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20			
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22			
23	PALO ALTO NETWORKS, INC.,	Case No. 3:19-cv-02471-WHO	
24	Plaintiff,		
25	v.	DEFENDANT AND COUNTERCLAIMANT PACKET INTELLIGENCE LLC'S ANSWER	
26	PACKET INTELLIGENCE LLC,	AND COUNTERCLAIMS	
27 28	Defendant.		
	2697.000/1414720.1	I Case No. 3:19-cv-02471-WHC	
		CE LLC'S ANSWER AND COUNTERCLAIMS	

Juniper Exhibit 1095 Juniper Networks, Inc. v. Packet Intelligence LLC Page 00001

PACKET INTELLIGENCE LLC, 1 2 Counterclaimant 3 v. 4 PALO ALTO NETWORKS, INC. 5 Counter-Defendant. 6 PACKET INTELLIGENCE LLC ("Packet Intelligence" and "Counterclaimant" herein) 7 makes the following answer to Plaintiff PALO ALTO NETWORKS, INC.'s ("Palo Alto 8 Networks" and "Plaintiff" herein) Original Complaint for Declaratory Judgment of Non-9 Infringement. Packet Intelligence demands a jury trial on all issues triable as of right. 10 NATURE OF THE ACTION 11 1. Packet Intelligence admits that Palo Alto Networks has filed a declaratory judgment 12 action of non-infringement but denies the remaining allegations in Paragraph 1. 13 **PARTIES** 14 2. Packet Intelligence admits the allegations in Paragraph 2, upon information and 15 belief. 16 3. Packet Intelligence admits the allegations in Paragraph 3. 17 **JURISDICTION AND VENUE** 18 19 4. Packet Intelligence admits the allegations in Paragraph 4. 20 5. Packet Intelligence admits that it sent a notice letter to Palo Alto Networks on January 18, 2019 alleging infringement of the Patents-in-Suit. Counterclaimant denies the 21 remaining allegations Paragraph 5. 22 6. Packet Intelligence admits that it has sent notice letters to other companies with 23 locations in this District but denies the remaining allegations of Paragraph 6. 24 7. Packet Intelligence admits that it acquired the Patents-in-Suit from Exar 25 Corporation of Fremont, California but denies the remaining allegations of Paragraph 7. 26 27 28 2697.000/1414720.1 Case No. 3:19-cv-02471-WHO

DEFENDANT PACKET INTELLIGENCE LLC'S ANSWER AND COUNTERCLAIMS

- 8. Packet Intelligence admits that it entered into a settlement agreement related to the Patents-in-Suit with Cisco Systems, Inc. for which Packet Intelligence received monetary consideration but denies remaining allegations of Paragraph 8.
- 9. Packet Intelligence admits that it has an agreement with Russell Dietz of San Jose, California and that it has directed communications to Mr. Dietz regarding the Patents-in-Suit. Packet Intelligence also admits that it has directed communications to Joseph Maixner regarding the Patents-in-Suit. Packet Intelligence denies the remaining allegations of Paragraph 9.
 - 10. Packet Intelligence denies the allegations in Paragraph 10.

INTRADISTRICT ASSIGNMENT

11. Packet Intelligence admits the allegations in Paragraph 11.

FACTUAL ALLEGATIONS

THE PATENTS-IN-SUIT

- 12. Packet Intelligence admits the allegations in Paragraph 12.
- 13. Packet Intelligence admits the allegations in Paragraph 13.
- 14. Packet Intelligence admits the allegations in Paragraph 14.
- 15. Packet Intelligence admits the allegations in Paragraph 15.
- 16. Packet Intelligence admits the allegations in Paragraph 16.

DISPUTE BETWEEN PALO ALTO NETWORKS AND

PACKET INTELLIGENCE CONCERNING THE PATENTS-IN-SUIT

- 17. Packet Intelligence admits the allegations in Paragraph 17.
- 18. Packet Intelligence admits that Plaintiff's counsel responded to Packet Intelligence's letter. Except as so admitted, the allegations in Paragraph 18 are denied.
- 19. Packet Intelligence admits that an actual and justiciable controversy exists between the parties and that Plaintiff purports to bring a declaratory judgment action of non-infringement against Packet Intelligence. However, Packet Intelligence denies that such declaratory judgment has any factual or legal basis and denies that Plaintiff is entitled to any relief.

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FIRST CLAIM FOR RELIEF

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20.

DECLARATORY JUDGMENT OF NON-INFRINGEMENT OF THE '099 PATENT

Packet Intelligence admits that Plaintiff purports to bring a declaratory judgment

4 5 action of non-infringement against Packet Intelligence. However, Packet Intelligence denies that such declaratory judgment has any factual or legal basis and denies that Plaintiff is entitled to any

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relief.

- 21. Packet Intelligence denies the allegations in Paragraph 21.
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- 22. Packet Intelligence denies the allegations in Paragraph 22.

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SECOND CLAIM FOR RELIEF

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DECLARATORY JUDGMENT OF NON-INFRINGEMENT OF THE '725 PATENT

11 12 23. Packet Intelligence admits that Plaintiff purports to bring a declaratory judgment action of non-infringement against Packet Intelligence. However, Packet Intelligence denies that such declaratory judgment has any factual or legal basis and denies that Plaintiff is entitled to any

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relief.

24. Packet Intelligence denies the allegations in Paragraph 24.

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25. Packet Intelligence denies the allegations in Paragraph 25.

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THIRD CLAIM FOR RELIEF

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DECLARATORY JUDGMENT OF NON-INFRINGEMENT OF THE '751 PATENT

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26. Packet Intelligence admits that Plaintiff purports to bring a declaratory judgment action of non-infringement against Packet Intelligence. However, Packet Intelligence denies that such declaratory judgment has any factual or legal basis and denies that Plaintiff is entitled to any relief.

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27. Packet Intelligence denies the allegations in Paragraph 27.

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28. Packet Intelligence denies the allegations in Paragraph 28.

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FOURTH CLAIM FOR RELIEF

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DECLARATORY JUDGMENT OF NON-INFRINGEMENT OF THE '789 PATENT

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29. Packet Intelligence admits that Plaintiff purports to bring a declaratory judgment action of non-infringement against Packet Intelligence. However, Packet Intelligence denies that

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DEFENDANT PACKET INTELLIGENCE LLC'S ANSWER AND COUNTERCLAIMS

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1	such declaratory judgment has any factual or legal basis and denies that Plaintiff is entitled to any		
2	relief.		
3	30. Packet Intelligence denies the allegations in Paragraph 30.		
4	31. Packet Intelligence denies the allegations in Paragraph 31.		
5	<u>FIFTH CLAIM FOR RELIEF</u>		
6	DECLARATORY JUDGMENT OF NON-INFRINGEMENT OF THE '646 PATENT		
7	32. Packet Intelligence admits that Plaintiff purports to bring a declaratory judgment		
8	action of non-infringement against Packet Intelligence. However, Packet Intelligence denies that		
9	such declaratory judgment has any factual or legal basis and denies that Plaintiff is entitled to any		
10	relief.		
11	33. Packet Intelligence denies the allegations in Paragraph 33.		
12	34. Packet Intelligence denies the allegations in Paragraph 34.		
13	PRAYER FOR RELIEF		
14	Packet Intelligence denies all allegations of Paragraphs A through D of Plaintiff's Prayer for		
15	Relief and further denies that any relief should be granted to Plaintiff.		
16	AFFIRMATIVE DEFENSE OF INFRINGEMENT		
17	Packet Intelligence contends that Palo Alto Networks infringes claims of each of the		
18	Patents-in-Suit directly, as well as by inducing infringement and by contributing to infringement.		
19	Packet Intelligence reserves the right to amend its Answer to assert additional affirmative defenses		
20	as the case progresses.		
21	<u>COUNTERCLAIMS</u>		
22	Plaintiff Packet Intelligence LLC, by and through its undersigned attorneys hereby		
23	demands a jury trial and alleges the following in support of its Counterclaims for patent		
24	infringement against Palo Alto Networks:		
25	I. <u>THE PARTIES</u>		
26	1. Packet Intelligence LLC is a limited liability company existing under the laws of		
27	Texas since June 2012. Plaintiff maintains its principal place of business at 505 East Travis Street		
27	1 1 1		

DEFENDANT PACKET INTELLIGENCE LLC'S ANSWER AND COUNTERCLAIMS

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2. Upon information and belief, Palo Alto Networks is a Delaware Corporation, with a principal place of business at 3000 Tannery Way, Santa Clara, California 95054.

II. JURISDICTION AND VENUE

 3. This is an action for infringement of several United States patents. Federal question jurisdiction is conferred to this Court over such action under 28 U.S.C. §§ 1331 and 1338(a).

4. Palo Alto Networks maintains a regular and established place of business within the Northern District of California at 3000 Tannery Way, Santa Clara, California 95054. Palo Alto Networks develops and/or sells the Accused Products, identified below, from this location.

5. For these reasons, personal jurisdiction exists and Packet Intelligence contends that venue is proper in this Court under 28 U.S.C. §§ 1391(b) and (c).

III. THE PATENTS-IN-SUIT

6. The patents-in-suit are early pioneer patents in the field of network traffic processing and monitoring. Each of the asserted patents claim priority to provisional U.S. Patent Application No. 60/141,903 entitled "Method and Apparatus for Monitoring Traffic in a

Mr. Russell S. Dietz, the first listed inventor on four of the five patents-in-suit, is a

Network," filed in the United States Patent and Trademark Office on June 30, 1999.

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recognized thought leader who publishes and lectures regularly on network data management, cloud computing and virtualization security solutions. Mr. Dietz has more than 30 years of experience in the technology and security space and has a proven record of success as Chief Technology Officer of multiple hardware, software and systems security companies, and is a recognized pioneer and innovator in cloud computing and virtualization security solutions. He has more than 20 years of leadership and expertise anticipating trends, and evaluating new technologies in data communications, data management and Enterprise security. Mr. Dietz is an active member of the Internet and Engineering Task Force (IETF), Optical Internetworking Forum (OIF) and the Cloud Computing Interoperability Forum (CCIF).

8. On November 18, 2003, the United States Patent and Trademark Office (USPTO) duly and legally issued U.S. Patent No. 6,651,099 ("the '099 Patent") entitled "Method and

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Apparatus for Monitoring Traffic in a Network." Packet Intelligence owns all substantial rights to the '099 Patent, including the right to sue and recover damages for all infringement thereof.

Documents assigning the '099 Patent to Packet Intelligence were recorded at the USPTO on February 1, 2013 at Reel/Frame 29737-613. Attached hereto as Exhibit A is a true and correct copy of the '099 Patent.

- 9. The '099 patent has been cited as pertinent prior art by either an applicant, or a USPTO examiner, during the prosecution of more than 275 issued patents and published patent applications.
- 10. On December 16, 2003, the USPTO duly and legally issued U.S. Patent No. 6,665,725 ("the '725 Patent") entitled "Processing Protocol Specific Information in Packets Specified by a Protocol Description Language." Packet Intelligence owns all substantial rights to the '725 Patent, including the right to sue and recover damages for all infringement thereof. Documents assigning the '725 Patent to Packet Intelligence were recorded at the USPTO on February 1, 2013 at Reel/Frame 29737-613. A true and correct copy of the '725 Patent is attached hereto as Exhibit B.
- 11. The '725 patent has been cited as pertinent prior art by either an applicant, or a USPTO examiner, during the prosecution of more than 260 issued patents and published patent applications.
- 12. On August 3, 2004, the USPTO duly and legally issued U.S. Patent No. 6,771,646 ("the '646 Patent") entitled "Associative Cache Structure for Lookups and Updates of Flow Records in a Network Monitor." Packet Intelligence owns all substantial rights to the '646 Patent, including the right to sue and recover damages for all infringement thereof. Documents assigning the '646 Patent to Packet Intelligence were recorded at the USPTO on February 1, 2013 at Reel/Frame 29737-613. A true and correct copy of the '646 Patent is attached hereto as Exhibit C.
- 13. The '646 patent has been cited as pertinent prior art by either an applicant, or a USPTO examiner, during the prosecution of more than 170 issued patents and published patent applications.

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DEFENDANT PACKET INTELLIGENCE LLC'S ANSWER AND COUNTERCLAIMS

14. On January 4, 2005, the USPTO duly and legally issued U.S. Patent No. 6,839,751 ("the '751 Patent") entitled "Re-Using Information from Data Transactions for Maintaining Statistics in Network Monitoring." Packet Intelligence owns all substantial rights to the '751 Patent, including the right to sue and recover damages for all infringement thereof. Documents assigning the '751 Patent to Packet Intelligence were recorded at the USPTO on February 1, 2013 at Reel/Frame 29737-613. A true and correct copy of the '751 Patent is attached hereto as Exhibit D.

- 15. The '751 patent has been cited as pertinent prior art by either an applicant, or a USPTO examiner, during the prosecution of more than 100 issued patents and published patent applications.
- 16. On October 11, 2005, the USPTO duly and legally issued U.S. Patent No. 6,954,789 ("the '789 Patent") entitled "Method and Apparatus for Monitoring Traffic in a Network." Packet Intelligence owns all substantial rights to the '789 Patent, including the right to sue and recover damages for all infringement thereof. Documents assigning the '789 Patent to Packet Intelligence were recorded at the USPTO on February 1, 2013 at Reel/Frame 29737-613. A true and correct copy of the '789 Patent is attached hereto as Exhibit E.
- 17. The '789 patent has been cited as pertinent prior art by either an applicant, or a USPTO examiner, during the prosecution of more than 90 issued patents and published patent applications.
- 18. Some or all of the '099, '725, '646, '751, and '789 Patents (referred to collectively as the "Asserted Patents" or the "Patents-in-Suit") have been asserted in several patent infringement litigations in the Eastern District of Texas. During the course of these District court litigations, claims of the Asserted Patents have withstood multiple validity challenges. The outcomes of those cases are indicative of the strength of the Asserted Patents. The following cases have been litigated in the Eastern District of Texas:
 - Packet Intelligence LLC v. Huawei Devices USA Inc., Civil Action No. 2:13-cv-00206-JRG (dismissed by stipulation of parties pursuant to settlement agreement);

- Packet Intelligence LLC v. Cisco Systems, Inc., Civil Action No. 2:14-cv-00252-JRG (dismissed by agreed motion and order following settlement);
- Packet Intelligence LLC v. Cisco Systems, Inc., Civil Action No. 2:14-cv-01122-JRG
 (consolidated with Civil Action No. 2:14-cv-00252-JRG);
- Packet Intelligence LLC v. NetScout Systems, Inc. et al, Civil Action No. 2:16-cv-00230-JRG (resulting in a jury verdict finding infringement of the asserted claims of the '725, '751, and '789 Patents and upholding validity of the same (Dkt. No. 237 at 3-4); applying the constructions entered in the Court's Claim Construction Order (Dkt. No. 66) and denying defendant's Rule 52 motion challenging the validity of claims of the '725, '751, and '789 Patents under 35 U.S.C. 101 (Dkt. No. 298)). The Court entered a Final Judgment on September 7, 2018, and the case is currently on appeal to the Court of Appeals for the Federal Circuit;
- Packet Intelligence LLC v. Sandvine Corporation and Sandvine Incorporated ULC,
 Civil Action No. 2:16-cv-00147-JRG (resulting in a jury verdict of non-infringement of the asserted claims of the '725, '751, and '789 Patents; validity did not make it to the jury following denial of institution of Sandvine's Petitions for inter partes review of the Asserted Patents and the Court's grant of Motion in Limine No. 4 (Dkt. No. 22));
- Two other actions involving the Asserted Patents are currently pending in the Eastern District of Texas as *Packet Intelligence LLC v. Nokia of America Corporation*, Civil Action No. 2:18-cv-00382-JRG and *Packet Intelligence LLC v. Ericsson Inc.*, Civil Action No. 2:18-cv-00381-JRG.
- 19. The validity of the asserted claims has been repeatedly upheld by the Patent Trial and Appeal Board ("the Board") through its denial of institution of six Petitions for *inter partes* review filed by defendants in the prior litigations. Institution was denied in each of these IPRs because the Board found that the respective Petitions did not establish a reasonable likelihood of success in invalidating the challenged claims, comprising several of which are now asserted in the present litigation. Requests for rehearing were similarly rejected by the Board.

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20. Palo Alto Networks has been aware of the status of these litigations and IPRs and of the existence and subject matter of the Asserted Patents since at least January 18, 2019, at which time Packet Intelligence sent a notice letter alleging Palo Alto Networks infringes the Asserted Patents.

IV. **BACKGROUND AND FACTS**

- 21. The Asserted Patents are generally directed to systems and methods for classifying and monitoring network traffic as well as the use of state operations and state-of-the-flow analysis to accommodate classification and monitoring of network traffic. These innovative concepts enable classification of data packets passing through a network to provide detailed insight and information to network managers and operators. More specifically, the Asserted Patents disclose and claim improved techniques for monitoring network traffic through, among other things, categorizing network traffic into "conversational flows" – relating sequences of data packets exchanged in any direction over a network comprising multiple connections among network devices, which may be client or server devices, based on specific application activity. This was an improvement over conventional systems and methods for classifying and monitoring network traffic based only on "connection flows" - data packets transmitted over a single network connection.
- 22. Traffic classification involves detecting the underlying protocols used within a data packet, as well as the applications or user activity responsible for generating network traffic. It also involves identifying the underlying protocols/applications of a flow along with recording traffic statistics. Such classification and monitoring provide network administrators with detailed information about their networks, which can be used to diagnose network problems, control bandwidth allocation, and ensure an appropriate quality of service for users.
- 23. Conventional network monitors categorized network transmissions into "connection flows." A connection flow refers to the packets involved in a single connection and relate to a negotiated transmission between specific addresses on two devices. A connection flow correlates to the source and destination IP address/port pairs used on both ends of the connection

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without inspecting the packet's payload deeper than the headers of the transport layer¹ containing port information. The problem with only tracking connection flows is that certain applications and protocols may generate multiple connections. In other words, a single application may spawn multiple connections for a single activity. For example, if user A wants to have a Skype call with user B, the Skype application may create multiple connections between computer A and B to conduct the call. There might be one connection which supplies setup information, a second connection for transmitting video information, and a third connection for transmitting audio information. Conventional network monitors would consider these three separate connections even though they originated from a single Skype call.

- 24. The Asserted Patents improved upon these conventional network monitoring systems and methods by categorizing network transmissions into "conversational flows" rather than merely in "connection flows." Unlike connection flow, conversational flow is the sequence of packets that are exchanged in any direction as a result of a particular activity—for instance, the running of an application on a server as requested by a client—which may include multiple connections, transmissions, or exchanges in either direction between the participants in the conversation. This addressed the problem of disjointed flows in network communications through "virtually concatenating," or linking, all related conversational exchanges.
- 25. "Conversational flows" are identified through parsing and analyzing data packets at deeper layers to extract information used to classify each data packet, determining whether it belongs to an existing conversational flow or is part of a new conversational flow. This is accomplished, in part, by populating a parsing/extraction operations memory and a state patterns/operations and database with machine operations that implement programmable rules and instructions for inspecting packets to identify patterns forming conversational flows.
- 26. Network traffic is inspected for pattern recognition to determine protocol types and headers for each protocol layer. Extracted packet information is compared to stored data

https://en.wikipedia.org/wiki/OSI_model (visited July 27, 2018). Several different protocol options may be available at each layer to accomplish specific tasks needed by the layer above it.

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¹ The functionality underlying network communications is often viewed in terms of conceptual layers, such as those defined in the 7 Layer OSI Model. *See* OSI Model,

corresponding to prior network transmissions to determine whether a current transmission belongs to a known flow comprising previously inspected transmissions. Extracted data may also be used to determine the different states, state transitions, and/or state operations to be performed corresponding to a conversational flow to aid in predicting and/or identifying subsequent transmissions within a conversational flow and/or to determine the termination of a conversational flow. One of the many advantages of the invention is properly analyzing the packets exchanged between a client and a server and maintaining information relevant to the current state of each of these conversational flows.

27. Classifying transmissions in the context of conversational flows provides several benefits over conventional network monitoring systems and methods, including accommodation of: more flexible and effective stateful firewall operations to permit network operators greater flexibility in configuring network security policies; more robust understanding of the quality of service ("QoS") and bandwidth usage of a multiple connection flow application whereby certain network traffic could be excluded from data usage limits, bandwidth throttling may be applied to specific applications or services, and access to certain web browser applications may be restricted at specified times; and, eavesdropping or lawful interception, by cloning all of the traffic of a conversational flow, which allows another user on the network, or elsewhere, to read the content exchanged over the network without the knowledge of the original recipient.

V. THE ACCUSED PRODUCTS

- 28. The "Accused Products" include Palo Alto Networks products, such as firewall products that include the App-ID feature other similar functionality. These products include, but are not limited to: PA-Series Firewall products (PA-200, PA-220, PA-220R, PA-7000, PA-7050, PA-7080; VM-Series Firewall products (VM-50, VM-100, VM-300, VM-500, VM-700) and K2-Series Firewall Products.
- 29. The App-ID feature of the Accused Products allows inspection of packets at layers 3-7 of the OSI model to allow identification of a protocol associated with the packet and to determine the particular application associated with the packet. Palo Alto Networks' documentation describes this capability as shown below:

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App-ID™ uses as many as four identification techniques to determine the exact identity of applications traversing the network—irrespective of port, protocol, evasive tactic, or SSL encryption. Identifying the application is the very first task performed by App-ID, providing administrators with the greatest amount of application knowledge and the most flexibility in terms of safe application.

See "App-ID Technology Brief", at p. 1, which can be found at the URL: https://media.paloaltonetworks.com/documents/techbrief-app-id.pdf.

30. A flow chart of the process by which the Accused Products identify the application to which a is shown below in Palo Alto Networks' documentation shown below:

App-ID

Se

Start

Check Application Signatures

Check Apply Heuristics

Apply Heuristics

REPORT & ENFORCE POLICY

See "App-ID Technology Brief", at p. 1.

31. The flow chart shows several decision points during the processing of a packet in the App-ID feature. The Accused Products can be used to implement Quality of Service ("QOS") policies that are applied to packets based on the application that is identified. A network operator using the Accused Products can set QOS policies that can limit the bandwidth for certain applications during peak hours or prioritize packets associated with applications requiring more bandwidth, e.g., streaming video.

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COUNT I PATENT INFRINGEMENT U.S. Patent No. 6,651,099

32. Packet Intelligence realleges paragraphs 1 through 31 as though fully set forth herein.

33. Palo Alto Networks has infringed directly and continues to infringe directly, either literally or under the doctrine of equivalents, at least claim 1 of the '099 Patent by its manufacture, sale, offer for sale, and use of any one or more of the Accused Products. Palo Alto Networks is therefore liable for infringement of the '099 Patent pursuant to 35 U.S.C. § 271.

34. As of the time Palo Alto Networks first had notice of Counterclaimant's allegations of infringement of one or more claims of the '099 Patent by Palo Alto Networks, which is no later than the date of the notice letter sent by Packet Intelligence on January 18, 2019, Palo Alto Networks indirectly infringed and continues to indirectly infringe at least claim 1 of the '099 Patent by active inducement under 35 U.S.C. § 271(b). Palo Alto Networks has induced, caused, urged, encouraged, aided and abetted its direct and indirect customers to make, use, sell, offer for sale and/or import one or more of the Accused Products, and thus indirectly infringes at least claim 1 of the '099 Patent. Palo Alto Networks has done so by acts including but not limited to (1) selling such products including features that—when used or resold—infringe, either literally or under the doctrine of equivalents, the '099 Patent; (2) marketing the infringing capabilities of such products; and (3) providing instructions, technical support, and other support and encouragement for the use of such products, including at least the documents referenced above. Such conduct by

35. Palo Alto Networks' infringement of the '099 Patent has damaged Packet Intelligence, and Palo Alto Networks is liable to Packet Intelligence in an amount to be determined at trial that compensates Packet Intelligence for the infringement, which by law can be no less than a reasonable royalty.

Palo Alto Networks was intended to and actually did result in direct infringement by Palo Alto

Networks' direct and indirect customers, including the making, using, selling, offering for sale

and/or importation of the Accused Products in the United States.

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DEFENDANT PACKET INTELLIGENCE LLC'S ANSWER AND COUNTERCLAIMS

36. As of the time Palo Alto Networks first had notice of the '099 Patent, at least as early as January 18, 2019, Palo Alto Networks has continued with its infringement despite the objectively high likelihood that its actions constitute infringement and Palo Alto Networks' subjective knowledge of this obvious risk. As Palo Alto Networks has no good faith belief that it does not infringe the '099 Patent, at least Palo Alto Networks' continued infringement of the '099 Patent is willful and deliberate, entitling Packet Intelligence to increased damages under 35 U.S.C. § 284 and to attorneys' fees and costs incurred in prosecuting this action under 35 U.S.C. § 285.

PATENT INFRINGEMENT U.S. Patent No. 6,665,725

- 37. Packet Intelligence realleges paragraphs 1 through 36 as though fully set forth herein.
- 38. Palo Alto Networks has infringed directly and continues to infringe directly, either literally or under the doctrine of equivalents, at least claim 17 of the '725 Patent by its manufacture, sale, offer for sale, and use of any one or more of the Accused Products. Palo Alto Networks is therefore liable for infringement of the '725 Patent pursuant to 35 U.S.C. § 271.
- 39. As of the time Palo Alto Networks first had notice of Counterclaimant's allegations of infringement of one or more claims of the '725 Patent by Palo Alto Networks, at least as early as January 18, 2019, Palo Alto Networks indirectly infringed and continues to indirectly infringe at least claim 17 of the '725 Patent by active inducement under 35 U.S.C. § 271(b). Palo Alto Networks has induced, caused, urged, encouraged, aided and abetted its direct and indirect customers to make, use, sell, offer for sale and/or import one or more of the Accused Products, and thus indirectly infringes at least claim 17 of the '725 Patent. Palo Alto Networks has done so by acts including but not limited to (1) selling such products including features that—when used or resold—infringe, either literally or under the doctrine of equivalents, the '725 Patent; (2) marketing the infringing capabilities of such products; and (3) providing instructions, technical support, and other support and encouragement for the use of such products, including at least the documents referenced above. Such conduct by Palo Alto Networks was intended to and actually did result in direct infringement by Palo Alto Networks' direct and indirect customers, including

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the making, using, selling, offering for sale and/or importation of the Accused Products in the United States.

- 40. Palo Alto Networks' infringement of the '725 Patent has damaged Packet Intelligence, and Palo Alto Networks is liable to Packet Intelligence in an amount to be determined at trial that compensates Packet Intelligence for the infringement, which by law can be no less than a reasonable royalty.
- 41. As of the time Palo Alto Networks first had notice of the '725 Patent, at least as early as January 18, 2019, Palo Alto Networks has continued with its infringement despite the objectively high likelihood that its actions constitute infringement Palo Alto Networks' subjective knowledge of this obvious risk. As Palo Alto Networks has no good faith belief that it does not infringe the '725 Patent, at least Palo Alto Networks' continued infringement of the '725 Patent is willful and deliberate, entitling Packet Intelligence to increased damages under 35 U.S.C. § 284 and to attorneys' fees and costs incurred in prosecuting this action under 35 U.S.C. § 285.

COUNT III PATENT INFRINGEMENT U.S. Patent No. 6,771,646

- 42. Packet Intelligence realleges paragraphs 1 through 41 as though fully set forth herein.
- 43. Palo Alto Networks has infringed directly and continues to infringe directly, either literally or under the doctrine of equivalents, at least claim 7 of the '646 Patent by its manufacture, sale, offer for sale, and use of any one or more of the Accused Products. Palo Alto Networks is therefore liable for infringement of the '646 Patent pursuant to 35 U.S.C. § 271.
- 44. As of the time Palo Alto Networks first had notice of Counterclaimant's allegations of infringement of one or more claims of the '646 Patent by Palo Alto Networks, which is no later than the January 18, 2019, Palo Alto Networks indirectly infringed and continues to indirectly infringe at least claim 7 of the '646 Patent by active inducement under 35 U.S.C. § 271(b). Palo Alto Networks has induced, caused, urged, encouraged, aided and abetted its direct and indirect customers to make, use, sell, offer for sale and/or import one or more of the Accused Products, and thus indirectly infringes at least claim 7 of the '646 Patent. Palo Alto Networks has done so

by acts including but not limited to (1) selling such products including features that—when used or resold—infringe, either literally or under the doctrine of equivalents, the '646 Patent; (2) marketing the infringing capabilities of such products; and (3) providing instructions, technical support, and other support and encouragement for the use of such products, including at least the documents referenced above. Such conduct by Palo Alto Networks was intended to and actually did result in direct infringement by Palo Alto Networks' direct and indirect customers, including the making, using, selling, offering for sale and/or importation of the Accused Products in the United States.

- 45. Palo Alto Networks' infringement of the '646 Patent has damaged Packet Intelligence, and Palo Alto Networks is liable to Packet Intelligence in an amount to be determined at trial that compensates Packet Intelligence for the infringement, which by law can be no less than a reasonable royalty.
- 46. As of the time Palo Alto Networks first had notice of the '646 Patent, at least as early as January 18, 2019 2017, Palo Alto Networks has continued with its infringement despite the objectively high likelihood that its actions constitute infringement and Palo Alto Networks' subjective knowledge of this obvious risk. As Palo Alto Networks has no good faith belief that it does not infringe the '646 Patent, at least Palo Alto Networks' continued infringement of the '646 Patent is willful and deliberate, entitling Packet Intelligence to increased damages under 35 U.S.C. § 284 and to attorneys' fees and costs incurred in prosecuting this action under 35 U.S.C. § 285.

COUNT IV PATENT INFRINGEMENT U.S. Patent No. 6,839,751

- 47. Packet Intelligence realleges paragraphs 1 through 46 as though fully set forth herein.
- 48. Palo Alto Networks has infringed directly and continues to infringe directly, either literally or under the doctrine of equivalents, at least claim 17 of the '751 Patent by its manufacture, sale, offer for sale, and use of any one or more of the Accused Products. Palo Alto Networks is therefore liable for infringement of the '751 Patent pursuant to 35 U.S.C. § 271.

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49. As of the time Palo Alto Networks first had notice of Counterclaimant's allegations of infringement of one or more claims of the '751 Patent by Palo Alto Networks, which is no later than the January 18, 2109, Palo Alto Networks indirectly infringed and continues to indirectly infringe at least claim 17 of the '751 Patent by active inducement under 35 U.S.C. § 271(b). Palo Alto Networks has induced, caused, urged, encouraged, aided and abetted its direct and indirect customers to make, use, sell, offer for sale and/or import one or more of the Accused Products, and thus indirectly infringes at least claim 17 of the '751 Patent. Palo Alto Networks has done so by acts including but not limited to (1) selling such products including features that—when used or resold—infringe, either literally or under the doctrine of equivalents, the '751 Patent; (2) marketing the infringing capabilities of such products; and (3) providing instructions, technical support, and other support and encouragement for the use of such products, including at least the documents referenced above. Such conduct by Palo Alto Networks was intended to and actually did result in direct infringement by Palo Alto Networks' direct and indirect customers, including the making, using, selling, offering for sale and/or importation of the Accused Products in the United States.

- 50. Palo Alto Networks' infringement of the '751 Patent has damaged Packet Intelligence, and Palo Alto Networks is liable to Packet Intelligence in an amount to be determined at trial that compensates Packet Intelligence for the infringement, which by law can be no less than a reasonable royalty.
- 51. As of the time Palo Alto Networks first had notice of the '751 Patent, at least as early as January 18, 2019, Palo Alto Networks has continued with its infringement despite the objectively high likelihood that its actions constitute infringement and Palo Alto Networks' subjective knowledge of this obvious risk. As Palo Alto Networks has no good faith belief that it does not infringe the '751 Patent, at least Palo Alto Networks' continued infringement of the '751 Patent is willful and deliberate, entitling Packet Intelligence to increased damages under 35 U.S.C. § 284 and to attorneys' fees and costs incurred in prosecuting this action under 35 U.S.C. § 285.

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U.S. Patent No. 6,954,789

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52. Packet Intelligence realleges paragraphs 1 through 51 as though fully set forth herein.

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53. Palo Alto Networks has infringed directly and continues to infringe directly, either literally or under the doctrine of equivalents, at least claim 19 of the '789 Patent by its manufacture, sale, offer for sale, and use of any one or more of the Accused Products. Palo Alto Networks is therefore liable for infringement of the '789 Patent pursuant to 35 U.S.C. § 271.

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As of the time Palo Alto Networks first had notice of Counterclaimant's allegations of infringement of one or more claims of the '789 Patent by Palo Alto Networks, which is no later than the filing date of this complaint, Palo Alto Networks, indirectly infringed and continues to indirectly infringe at least claim 19 of the '789 Patent by active inducement under 35 U.S.C. § 271(b). Palo Alto Networks has induced, caused, urged, encouraged, aided and abetted its direct and indirect customers to make, use, sell, offer for sale and/or import one or more of the Accused Products, and thus indirectly infringes at least claim 19 of the '789 Patent. Palo Alto Networks has done so by acts including but not limited to (1) selling such products including features that when used or resold—infringe, either literally or under the doctrine of equivalents, the '789 Patent; (2) marketing the infringing capabilities of such products; and (3) providing instructions, technical support, and other support and encouragement for the use of such products, including at least the documents referenced above. Such conduct by Palo Alto Networks was intended to and actually did result in direct infringement by Palo Alto Networks' direct and indirect customers, including the making, using, selling, offering for sale and/or importation of the Accused Products

55. Palo Alto Networks' infringement of the '789 Patent has damaged Packet Intelligence, and Palo Alto Networks is liable to Packet Intelligence in an amount to be determined at trial that compensates Packet Intelligence for the infringement, which by law can be no less than a reasonable royalty.

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56. As of the time Palo Alto Networks first had notice of the '789 Patent, at least as early as January 18, 2019, Palo Alto Networks has continued with its infringement despite the objectively high likelihood that its actions constitute infringement and Palo Alto Networks' subjective knowledge of this obvious risk. As Palo Alto Networks has no good faith belief that it does not infringe the '789 Patent, at least Palo Alto Networks' continued infringement of the '789 Patent is willful and deliberate, entitling Packet Intelligence to increased damages under 35 U.S.C. § 284 and to attorneys' fees and costs incurred in prosecuting this action under 35 U.S.C. § 285.

DEMAND FOR JURY TRIAL

57. Counterclaimant Packet Intelligence demands a trial by jury on all issues so triable, pursuant to Rule 38 of the Federal Rules of Civil Procedure.

PRAYER FOR RELIEF

WHEREFORE, Counterclaimant Packet Intelligence prays for the following relief:

- A. A judgment in favor of Packet Intelligence that Palo Alto Networks has, either literally or under the doctrine of equivalents, directly infringed and is directly infringing one or more of the claims of the Patents-in-Suit, and/or judgment in favor of Packet Intelligence that one or more of the claims of the Patents-in-Suit have been directly infringed by others and indirectly infringed by Palo Alto Networks, to the extent Palo Alto Networks induced or contributed to such direct infringement by others;
- B. An order permanently enjoining the Palo Alto Networks, its respective officers, agents, employees, and those acting in privity with it, from further direct and/or indirect infringement of one or more claims of the Asserted Patents, or, alternatively, an award of an ongoing royalty Palo Alto Networks' post-judgment infringement of the asserted claims of the Asserted Patents in an amount to be determined at trial;
- C. An award of damages to Packet Intelligence arising out of Palo Alto Networks' infringement of one or more claims of the Asserted Patents, including enhanced damages pursuant to 35 U.S.C. § 284, together with prejudgment and post-judgment interest, in an amount to be determined at trial;

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Case 3:19-cv-02471-WHO Document 18 Filed 07/02/19 Page 21 of 21 D. A judgment declaring this case exceptional under 35 U.S.C. § 285 and 1 2 awarding Packet Intelligence its attorneys' fees; 3 E. An award of prejudgment and post-judgment interest to the full extent 4 permitted by controlling law; and, 5 F. An award of costs and any further relief as the Court may deem just and 6 proper to Packet Intelligence. 7 8 DATED: July 2, 2019 Respectfully submitted, 9 BARTKO ZANKEL BUNZEL & MILLER A Professional Law Corporation 10 11 By: 12 /s/ Brian A. E. Smith Brian A. E. Smith 13 Attorneys for Defendant Packet Intelligence LLC 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 2697.000/1414720.1 Case No. 3:19-cv-02471-WHO DEFENDANT PACKET INTELLIGENCE LLC'S ANSWER AND COUNTERCLAIMS