What is claimed is:

1. A computer-implemented method, comprising:

receiving, by a packet capture system, a plurality of packets;

parsing, by the packet capture system, at least one of data link layer data, network layer data, or transport layer data from each packet of the plurality of packets;

communicating, by the packet capture system, a respective payload of each respective packet of the plurality of packets to at least one first queue;

routing, by a routing system, the respective payload of each respective packet of the plurality of packets to a respective second queue of a plurality of second queues based on a respective protocol of the respective packet;

parsing, by a respective protocol parser node of a parsing system, at least one of session layer data, presentation layer data, or application layer data from the respective payload of each respective packet from each respective second queue of the plurality of second queues;

communicating, by the packet capture system, the at least one of the data link layer data, the network layer data, or the transport layer data for each packet of the plurality of packets to a third queue; and

communicating, by the parsing system, the at least one of the session layer data, the presentation layer data, or the application layer data for each packet of the plurality of packets to the third queue.

2. The method of claim 1, wherein the packet capture system comprises at least one first server, the routing system comprises at least one second server, the parsing system comprises a plurality of third servers, and each respective protocol parser node comprises a respective third server of the plurality of third servers.

3. The method of claim 2, wherein each first server of the at least one first server comprises a packet capture subsystem, a lower layer parser subsystem, and a protocol identifier subsystem,

wherein receiving the plurality of packets comprises receiving, by the packet capture subsystem, the plurality of packets,

wherein parsing the at least one of the data link layer data, the network layer data, or the transport layer data from each packet comprises parsing, by the lower layer parser subsystem, the at least one of the data link layer data, the network layer data, or the transport layer data from each packet of the plurality of packets, and

wherein communicating the respective payload of each respective packet of the plurality of packets to the at least one first queue comprises:

determining, by the protocol identifier subsystem, the respective protocol of each respective packet of the plurality of packets; and

communicating, by the packet capture system, the respective payload of each respective packet of the plurality of packets with protocol data associated with the respective protocol of the respective packet to the at least one first queue.

4. The method of claim 3, wherein each respective protocol parser node of the parsing system is associated with a respective protocol of a plurality of protocols,

wherein each respective second queue of the plurality of second queues is associated with one respective protocol parser node of the parsing system, and

wherein routing each respective packet of the plurality of packets to the respective second queue of the plurality of second queues comprises routing each respective packet of the plurality of packets to a selected one of the plurality of second queues based on the protocol data of the respective packet corresponding to the respective protocol of the one respective protocol parser node associated with the selected one of the plurality of second queues.

5. The method of claim 1, further comprising:

aggregating, by an aggregation system, the at least one of the data link layer data, the network layer data, or the transport layer data for each packet with the at least one of the session layer data, the presentation layer data, or the application layer data for each packet; and

storing, in a database, the at least one of the data link layer data, the network layer data, or the transport layer data for each packet aggregated with the at least one of the session layer data, the presentation layer data, or the application layer data for each packet.

6. The method of claim 5, further comprising:

generating, by the packet capture system, a respective packet identifier for each respective packet of the plurality of packets,

wherein communicating the respective payload of each respective packet of the plurality of packets to at least one first queue comprises communicating the respective payload of each respective packet of the plurality of packets with the respective packet identifier of the respective packet,

wherein communicating the at least one of the data link layer data, the network layer data, or the transport layer data for each packet of the plurality of packets to the third queue comprises communicating the at least one of the data link layer data, the network layer data, or the transport layer data for each packet of the plurality of packets with the respective packet identifier of the respective packet to the third queue,

wherein communicating the at least one of the session layer data, the presentation layer data, or the application layer data for each packet of the plurality of packets to the third queue comprises communicating the at least one of the session layer data, the presentation layer data, or the application layer data for each packet of the plurality of packets with the respective packet identifier of the respective packet to the third queue, and

wherein aggregating the at least one of the data link layer data, the network layer data, or the transport layer data for each packet with the at least one of the session layer data, the presentation layer data, or the application layer data for each packet comprises aggregating the at least one of the data link layer data, the network layer data, or the transport layer data for each packet with the at least one of the session layer data, the presentation layer data, or the application layer data for each packet based on the respective packet identifier of the respective packet communicated with the at least one of the data link layer data, the network layer data, or the transport layer data matching the respective packet identifier of the respective packet communicated with the at least one of the session layer data, the presentation layer data, or the application layer data.

7. The method of claim 5, further comprising:

receiving, by a mapping database, custom field data associated with a plurality of custom fields; and

generating, by the mapping database, a respective mapping between each respective custom field of the plurality of custom fields and a respective common field of a plurality of common fields,

wherein aggregating comprises translating at least one of the data link layer data, the network layer data, the transport layer data, the session layer data, the presentation layer data, or the application layer data for a first packet of the plurality of packets based on the respective mapping of the respective custom field associated with the at least one of the data link layer data, the network layer data, the transport layer data, the session layer data, the presentation layer data, or the application layer data to the respective common field.

8. The method of claim 5, further comprising:

receiving, by a policy database, aggregation policy data associated with at least one aggregation policy,

wherein aggregating comprises filtering at least one field of a first packet of the plurality of packets based on the at least one aggregation policy.

9. The method of claim 1, further comprising:

subscribing, by the routing system, to topics of the first queue, each respective topic of the topics associated with a respective protocol of a plurality of protocols,

wherein communicating the respective payload of each respective packet of the plurality of packets to at least one first queue comprises publishing, in the first queue, each respective payload of each respective packet of the plurality of packets with the respective topic of the topics based on the respective protocol of the respective packet.

10. The method of claim 9, wherein routing the respective payload of each respective packet of the plurality of packets comprises publishing, in the respective second queue of the plurality of second queues, the respective payload of each respective packet of the plurality of packets based on the respective topic of the respective packet, and

wherein parsing at least one of session layer data, presentation layer data, or application layer data from the respective payload of each respective packet comprises consuming, by the respective protocol parser node of the parsing system, the respective payload of each respective packet from each respective second queue of the plurality of second queues.

11. The method of claim 1, further comprising:

monitoring, by a resource monitoring system, the packet capture system, the routing system, the parsing system, the first queue, the plurality of second queues, and the third queue to provide respective metrics for each of the packet capture system, the routing system, the parsing system, the first queue, the second queue, and the third queue; and

determining, by a node provisioning system, whether to add or remove a node from at least one of the packet capture system, the routing system, or the parsing system based on at least one of the respective metrics for the packet capture system, the respective metrics for the routing system, the respective metrics for the parsing system, the respective metrics for the first queue, the respective metrics for the second queue, or the respective metrics for the third queue.

12. The method of claim 11, wherein at least one of:

the resource monitoring system comprises a packet capture system monitoring agent and the node provisioning system comprises a packet capture system node provisioning system;

the resource monitoring system comprises a first queue monitoring agent and a routing system monitoring agent and the node provisioning system comprises a routing system node provisioning system; or

the resource monitoring system comprises a second queue monitoring agent and a parsing system monitoring agent and the node provisioning system comprises a parsing system node provisioning system.

13. A system comprising:

a packet capture system comprising at least one hardware processor configured to:

receive a plurality of packets;

parse at least one of data link layer data, network layer data, or transport layer data from each packet of the plurality of packets;

communicate a respective payload of each respective packet of the plurality of packets to at least one first queue; and

communicate the at least one of the data link layer data, the network layer data, or the transport layer data for each packet of the plurality of packets to a third queue;

a routing system comprising at least one hardware processor configured to route the respective payload of each respective packet of the plurality of packets to a respective second queue of a plurality of second queues based on a respective protocol of the respective packet; and

a parsing system comprising a plurality of protocol parser nodes, each respective protocol parser node comprising at least one hardware processor configured to:

parse at least one of session layer data, presentation layer data, or application layer data from the respective payload of each respective packet from each respective second queue of the plurality of second queues; and

communicate the at least one of the session layer data, the presentation layer data, or the application layer data for each packet of the plurality of packets to the third queue.

14. The system of claim 13, wherein the packet capture system comprises at least one first server, the routing system comprises at least one second server, the parsing system comprises a plurality of third servers, and each respective protocol parser node comprises a respective third server of the plurality of third servers.

15. The system of claim 14, wherein each first server of the at least one first server comprises a packet capture subsystem, a lower layer parser subsystem, and a protocol identifier subsystem,

wherein receiving the plurality of packets comprises receiving, by the packet capture subsystem, the plurality of packets,

wherein parsing the at least one of the data link layer data, the network layer data, or the transport layer data from each packet comprises parsing, by the

lower layer parser subsystem, the at least one of the data link layer data, the network layer data, or the transport layer data from each packet of the plurality of packets, and

wherein communicating the respective payload of each respective packet of the plurality of packets to the at least one first queue comprises:

determining, by the protocol identifier subsystem, the respective protocol of each respective packet of the plurality of packets; and

communicating, by the packet capture system, the respective payload of each respective packet of the plurality of packets with protocol data associated with the respective protocol of the respective packet to the at least one first queue.

16. The system of claim 15, wherein each respective protocol parser node of the parsing system is associated with a respective protocol of a plurality of protocols,

wherein each respective second queue of the plurality of second queues is associated with one respective protocol parser node of the parsing system, and

wherein routing each respective packet of the plurality of packets to the respective second queue of the plurality of second queues comprises routing each respective packet of the plurality of packets to a selected one of the plurality of second queues based on the protocol data of the respective packet corresponding to the respective protocol of the one respective protocol parser associated with the selected one of the plurality of second queues.

17. The system of claim 13, further comprising an aggregation system configured to:

aggregate the at least one of the data link layer data, the network layer data, or the transport layer data for each packet with the at least one of the session layer data, the presentation layer data, or the application layer data for each packet; and

store, in a database, the at least one of the data link layer data, the network layer data, or the transport layer data for each packet aggregated with the at least one of the session layer data, the presentation layer data, or the application layer data for each packet.

18. The system of claim 17, further comprising:

a mapping database configured to:

receive custom field data associated with a plurality of custom fields; and

generate a respective mapping between each respective custom field of the plurality of custom fields and a respective common field of a plurality of common fields; and

a policy database configured to receive aggregation policy data associated with at least one aggregation policy,

wherein aggregating comprises translating at least one of the data link layer data, the network layer data, the transport layer data, the session layer data, the presentation layer data, or the application layer data for a first packet of the plurality of packets based on the respective mapping of the respective custom field associated with the at least one of the data link layer data, the network layer data, the transport layer data, the session layer data, the presentation layer data, or the application layer data to the respective common field, and

wherein aggregating comprises filtering at least one field of a first packet of the plurality of packets based on the at least one aggregation policy.

19. The system of claim 13, further comprising:

a resource monitoring system configured to monitor the packet capture system, the routing system, the parsing system, the first queue, the plurality of second queues, and the third queue to provide respective metrics for each of the packet capture system, the routing system, the parsing system, the first queue, the second queue, and the third queue; and

a node provisioning system configured to determine whether to add or remove a node from at least one of the packet capture system, the routing system, or the parsing system based on at least one of the respective metrics for the packet capture system, the respective metrics for the routing system, the respective metrics for the parsing system, the respective metrics for the first queue, the respective metrics for the second queue, or the respective metrics for the third queue.

20. A computer program product comprising at least one non-transitory computer-readable medium including one or more instructions that, when executed by at least one processor, cause the at least one processor to:

receive a plurality of packets;

parse at least one of data link layer data, network layer data, or transport layer data from each packet of the plurality of packets;

communicate a respective payload of each respective packet of the plurality of packets to at least one first queue;

route the respective payload of each respective packet of the plurality of packets to a respective second queue of a plurality of second queues based on a respective protocol of the respective packet;

parse at least one of session layer data, presentation layer data, or application layer data from the respective payload of each respective packet from each respective second queue of the plurality of second queues;

communicate the at least one of the data link layer data, the network layer data, or the transport layer data for each packet of the plurality of packets to a third queue; and

communicate the at least one of the session layer data, the presentation layer data, or the application layer data for each packet of the plurality of packets to the third queue.