH
2	go directly to the content engine.	2	content distribution manager to go the other
3	Q. And how would the default settings	3	way.
4	of GET, HEAD, and POST as accepted request	4	MR. BLAKE: I think that's all the
5	methods have been configured on the content	5	questions that I have.
6	engine?	6	MR. PRICE: I have no redirect.
7	A. Just the way it says here,	7	MR. BLAKE: All right. That's it.
8	that that that those are methods that are	8	THE COURT REPORTER: Before we
9	built in and supported by default.	9	conclude, did both parties want a
10	Q. How would they be built in? Would	10	rough draft and a three-day rush?
11	the content distribution module program them as	11	MR. BLAKE: I do, yes.
12	the default?	12	THE COURT REPORTER: Okay.
13	A. That's not what this is saying.	13	Mr. Price, would you like a rough
14	This is saying that, basically, as soon as you	14	draft?
15	power them up and tell them that they're a	15	MR. PRICE: No, that's not
16	content engine, those are supported. There's a	16	necessary. Yes, just send it whenever
17	built-in rule, if you will, that says that those	17	it's ready.
18	methods are supported.	18	THE COURT REPORTER: Sure. Thank
19	Q. But the CDM has to tell the device	19	you.
20	that it is a content engine, correct?	20	MR. BLAKE: Thank you,
21	A. No. That's also not correct, at	21	Dr. Goodrich.
22	least, to my understanding of how an ACNS works.	22	THE WITNESS: Thank you.
23	Basically, as soon as you turn on the device it	23	(Whereupon, the deposition
24	thinks it's a content engine right at the	24	concluded at 2:06 p.m.)
25	beginning. You have to tell it if it's a	25	* * * * * * *
	Page 64		Page 65
1	MICHAEL GOODRICH	1	ERRATA SHEET
2	REPORTER'S CERTIFICATE	2	Case Name:
3	STATE OF ALABAMA	3	Deposition Date:
4	MONTGOMERY COUNTY	4	Deponent:
5	I, Patrick Miller, Alabama Certified Court	5	Pg. No. Now Reads Should Read Reason
6	Reporter No. 631 and Commissioner for the State of	6	
7 8	Alabama at Large, hereby certify that on Thursday, August 29th, 2019, I reported the deposition of	7	
9	DR. MICHAEL GOODRICH, who was first duly sworn or	9	
10	affirmed to speak the truth in the matter of the	10	
11	foregoing cause, and that the pages herein contain	11	
12	a true and accurate transcription of the	12	
13	examination of said witness by counsel for the	13	
14	parties set out herein.	14	
15 16	I further certify that I am neither of kin nor of counsel to any of the parties to said cause,	15 16	
17	nor in any manner interested in the results	17	
18	thereof.	18	
19	This 4th day of September, 2019.	19	
20		20	
21			
2.2	PATRICK MILLER, ACCR-631	21	
22	Commissioner for the State	22	Signature of Deponent
23	of Alabama at Large CCR EXPIRATION: 9/30/19		SUBSCRIBED AND SWORN BEFORE ME
	MY COMMISSION EXPIRES: 2/08/23	23	THIS DAY OF, 2019.
24		24	
25		25	(Notary Public) MY COMMISSION EXPIRES:

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> **Cisco Ex 1026** Goodwin Deposition August 29, 2019 Cisco v. Centripetal IPR2018-01512

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