



Intrusion Events

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About Intrusion Events

The system can help you monitor your network for traffic that could affect the availability, integrity, and confidentiality of a host and its data. By placing managed devices on key network segments, you can examine the packets that traverse your network for malicious activity. The system has several mechanisms it uses to look for the broad range of exploits that attackers have developed.

When the system identifies a possible intrusion, it generates an *intrusion event* (sometimes called by a legacy term, "IPS event"), which is a record of the date, time, the type of exploit, and contextual information about the source of the attack and its target. For packet-based events, a copy of the packet or packets that triggered the event is also recorded. Managed devices transmit their events to the Firepower Management Center where you can view the aggregated data and gain a greater understanding of the attacks against your network assets.

You can also deploy a managed device as an inline, switched, or routed intrusion system, which allows you to configure the device to drop or replace packets that you know to be harmful.

Tools for Reviewing and Evaluating Intrusion Events

You can use the following tools to review intrusion events and evaluate whether they are important in the context of your network environment and your security policies.

- An event summary page that gives you an overview of the current activity on your managed devices

- Text-based and graphical reports that you can generate for any time period you choose; you can also design your own reports and configure them to run at scheduled intervals
- An incident-handling tool that you can use to gather event data related to an attack; you can also add notes to help you track your investigation and response
- Automated alerting that you can configure for SNMP, email, and syslog
- Automated correlation policies that you can use to respond to and remediate specific intrusion events
- Predefined and custom workflows that you can use to drill down through the data to identify the events that you want to investigate further
- External tools for managing and analyzing data. You can send data to those tools using syslog or eStreamer. For more information, see [Event Analysis Using External Tools](#)

Additionally, you can use publicly-available information such as the predefined resources on the **Analysis > Advanced > Contextual Cross-Launch** page to learn more about malicious entities.

To search for a particular message string and retrieve documentation for the rule that generated an event, see https://www.snort.org/rule_docs/.

License Requirements for Intrusion Events

FTD License

Threat

Classic License

Protection

Requirements and Prerequisites for Intrusion Events

Model Support

Any.

Supported Domains

Any

User Roles

- Admin
- Intrusion Admin

Viewing Intrusion Events

You view an intrusion event to determine whether there is a threat to your network security.

The initial intrusion events view differs depending on the workflow you use to access the page. You can use one of the predefined workflows, which includes one or more drill-down pages, a table view of intrusion events, and a terminating packet view, or you can create your own workflow. You can also view workflows based on custom tables, which may include intrusion events.

An event view may be slow to display if it contains a large number of IP addresses and you have enabled the **Resolve IP Addresses** event view setting.

In a multidomain deployment, you can view data for the current domain and for any descendant domains. You cannot view data from higher level or sibling domains.

Procedure

Step 1 Choose **Analysis > Intrusions > Events**.

Step 2 You have the following choices:

- Adjust time range — Adjust the time range for the event view as described in [Changing the Time Window](#).
- Change workflows — If you are using a custom workflow that does not include the table view of intrusion events, choose any of the system-provided workflows by clicking (**switch workflow**) next to the workflow title.
- Constrain — To narrow your view to the intrusion events that are important to your analysis, see [Using Intrusion Event Workflows, on page 22](#).
- Delete event — To delete an event from the database, click **Delete** to delete the event whose packet you are viewing or click **Delete All** to delete all the events whose packets you previously selected.
- Mark reviewed — To mark intrusion events reviewed, see [Marking Intrusion Events Reviewed, on page 17](#).
- View connection data — To view connection data associated with intrusion events, see [Viewing Connection Data Associated with Intrusion Events, on page 16](#).
- View contents — To view the contents of the columns in the table as described in [Intrusion Event Fields, on page 4](#).

Related Topics

[Using the Intrusion Event Packet View, on page 25](#)

About Intrusion Event Fields

When the system identifies a possible intrusion, it generates an *intrusion event*, which is a record of the date, time, the type of exploit, and contextual information about the source of the attack and its target. For packet-based events, a copy of the packet or packets that triggered the event is also recorded.

You can view intrusion event data in the Firepower Management Center web interface at **Analysis > Intrusions > Events** or emit data from certain fields as syslog messages for consumption by an external tool. Syslog fields are indicated in the list below; fields without a listed syslog equivalent are not available in syslog messages.

When searching intrusion events, keep in mind that the information available for any individual event can vary depending on how, why, and when system logged the event. For example, only intrusion events triggered on decrypted traffic contain TLS/SSL information.



Note In the Firepower Management Center web interface, some fields in the table view of intrusion events are disabled by default. To enable a field for the duration of your session, expand the search constraints, then click the column name under **Disabled Columns**.

Intrusion Event Fields

Access Control Policy (Syslog: ACPolicy)

The access control policy associated with the intrusion policy where the intrusion, preprocessor, or decoder rule that generated the event is enabled.

Access Control Rule (Syslog: AccessControlRuleName)

The access control rule that invoked the intrusion policy that generated the event. `Default Action` indicates that the intrusion policy where the rule is enabled is not associated with a specific access control rule but, instead, is configured as the default action of the access control policy.

This field is empty (or, for syslog messages, omitted) if there is:

- No associated rule/default action: Intrusion inspection was associated with neither an access control rule nor the default action, for example, if the packet was examined by the intrusion policy specified to handle packets that must pass before the system can determine which rule to apply. (This policy is specified in the Advanced tab of the access control policy.)
- No associated connection event: The connection event logged for the session has been purged from the database, for example, if connection events have higher turnover than intrusion events.

Application Protocol (Syslog: ApplicationProtocol)

The application protocol, if available, which represents communications between hosts detected in the traffic that triggered the intrusion event.

Application Protocol Category and Tag

Criteria that characterize the application to help you understand the application's function.

Application Risk

The risk associated with detected applications in the traffic that triggered the intrusion event: Very High, High, Medium, Low, and Very Low. Each type of application detected in a connection has an associated risk; this field displays the highest risk of those.

Business Relevance

The business relevance associated with detected applications in the traffic that triggered the intrusion event: Very High, High, Medium, Low, and Very Low. Each type of application detected in a connection has an associated business relevance; this field displays the lowest (least relevant) of those.

Classification (Syslog: Classification)

The classification where the rule that generated the event belongs.

See a list of possible classification values in [Intrusion Event Details](#).

When searching this field, enter the classification number, or all or part of the classification name or description for the rule that generated the events you want to view. You can also enter a comma-separated list of numbers, names, or descriptions. Finally, if you add a custom classification, you can also search using all or part of its name or description.

Client (Syslog: Client)

The client application, if available, which represents software running on the monitored host detected in the traffic that triggered the intrusion event.

Client Category and Tag

Criteria that characterize the application to help you understand the application's function.

Connection Counter (Syslog Only)

A counter that distinguishes one connection from another simultaneous connection. This field has no significance on its own.

The following fields collectively uniquely identify the connection event associated with a particular intrusion event: DeviceUUID, First Packet Time, Connection Instance ID, and Connection Counter.

Connection Instance ID (Syslog Only)

The Snort instance that processed the connection event. This field has no significance on its own.

The following fields collectively uniquely identify the connection event associated with a particular intrusion event: DeviceUUID, First Packet Time, Connection Instance ID, and Connection Counter.

Count

The number of events that match the information that appears in each row. Note that the Count field appears only after you apply a constraint that creates two or more identical rows. This field is not searchable.

CVE ID

This field is a search field only.

Search by the identification number associated with the vulnerability in MITRE's Common Vulnerabilities and Exposures (CVE) database (<https://cve.mitre.org/>).

Destination Continent

The continent of the receiving host involved in the intrusion event.

Destination Country

The country of the receiving host involved in the intrusion event.

Destination Host Criticality

The destination host criticality (value of the Host Criticality attribute for that corresponding host) when the event is generated.

Keep in mind that this field is not updated when the criticality of the host changes. However, new events will have the new criticality value.

Destination IP (Syslog: DstIP)

The IP address used by the receiving host involved in the intrusion event.

See also [A Note About Initiator/Responder, Source/Destination, and Sender/Receiver Fields](#).

Destination Port / ICMP Code (Syslog: DstPort, ICMPCode)

The port number for the host receiving the traffic. For ICMP traffic, where there is no port number, this field displays the ICMP code.

Destination User

The username associated with the Responder IP of the connection event. This host may or may not be the host receiving the exploit. This value is typically known only for users on your network.

See also [A Note About Initiator/Responder, Source/Destination, and Sender/Receiver Fields](#).

Device

The managed device where the access control policy was deployed.

DeviceUUID (Syslog Only)

The unique identifier of the firepower device that generated an event.

The following fields collectively uniquely identify the connection event associated with a particular intrusion event: DeviceUUID, First Packet Time, Connection Instance ID, and Connection Counter.

Domain

The domain of the device that detected the intrusion. This field is only present if you have ever configured the FMC for multitenancy.

Egress Interface (Syslog: EgressInterface)

The egress interface of the packet that triggered the event. This interface column is not populated for a passive interface.

Egress Security Zone (Syslog: EgressZone)

The egress security zone of the packet that triggered the event. This security zone field is not populated in a passive deployment.

Egress Virtual Router

In networks using virtual routing, the name of the virtual router through which traffic exited the network.

Email Attachments

The MIME attachment file name that was extracted from the MIME Content-Disposition header. To display attachment file names, you must enable the SMTP preprocessor **Log MIME Attachment Names** option. Multiple attachment file names are supported.

Email Headers

This field is a search field only.

The data that was extracted from the email header.

To associate email headers with intrusion events for SMTP traffic, you must enable the SMTP preprocessor **Log Headers** option.

Email Recipient

The address of the email recipient that was extracted from the SMTP RCPT TO command. To display a value for this field, you must enable the SMTP preprocessor **Log To Addresses** option. Multiple recipient addresses are supported.

Email Sender

The address of the email sender that was extracted from the SMTP MAIL FROM command. To display a value for this field, you must enable the SMTP preprocessor **Log From Address** option. Multiple sender addresses are supported.

First Packet Time (Syslog Only)

The time the system encountered the first packet.

The following fields collectively uniquely identify the connection event associated with a particular intrusion event: DeviceUUID, First Packet Time, Connection Instance ID, and Connection Counter.

Generator

The component that generated the event.

See also information about the following intrusion event fields: GID, Message, and Snort ID.

GID (Syslog Only)

Generator ID; the ID of the component that generated the event.

See also information about the following intrusion event fields: Generator, Message, and Snort ID.

HTTP Hostname

The host name, if present, that was extracted from the HTTP request Host header. Note that request packets do not always include the host name.

To associate host names with intrusion events for HTTP client traffic, you must enable the HTTP Inspect preprocessor **Log Hostname** option.

In table views, this column displays the first fifty characters of the extracted host name. You can hover your pointer over the displayed portion of an abbreviated host name to display the complete name, up to 256 bytes. You can also display the complete host name, up to 256 bytes, in the packet view.

HTTP Response Code (Syslog: HTTPResponse)

The HTTP status code sent in response to a client's HTTP request over the connection that triggered the event.

HTTP URI

The normalized URI, if present, associated with the HTTP request packet that triggered the intrusion event. Note that request packets do not always include a URI.

To associate URIs with intrusion events for HTTP traffic, you must enable the HTTP Inspect preprocessor **Log URI** option.

To see the associated HTTP URI in intrusion events triggered by HTTP responses, you should configure HTTP server ports in the **Perform Stream Reassembly on Both Ports** option; note, however, that this increases resource demands for traffic reassembly.

This column displays the first fifty characters of the extracted URI. You can hover your pointer over the displayed portion of an abbreviated URI to display the complete URI, up to 2048 bytes. You can also display the complete URI, up to 2048 bytes, in the packet view.

Impact

The impact level in this field indicates the correlation between intrusion data, network discovery data, and vulnerability information.

When searching this field, do not specify impact icon colors or partial strings. For example, do not use **blue**, **level 1**, or **0**. Valid case-insensitive values are:

- Impact 0, Impact Level 0
- Impact 1, Impact Level 1
- Impact 2, Impact Level 2
- Impact 3, Impact Level 3
- Impact 4, Impact Level 4
- Impact 5, Impact Level 5

Because no operating system information is available for hosts added to the network map from NetFlow data, the system cannot assign Vulnerable (impact level 1: red) impact levels for intrusion events involving those hosts. In such cases, use the host input feature to manually set the operating system identity for the hosts.

Ingress Interface (Syslog: IngressInterface)

The ingress interface of the packet that triggered the event. Only this interface column is populated for a passive interface.

Ingress Security Zone (Syslog: IngressZone)

The ingress security zone or tunnel zone of the packet that triggered the event. Only this security zone field is populated in a passive deployment.

Ingress Virtual Router

In networks using virtual routing, the name of the virtual router through which traffic entered the network.

Inline Result (Syslog: InlineResult)

In workflow and table views, this field displays one of the following:

Table 1: Inline Result Field Contents in Workflow and Table Views

This Icon	Indicates
	The system dropped the packet that triggered the rule.
	IPS would have dropped the packet if you enabled the Drop when Inline intrusion policy option (in an inline deployment), or if a Drop and Generate rule generated the event while the system was pruning.
	IPS may have transmitted or delivered the packet to the destination, but the connection that contained this packet is now blocked.
No icon (blank)	The triggered rule was not set to Drop and Generate Events

The following table lists the possible reasons for the inline results — Would have dropped and Partially dropped.

Inline Result	Reason	Detailed Reason
Would Have Dropped	Interface in Passive or Tap mode	You have configured the interfaces in inline tap or passive mode.
	Intrusion Policy in "Detection" Inspection Mode	You have set the inspection mode in the intrusion policy to Detection.
	Connection Timed Out	The Snort inspection engine has suspended the inspection as the TCP/IP connection timed out.
Partially Dropped	Connection Closed (0x01)	While creating a new flow, if the allocated flows are more than the allowed number of flows, the Snort inspection engine prunes the least recently used flows.
	Connection Closed (0x02)	When reloading the Snort inspection engine causes a memory adjustment, the engine prunes the least recently used flows.
	Connection Closed (0x04)	When the Snort inspection engine is gracefully shutting down, the engine purges all the active flows.

In a passive deployment, the system does not drop packets, including when an inline interface is in tap mode, regardless of the rule state or the inline drop behavior of the intrusion policy.

When searching this field, enter either of the following:

- **dropped** to specify whether the packet is dropped in an inline deployment.
- **would have dropped** to specify whether the packet would have dropped if the intrusion policy had been set to drop packets in an inline deployment.
- **partially dropped** to specify whether the packet is transmitted or delivered to the destination, but the connection that contained this packet is now blocked.

Intrusion Policy (Syslog: IntrusionPolicy)

The intrusion policy where the intrusion, preprocessor, or decoder rule that generated the event was enabled. You can choose an intrusion policy as the default action for an access control policy, or you can associate an intrusion policy with an access control rule.

IOC (Syslog: NumIOC)

Whether the traffic that triggered the intrusion event also triggered an indication of compromise (IOC) for a host involved in the connection.

When searching this field, specify **triggered** or **n/a**.

Message (Syslog: Message)

The explanatory text for the event. For rule-based intrusion events, the event message is pulled from the rule. For decoder- and preprocessor-based events, the event message is hard coded.

The Generator and Snort IDs (GID and SID) and the SID version (Revision) are appended in parentheses to the end of each message in the format of numbers separated by colons (GID:SID:version). For example **(1 : 36330 : 2)**.

MITRE

A count of techniques that you can click to bring up a modal, which shows the full list of MITRE tactics and techniques within that hierarchy.

MPLS Label (Syslog: MPLS_Label)

The Multiprotocol Label Switching label associated with the packet that triggered the intrusion event.

Network Analysis Policy (Syslog: NAPPolicy)

The network analysis policy, if any, associated with the generation of the event.

This field displays the first fifty characters of the extracted URI. You can hover your pointer over the displayed portion of an abbreviated URI to display the complete URI, up to 2048 bytes. You can also display the complete URI, up to 2048 bytes, in the packet view.

Original Client IP

The original client IP address that was extracted from an X-Forwarded-For (XFF), True-Client-IP, or custom-defined HTTP header.

To display a value for this field, you must enable the HTTP preprocessor **Extract Original Client IP Address** option in the network analysis policy. Optionally, in the same area of the network analysis policy, you can also specify up to six custom client IP headers, as well as set the priority order in which the system selects the value for the Original Client IP event field.

Priority (Syslog: Priority)

The event priority as determined by the Talos Intelligence Group. The priority corresponds to either the value of the `priority` keyword or the value for the `classtype` keyword. For other intrusion events, the priority is determined by the decoder or preprocessor. Valid values are high, medium, and low.

Protocol (Syslog: Protocol)

In the Firepower Management Center web interface, this field is a search field only.

The name or number of the transport protocol used in the connection as listed in <http://www.iana.org/assignments/protocol-numbers>. This is the protocol associated with the source and destination port/ICMP column.

Reviewed By

The name of the user who reviewed the event. When searching this field, you can enter **unreviewed** to search for events that have not been reviewed.

Revision (Syslog Only)

The version of the signature that was used to generate the event.

See also information about the following intrusion event fields: Generator, GID, Message, SID, and Snort ID.

Rule Group

A count of non-MITRE rule groups that you can click to bring up a modal, which shows the full list of rule groups.

Security Context (Syslog: Context)

The metadata identifying the virtual firewall group through which the traffic passed. The system only populates this field for ASA FirePOWER in multiple context mode.

SID (Syslog Only)

The signature ID (also known as the Snort ID) of the rule that generated the event.

See also information about the following intrusion event fields: Generator, GID, Message, Revision, and Snort ID.

Snort ID

This field is a search field only.

(For the syslog field, see SID.)

When performing your search: Specify the Snort ID (SID) of the rule that generated the event or, optionally, specify the combination Generator ID (GID) and SID of the rule, where the GID and SID are separated with a colon (:) in the format GID:SID. You can specify any of the values in the following table:

Table 2: Snort ID Search Values

Value	Example
a single SID	10000
a SID range	10000-11000
greater than a SID	>10000
greater than or equal to a SID	>=10000
less than a SID	<10000
less than or equal to a SID	<=10000
a comma-separated list of SIDs	10000,11000,12000
a single GID:SID combination	1:10000
a comma-separated list of GID:SID combinations	1:10000,1:11000,1:12000
a comma-separated list of SIDs and GID:SID combinations	10000,1:11000,12000

The SID of the events you are viewing is listed in the Message column. For more information, see the description in this section for the Message field.

Source Continent

The continent of the sending host involved in the intrusion event.

Source Country

The country of the sending host involved in the intrusion event.

Source Host Criticality

The source host criticality (value of the Host Criticality attribute for that corresponding host) when the event is generated.

Keep in mind that this field is not updated when the criticality of the host changes. However, new events will have the new criticality value.

Source IP (Syslog: SrcIP)

The IP address used by the sending host involved in the intrusion event.

See also [A Note About Initiator/Responder, Source/Destination, and Sender/Receiver Fields](#).

Source Port / ICMP Type (Syslog: SrcPort, ICMPType)

The port number on the sending host. For ICMP traffic, where there is no port number, this field displays the ICMP type.

Source User (Syslog: User)

The username associated with the IP address of the host that initiated the connection, which may or may not be the source host of the exploit. This user value is typically known only for users on your network.

If applicable, the username is preceded by <realm>\.

SSL Actual Action (Syslog: SSLActualAction)

In the Firepower Management Center web interface, this field is a search field only.

The action the system applied to encrypted traffic:

Block/Block with reset

Represents blocked encrypted connections.

Decrypt (Resign)

Represents an outgoing connection decrypted using a re-signed server certificate.

Decrypt (Replace Key)

Represents an outgoing connection decrypted using a self-signed server certificate with a substituted public key.

Decrypt (Known Key)

Represents an incoming connection decrypted using a known private key.

Default Action

Indicates the connection was handled by the default action.

Do not Decrypt

Represents a connection the system did not decrypt.

Field values are displayed in the **SSL Status** field on the search workflow pages.

SSL Certificate Information

This field is a search field only.

The information stored on the public key certificate used to encrypt traffic, including:

- Subject/Issuer Common Name
- Subject/Issuer Organization
- Subject/Issuer Organization Unit
- Not Valid Before/After
- Serial Number
- Certificate Fingerprint
- Public Key Fingerprint

SSL Failure Reason

This field is a search field only.

The reason the system failed to decrypt encrypted traffic:

- Unknown
- No Match
- Success
- Uncached Session
- Unknown Cipher Suite
- Unsupported Cipher Suite
- Unsupported SSL Version
- SSL Compression Used
- Session Undecryptable in Passive Mode
- Handshake Error
- Decryption Error
- Pending Server Name Category Lookup
- Pending Common Name Category Lookup
- Internal Error
- Network Parameters Unavailable
- Invalid Server Certificate Handle
- Server Certificate Fingerprint Unavailable
- Cannot Cache Subject DN
- Cannot Cache Issuer DN
- Unknown SSL Version
- External Certificate List Unavailable
- External Certificate Fingerprint Unavailable
- Internal Certificate List Invalid
- Internal Certificate List Unavailable
- Internal Certificate Unavailable
- Internal Certificate Fingerprint Unavailable
- Server Certificate Validation Unavailable
- Server Certificate Validation Failure
- Invalid Action

Field values are displayed in the **SSL Status** field on the search workflow pages.

SSL Status

The action associated with the **SSL Actual Action** (SSL rule, default action, or undecryptable traffic action) that logged the encrypted connection.

If the system fails to decrypt an encrypted connection, it displays the **SSL Actual Action** (undecryptable traffic action) taken, as well as the **SSL Failure Reason**. For example, if the system detects traffic encrypted with an unknown cipher suite and allows it without further inspection, this field displays `Do Not Decrypt (Unknown Cipher Suite)`.

Click the **Lock icon** to view certificate details.

When searching this field, enter one or more of the **SSL Actual Action** and **SSL Failure Reason** values to view encrypted traffic the system handled or failed to decrypt.

SSL Subject/Issuer Country

This field is a search field only.

A two-character ISO 3166-1 alpha-2 country code for the subject or issuer country associated with the encryption certificate.

Time

The date and time of the event. This field is not searchable.

VLAN ID (Syslog: VLAN_ID)

The innermost VLAN ID associated with the packet that triggered the intrusion event.

Web Application (Syslog: WebApplication)

The web application, which represents the content or requested URL for HTTP traffic detected in the traffic that triggered the intrusion event.

If the system detects an application protocol of HTTP but cannot detect a specific web application, the system supplies a generic web browsing designation instead.

Web Application Category and Tag

Criteria that characterize the application to help you understand the application's function.

Related Topics

[Event Searches](#)

Intrusion Event Impact Levels

To help you evaluate the impact an event has on your network, the Firepower Management Center displays an impact level in the table view of intrusion events. For each event, the system adds an impact level icon whose color indicates the correlation between intrusion data, network discovery data, and vulnerability information.



Note Because no operating system information is available for hosts added to the network map from NetFlow data, the system cannot assign Vulnerable (impact level 1: red) impact levels for intrusion events involving those hosts. In such cases, use the host input feature to manually set the operating system identity for the hosts.

The following table describes the possible values for the impact levels.

Table 3: Impact Levels

Impact Level	Vulnerability	Color	Description
Vulnerable (1)	Vulnerable	red	Either: - the source or the destination host is in the network map, and a vulnerability is mapped to the host - the source or destination host is potentially compromised by a virus, trojan, or other piece of malicious software
Potentially Vulnerable (2)	Potentially Vulnerable	orange	Either the source or the destination host is in the network map and one of the following is true: - for port-oriented traffic, the port is running a server application protocol - for non-port-oriented traffic, the host uses the protocol
Currently Not Vulnerable (3)	Currently Not Vulnerable	yellow	Either the source or the destination host is in the network map and one of the following is true: - for port-oriented traffic (for example, TCP or UDP), the port is not open - for non-port-oriented traffic (for example, ICMP), the host does not use the protocol
Unknown Target (4)	Unknown Target	blue	Either the source or destination host is on a monitored network, but there is no entry for the host in the network map.
Unknown (0)	Unknown	gray	Neither the source nor the destination host is on a network that is monitored by network discovery.

Viewing Connection Data Associated with Intrusion Events

The system can log the connections where intrusion events are detected. Although this logging is automatic for intrusion policies associated with access control rules, you must manually enable connection logging to see associated connection data for the default action.

Viewing associated data is most useful when navigating between table views of events.

In a multidomain deployment, you can view data for the current domain and for any descendant domains. You cannot view data from higher level or sibling domains.

Procedure

Step 1 Choose **Analysis > Intrusions > Events**.

Step 2 Choose the intrusion events using the check boxes in the table, then choose **Connections** from the **Jump to** drop-down list.

Tip

You can view the intrusion events associated with particular connections in a similar way. For more information, see [Inter-Workflow Navigation](#).

Related Topics

[Logging for Allowed Connections](#)

[Using Intrusion Event Workflows](#), on page 22

[Using Connection and Security Intelligence Event Tables](#)

Marking Intrusion Events Reviewed

If you are confident that an intrusion event is not malicious, you can mark the event reviewed.

If you have examined an intrusion event and are confident that the event does not represent a threat to your network security (for example, because you know that none of the hosts on your network are vulnerable to the detected exploit), you can mark the event reviewed. Reviewed events are stored in the event database and are included in the event summary statistics, but no longer appear in the default intrusion event pages. Your name appears as the reviewer.

In a multidomain deployment, if you mark an event reviewed, the system marks it reviewed in all domains that can view that event.

If you perform a backup and then delete reviewed intrusion events, restoring your backup restores the deleted intrusion events but does not restore their reviewed status. You view those restored intrusion events under **Intrusion Events**, not under **Reviewed Events**.

Procedure

On a page that displays intrusion events, you have two options:

- To mark one or more intrusion events from the list of events, check the check boxes next to the events and click **Review**.
 - To mark all intrusion events from the list of events, click **Review All**.
-

Related Topics

[Using Intrusion Event Workflows](#), on page 22

Viewing Previously Reviewed Intrusion Events

In a multidomain deployment, if you mark an event reviewed, the system marks it reviewed in all domains that can view that event.

Procedure

Step 1 Choose **Analysis > Intrusions > Reviewed Events**.

Step 2 You have the following choices:

- Adjust the time range as described in [Changing the Time Window](#).
- If you are using a custom workflow that does not include the table view of intrusion events, choose any of the system-provided workflows by clicking **(switch workflow)** next to the workflow title.
- To learn more about the events that appear, see [Intrusion Event Fields, on page 4](#).

Related Topics

[Using Intrusion Event Workflows](#), on page 22

Marking Reviewed Intrusion Events Unreviewed

You can return a reviewed event to the default intrusion events view by marking the event unreviewed.

In a multidomain deployment, if you mark an event reviewed, the system marks it reviewed in all domains that can view that event.

Procedure

On a page that displays reviewed events, you have two choices:

- To remove individual intrusion events from the list of reviewed events, check the check boxes next to specific events and click **Unreview**.
 - To remove all intrusion events from the list of reviewed events, click **Unreview All**.
-

Preprocessor Events

Preprocessors provide two functions: performing the specified action on the packet (for example, decoding and normalizing HTTP traffic) and reporting the execution of specified preprocessor options by generating an event whenever a packet triggers that preprocessor option and the associated preprocessor rule is enabled. For example, you can enable the `Double Encoding HTTP Inspect` option and the associated preprocessor rule

with the HTTP Inspect Generator (GID) 119 and the Snort ID (SID) 2 to generate an event when the preprocessor encounters IIS double-encoded traffic.

Generating events to report the execution of preprocessors helps you detect anomalous protocol exploits. For example, attackers can craft overlapping IP fragments to cause a DoS attack on a host. The IP defragmentation preprocessor can detect this type of attack and generate an intrusion event for it.

Preprocessor events differ from rule events in that the packet display does not include a detailed rule description for the event. Instead, the packet display shows the event message, the GID, SID, the packet header data, and the packet payload. This allows you to analyze the packet's header information, determine if its header options are being used and if they can exploit your system, and inspect the packet payload. After the preprocessors analyze each packet, the rules engine executes appropriate rules against it (if the preprocessor was able to defragment it and establish it as part of a valid session) to further analyze potential content-level threats and report on them.

Preprocessor Generator IDs

Each preprocessor has its own Generator ID number, or GID, that indicates which preprocessor was triggered by the packet. Some of the preprocessors also have related SIDs, which are ID numbers that classify potential attacks. This helps you analyze events more effectively by categorizing the type of event much the way a rule's Snort ID (SID) can offer context for packets triggering rules. You can list preprocessor rules by preprocessor in the Preprocessors filter group on the intrusion policy Rules page; you can also list preprocessor rules in the preprocessor and packet decoder sub-groupings in the Category filter group.



Note Events generated by standard text rules have a generator ID of 1 (Global domain or legacy GID) or 1000 - 2000 (descendant domains). For shared object rules, the events have a generator ID of 3. For both, the event's SID indicates which specific rule triggered.

The following table describes the types of events that generate each GID.

Table 4: Generator IDs

ID	Component	Description
1	Standard Text Rule	The event was generated when the packet triggered a standard text rule (Global domain or legacy GID).
2	Tagged Packets	The event was generated by the Tag generator, which generates packets from a tagged session. This occurs when the <code>tag</code> rule option is used.
3	Shared Object Rule	The event was generated when the packet triggered a shared object rule.
102	HTTP Decoder	The decoder engine decoded HTTP data within the packet.
105	Back Orifice Detector	The Back Orifice Detector identified a Back Orifice attack associated with the packet.
106	RPC Decoder	The RPC decoder decoded the packet.
116	Packet Decoder	The event was generated by the packet decoder.

ID	Component	Description
119, 120	HTTP Inspect Preprocessor	The event was generated by the HTTP Inspect preprocessor. GID 120 rules relate to server-specific HTTP traffic.
122	Portscan Detector	The event was generated by the portscan flow detector.
123	IP Defragmentor	The event was generated when a fragmented IP datagram could not be properly reassembled.
124	SMTP Decoder	The event was generated when the SMTP preprocessor detected an exploit against an SMTP verb.
125	FTP Decoder	The event was generated when the FTP/Telnet decoder detected an exploit within FTP traffic.
126	Telnet Decoder	The event was generated when the FTP/Telnet decoder detected an exploit within telnet traffic.
128	SSH Preprocessor	The event was generated when the SSH preprocessor detected an exploit within SSH traffic.
129	Stream Preprocessor	The event was generated during stream preprocessing by the stream preprocessor.
131	DNS Preprocessor	The event was generated by the DNS preprocessor.
133	DCE/RPC Preprocessor	The event was generated by the DCE/RPC preprocessor.
134	Rule Latency Packet Latency	The event was generated when rule latency suspended (134:1) or re-enabled (134:2) a group of intrusion rules, or when the system stopped inspecting a packet because the packet latency threshold was exceeded (134:3).
135	Rate-Based Attack Detector	The event was generated when a rate-based attack detector identified excessive connections to hosts on the network.
137	SSL Preprocessor	The event was generated by the TLS/SSL preprocessor.
138, 139	Sensitive Data Preprocessor	The event was generated by the sensitive data preprocessor.
140	SIP Preprocessor	The event was generated by the SIP preprocessor.
141	IMAP Preprocessor	The event was generated by the IMAP preprocessor.
142	POP Preprocessor	The event was generated by the POP preprocessor.
143	GTP Preprocessor	The event was generated by the GTP preprocessor.
144	Modbus Preprocessor	The event was generated by the Modbus SCADA preprocessor.
145	DNP3 Preprocessor	The event was generated by the DNP3 SCADA preprocessor.
148	CIP Preprocessor	The event was generated by the CIP SCADA preprocessor.

ID	Component	Description
149	S7Commplus preprocessor	The event was generated by the S7Commplus SCADA preprocessor.
1000 - 2000	Standard Text Rule	The event was generated when the packet triggered a standard text rule (descendant domains).

Intrusion Event Workflow Pages

The preprocessor, decoder, and intrusion rules that are enabled in the current intrusion policy generate intrusion events whenever the traffic that you monitor violates the policy.

The system provides a set of predefined workflows, populated with event data, that you can use to view and analyze intrusion events. Each of these workflows steps you through a series of pages to help you pinpoint the intrusion events that you want to evaluate.

The predefined intrusion event workflows contain three different types of pages, or event views:

- one or more drill-down pages
- the table view of intrusion events
- a packet view

Drill-down pages generally include two or more columns in a table (and, for some drill-down views, more than one table) that allow you to view one specific type of information.

When you “drill down” to find more information for one or more destination ports, you automatically select those events and the next page in the workflow appears. In this way, drill-down tables help you reduce the number of events you are analyzing at one time.

The initial *table view* of intrusion events lists each intrusion event in its own row. The columns in the table list information such as the time, the source IP address and port, the destination IP address and port, the event priority, the event message, and more.

When you select events on a table view, instead of selecting events and displaying the next page in the workflow, you add to what are called *constraints*. Constraints are limits that you impose on the types of events that you want to analyze.

For example, if you click **Close** (✕) in any column and clear **Time** from the drop-down list, you can remove Time as one of the columns. To narrow the list of events in your analysis, you can click the link for a value in one of the rows in the table view. For example, to limit your analysis to the events generated from one of the source IP addresses (presumably, a potential attacker), click the IP address in the **Source IP Address** column.

If you select one or more rows in a table view and then click **View**, the packet view appears. A *packet view* provides information about the packet that triggered the rule or the preprocessor that generated the event. Each section of the packet view contains information about a specific layer in the packet. You can expand collapsed sections to see more information.



Note Because each portscan event is triggered by multiple packets, portscan events use a special version of the packet view.

If the predefined workflows do not meet your specific needs, you can create custom workflows that display only the information you are interested in. Custom intrusion event workflows can include drill-down pages, a table view of events, or both; the system automatically includes a packet view as the last page. You can easily switch between the predefined workflows and your own custom workflows depending on how you want to investigate events.

Using Intrusion Event Workflows

The drill-down views and table view of events share some common features that you can use to narrow a list of events and then concentrate your analysis on a group of related events.

To avoid displaying the same intrusion events on different workflow pages, the time range pauses when you click a link at the bottom of the page to display another page of events, and resumes when you click to take any other action on the subsequent page.



Tip At any point in the process, you can save the constraints as a set of search criteria. For example, if you find that over the course of a few days your network is being probed by an attacker from a single IP address, you can save your constraints during your investigation and then use them again later. You cannot, however, save compound constraints as a set of search criteria.

Procedure

- Step 1** Access an intrusion event workflow using **Analysis > Intrusions > Events**.
- Step 2** Optionally, constrain the number of intrusion events that appear on the event views as described in [Intrusion Event Drill-Down Page Constraints, on page 23](#) or [Intrusion Event Table View Constraints, on page 24](#).
- Step 3** You have the following choices:
 - To learn more about the columns that appear, see [Intrusion Event Fields, on page 4](#).
 - To view a host's profile, click **Host Profile** that appears next to the host IP address.
 - To view geolocation details, click flag that appears in the Source Country or Destination Country columns.
 - To view data in available sources external to your system, right-click an event value. The options you see depend on the data type and include public sources; other sources depend on the resources you have configured. For information, see [Event Investigation Using Web-Based Resources](#)
 - To gather general intelligence about an event, right-click an event value in the table and choose from a Cisco or third-party intelligence source. For example, you can get details about a suspicious IP address from Cisco Talos. The options you see depend on the data type and the integrations that are configured on your system. For more information, see [Event Investigation Using Web-Based Resources](#).
 - To modify the time and date range for displayed events, see [Changing the Time Window](#).

Tip

If no intrusion events appear on the event views, adjusting the specified time range might return results. If you specified an older time range, events in that time range might have been deleted. Adjusting the rule thresholding configuration might generate events.

Note

Events generated outside the appliance's configured time window (whether global or event-specific) may appear in an event view if you constrain the event view by time. This may occur even if you configured a sliding time window for the appliance.

- To sort events on the current workflow page or navigate within the current workflow page, see [Using Workflows](#).
- To navigate between pages in the current workflow, keeping the current constraints, click the appropriate page link at the top left of the workflow page.
- To delete events from the event database, check the check boxes next to events you want to delete, then click **Delete**, or click **Delete All**.
- To mark events reviewed to remove them from intrusion event pages, but not the event database, see [Marking Intrusion Events Reviewed, on page 17](#).
- To download a local copy of the packet (a packet capture file in libpcap format) that triggered each selected event, check the check boxes next to events triggered by the packets you want to download, then click **Download Packets**, or click **Download All Packets**. Captured packets are saved in libpcap format. This format is used by several popular protocol analyzers.
- To navigate to other event views to view associated events, see [Inter-Workflow Navigation](#).
- To temporarily use a different workflow, click **(switch workflow)**.
- To bookmark the current page so that you can quickly return to it, click **Bookmark This Page**.
- To view the Intrusion Events section of the Summary Dashboard, click **Dashboards**.
- To navigate to the bookmark management page, click **View Bookmarks**.
- To generate a report based on the data in the current view, see [Creating a Report Template from an Event View](#).

Related Topics[Event Searches](#)[Bookmarks](#)

Intrusion Event Drill-Down Page Constraints

The following table describes how to use the drill-down pages.

Table 5: Constraining Events on Drill-Down Pages

To...	You can...
drill down to the next workflow page constraining on a specific value	click the value. For example, on the Destination Port workflow, to constrain the events to those with a destination of port 80, click 80/tcp in the DST Port/ICMP Code column. The next page of the workflow, Events, appears and contains only port 80/tcp events.
drill down to the next workflow page constraining on selected events	select the check boxes next to the events you want to view on the next workflow page, then click View. For example, on the Destination Port workflow, to constrain the events to those with destination ports 20/tcp and 21/tcp, select the check boxes next to the rows for those ports and click View. The next page of the workflow, Events, appears and contains only port 20/tcp and 21/tcp events. Note that if you constrain on multiple rows and the table has more than one column (not including a Count column), you build what is called a compound constraint. Compound constraints ensure that you do not include more events in your constraint than you mean to. For example, if you use the Event and Destination workflow, each row that you select on the first drill-down page creates a compound constraint. If you pick event 1:100 with a destination IP address of 10.10.10.100 and you also pick event 1:200 with a destination IP address of 192.168.10.100, the compound constraint ensures that you do not also select events with 1:100 as the event type and 192.168.10.100 as the destination IP address or events with 1:200 as the event type and 10.10.10.100 as the destination IP address.
drill down to the next workflow page keeping the current constraints	click View All .

Intrusion Event Table View Constraints

The following table describes how to use the table view.

Table 6: Constraining Events on the Table View of Events

To...	You can...
constrain the view to events with a single attribute	click the attribute. For example, to constrain the view to events with a destination of port 80, click 80/tcp in the DST Port/ICMP Code column.
remove a column from the table	click Close (✕) in the column heading that you want to hide. In the pop-up window that appears, click Apply. If you want to hide or show other columns, select or clear the appropriate check boxes before you click Apply. To add a disabled column back to the view, click the expand arrow to expand the search constraints, then click the column name under Disabled Columns.

To...	You can...
view the packets associated with one or more events	either: • click the down arrow next to the event whose packets you want to view. • select one or more events whose packets you want to view, and, at the bottom of the page, click View. • at the bottom of the page, click View All to view the packets for all events that match the current constraints.

Using the Intrusion Event Packet View

A packet view provides information about the packet that triggered the rule that generated an intrusion event.



Tip The packet view on a Firepower Management Center does not contain packet information when the **Transfer Packet** option is disabled for the device detecting the event.

The packet view indicates why a specific packet was captured by providing information about the intrusion event that the packet triggered, including the event's time stamp, message, classification, priority, and, if the event was generated by a standard text rule, the rule that generated the event. The packet view also provides general information about the packet, such as its size.

In addition, the packet view has a section that describes each layer in the packet: data link, network, and transport, as well as a section that describes the bytes that comprise the packet. If the system decrypted the packet, you can view the decrypted bytes. You can expand collapsed sections to display detailed information.



Note Because each portscan event is triggered by multiple packets, portscan events use a special version of the packet view.

In a multidomain deployment, you can view data for the current domain and for any descendant domains. You cannot view data from higher level or sibling domains.

Procedure

- Step 1** On the table view of intrusion events, choose packets to view as described in [Intrusion Event Table View Constraints, on page 24](#).
- Step 2** Optionally, if you chose more than one event, you can page through the packets in the packet view by using the page numbers at the bottom of the page.
- Step 3** You also have the following options:
 - Adjust — To modify the date and time range in the packet views, see [Changing the Time Window](#).
 - Configure — To configure the intrusion rule that triggered the event, click the arrow next to Actions and continue as described in [Configuring Intrusion Rules within the Packet View, on page 29](#).

- **Delete** — To delete an event from the database, click **Delete** to delete the event whose packet you are viewing or click **Delete All** to delete all the events whose packets you previously selected.
- **Download** — To download a local copy of the packet (a packet capture file in libpcap format) that triggered the event, click **Download Packet** to save a copy of the captured packet for the event you are viewing or click **Download All Packets** to save copies of the captured packets for all the events whose packets you previously selected. The captured packet is saved in libpcap format. This format is used by several popular protocol analyzers.

Note

You cannot download a portscan packet because single portscan events are based on multiple packets; however, the portscan view provides all usable packet information. You must have at least 15% available disk space in order to download.

- **Mark reviewed** — To mark an event reviewed to remove it from event views, but not the event database, click **Review** to mark the event whose packet you are viewing or click **Review All** to mark all the events whose packets you previously selected. For more information, see [Marking Intrusion Events Reviewed, on page 17](#).
- **View additional information** — To expand or collapse a page section, click the arrow next to the section. For details, see [Event Information Fields, on page 26](#), [Frame Information Fields, on page 32](#), and [Data Link Layer Information Fields, on page 33](#).
- **View network layer information** — See [Viewing Network Layer Information, on page 34](#).
- **View packet byte information** — See [Viewing Packet Byte Information, on page 39](#).
- **View transport layer information** — See [Viewing Transport Layer Information, on page 36](#)

Related Topics

[Portscan Detection](#)

Event Information Fields

On the packet view, you can view information about the packet in the Event Information section.

Event

The event message. For rule-based events, this corresponds to the rule message. For other events, this is determined by the decoder or preprocessor.

The ID for the event is appended to the message in the format (GID:SID:Rev). GID is the generator ID of the rules engine, the decoder, or the preprocessor that generated the event. SID is the identifier for the rule, decoder message, or preprocessor message. Rev is the revision number of the rule.

Timestamp

The time that the packet was captured, in UTC time zone.

Classification

The event classification. For rule-based events, this corresponds to the rule classification. For other events, this is determined by the decoder or preprocessor.

Priority

The event priority. For rule-based events, this corresponds to either the value of the `priority` keyword or the value for the `classtype` keyword. For other events, this is determined by the decoder or preprocessor.

Ingress Security Zone

The ingress security zone of the packet that triggered the event. Only this security zone field is populated in a passive deployment.

Egress Security Zone

The egress security zone of the packet that triggered the event. This field is not populated in a passive deployments

Domain

The domain where the managed device belongs. This field is only present if you have ever configured the FMC for multitenancy.

Device

The managed device where the access control policy was deployed.

Security Context

The metadata identifying the virtual firewall group through which the traffic passed. Note that the system only populates this field for ASA FirePOWER in multiple context mode.

Ingress Interface

The ingress interface of the packet that triggered the event. Only this interface column is populated for a passive interface.

Egress Interface

For an inline set, the egress interface of the packet that triggered the event.

Source/Destination IP

The host IP address or domain name where the packet that triggered the event (source) originated, or the target (destination) host of the traffic that triggered the event.

Source Port/ICMP Type

Source port of the packet that triggered the event. For ICMP traffic, where there is no port number, the system displays the ICMP type.

Destination Port/ICMP Code

The port number for the host receiving the traffic. For ICMP traffic, where there is no port number, the system displays the ICMP code.

Email Headers

The data that was extracted from the email header. Note that email headers do not appear in the table view of intrusion events, but you can use email header data as a search criterion.

To associate email headers with intrusion events for SMTP traffic, you must enable the SMTP preprocessor **Log Headers** option. For rule-based events, this row appears when email data is extracted.

HTTP Hostname

The host name, if present, extracted from the HTTP request Host header. This row displays the complete host name, up to 256 bytes. You can expand the complete host name if it is longer than a single row.

To display host names, you must enable the HTTP Inspect preprocessor **Log Hostname** option.

Note that HTTP request packets do not always include a host name. For rule-based events, this row appears when the packet contains the HTTP host name or the HTTP URI.

HTTP URI

The normalized URI, if present, associated with the HTTP request packet that triggered the intrusion event. This row displays the complete URI, up to 2048 bytes. You can expand the complete URI if it is longer than a single row.

To display the URI, you must enable the HTTP Inspect preprocessor **Log URI** option.

Note that HTTP request packets do not always include a URI. For rule-based events, this row appears when the packet contains the HTTP host name or the HTTP URI.

To see the associated HTTP URI in intrusion events triggered by HTTP responses, you should configure HTTP server ports in the **Perform Stream Reassembly on Both Ports** option; note, however, that this increases resource demands for traffic reassembly.

Intrusion Policy

The intrusion policy, if present, where the intrusion, preprocessor, or decoder rule that generated the intrusion event was enabled. You can choose an intrusion policy as the default action for an access control policy or associate an intrusion policy with an access control rule.

Access Control Policy

The access control policy that includes the intrusion policy where the intrusion, preprocessor, or decoder rule that generated the event is enabled.

Access Control Rule

The access control rule associated with an intrusion rule that generated the event. Default Action indicates that the intrusion policy where the rule is enabled is not associated with an access control rule but, instead, is configured as the default action of the access control policy.

Rule

For standard text rule events, the rule that generated the event.

Note that if the event is based on a shared object rule, a decoder, or a preprocessor, the rule is not available.

Because rule data may contain sensitive information about your network, administrators may toggle users' ability to view rule information in the packet view with the View Local Rules permission in the user role editor.

Actions

For standard text and custom rule events, expand **Actions** to take any of the following actions on the rule that triggered the event:

- edit the rule
- view documentation for the revision of the rule; for standard text rules only, after clicking **View Documentation** under Actions, you can click **Rule Documentation** in the documentation pop-up window to view more-specific rule details.
- add a comment to the rule
- change the state of the rule
- set a threshold for the rule
- suppress the rule

Note that if the event is based on a shared object rule, a decoder, or a preprocessor, the rule is not available.

Configuring Intrusion Rules within the Packet View

Within the packet view of an intrusion event, you can take several actions on the rule that triggered the event. Note that if the event is based on a shared object rule, a decoder, or a preprocessor, the rule is not available.

Procedure

-
- Step 1** Within the packet view of an intrusion event that was generated by an intrusion rule, expand **Actions** in the Event Information section.
- Step 2** You have the following choices:
- **Comment** — For standard text rule events, click **Rule Comment** to add a text comment to the rule that generated the event. This allows you to provide additional context and information about the rule and the exploit or policy violation it identifies. You can also add and view rule comments in the intrusion rules editor.
 - **Disable** — To disable this rule, click one of the following options:
 - **Disable this rule in the current Snort 2 policy (<policy_name>)**
 - **Disable this rule in all locally created Snort 2 policies**

If this event is generated by a standard text rule, you can disable the rule, if necessary. You can set the rule in all policies that you can edit locally. Alternately, you can set the rule only in the current policy (that is, the policy that generated the event) if you can edit the current policy locally.

Note that the current policy option appears only when you can edit the current policy; for example, you can edit a custom policy, but you cannot edit a default policy provided by the system.

Note

You cannot disable shared object rules from the packet view, nor can you disable rules in the default policies.

- Drop packets and generate an event — To set the rule to drop packets that trigger it and generate an event, click one of the following options:
 - **Set this rule to drop the triggering packet and generate an event in the current Snort 2 policy (<policy_name>)**
 - **Set this rule to drop the triggering packet and generate an event in all locally created Snort 2 inline policies**

If your managed device is deployed inline on your network, you can set the rule that triggered the event to drop packets that trigger the rule in all policies that you can edit locally. Alternately, you can set the rule only in the current policy (that is, the policy that generated the event) if you can edit the current policy locally.

Note that the current policy option appears only when you can edit the current policy; for example, you can edit a custom policy, but you cannot edit a default policy provided by the system. Note also that this option appears only when **Drop when Inline** is enabled in the current policy.

- Edit — For standard text rule events, click **Edit** (to edit the Snort 2 rule) or **Edit Snort 3 Rule** to modify the rule that generated the event. If the event is based on a shared object rule, a decoder, or a preprocessor, the rule is not available.

Note

If you edit a system-provided rule (as opposed to a custom standard text rule), you actually create a new local rule. Make sure you set the local rule to generate events and also disable the original rule in the current intrusion policy. Note, however, that you cannot enable local rules in the default policies.

- Generate events — Click **Set this rule to generate events in all locally created Snort 2 policies** to set the rule to generate events.

If this event is generated by a standard text rule, you can set the rule to generate events in all policies that you can edit locally.

Note that the current policy option appears only when you can edit the current policy; for example, you can edit a custom policy, but you cannot edit a default policy provided by the system.

Note

You cannot set shared object rules to generate events from the packet view, nor can you disable rules in the default policies.

- Set suppression options — Expand **Set Suppression Options** and continue as described in [Setting Suppression Options within the Packet View, on page 31](#).

You can use this option to suppress the rule that triggered this event in all policies that you can edit locally. Alternately, you can suppress the rule only in the current policy (that is, the policy that generated the event) if you can edit the current policy locally.

Note that the current policy option appears only when you can edit the current policy; for example, you can edit a custom policy, but you cannot edit a default policy provided by Cisco.

- Set threshold options — Expand **Set Thresholding Options** and continue as described in [Setting Threshold Options within the Packet View, on page 31](#).

You can use this option to create a threshold for the rule that triggered this even in all policies that you can edit locally. Alternately, you create a threshold only for the current policy (that is, the policy that generated the event) if you can edit the current policy locally.

Note that the current policy option appears only when you can edit the current policy; for example, you can edit a custom policy, but you cannot edit a default intrusion policy provided by the system.

- View documentation — Click **View Documentation** to learn more about the rule that generated the event. Optionally, then click **Rule Documentation** to view more-specific rule details.

Setting Threshold Options within the Packet View

You can control the number of events that are generated per rule over time by setting the threshold options in the packet view of an intrusion event. You can set threshold options in all policies that you can edit locally or, when it can be edited locally, only in the in the current policy (that is, the policy that caused the event to be generated).

Procedure

-
- | | |
|---------------|---|
| Step 1 | Within the packet view of an intrusion event that was generated by an intrusion rule, expand Actions in the Event Information section. |
| Step 2 | Expand Set Thresholding Options and choose one of the two possible options: <ul style="list-style-type: none"> • in the current Snort 2 policy (<policy_name>) • in all locally created Snort 2 policies |
| Step 3 | Choose the type of threshold you want to set: <ul style="list-style-type: none"> • Click limit to limit notification to the specified number of event instances per time period. • Click threshold to provide notification for each specified number of event instances per time period. • Click both to provide notification once per time period after a specified number of event instances. |
| Step 4 | Click the appropriate threshold to indicate whether you want the event instances tracked by Source or Destination IP address. |
| Step 5 | In the Count field, enter the number of event instances you want to use as your threshold. |
| Step 6 | In the Seconds field, enter a number between 1 and 86400 that specifies the time period for which event instances are tracked. |
| Step 7 | If you want to override any current thresholds for this rule in existing intrusion policies, check the Override any existing settings for this rule check box. |
| Step 8 | Click Save Thresholding . |
-

Setting Suppression Options within the Packet View

You can use the suppression options to suppress intrusion events altogether, or based on the source or destination IP address. You can set suppression options in all policies that you can edit locally. Alternately, you can set

suppression options only in the current policy (that is, the policy that generated the event) when the current policy can be edited locally.

Procedure

-
- Step 1** Within the packet view of an intrusion event that was generated by an intrusion rule, expand **Actions** in the Event Information section.
- Step 2** Expand **Set Suppression Options** and click one of the two possible options:
- in the current Snort 2 policy (<policy_name>)
 - in all locally created Snort 2 policies
- Note**
The current policy option appears only when you can edit the current policy; for example, you can edit a custom policy, but you cannot edit a default policy provided by Cisco.
- Step 3** Choose one of the following **Track By** options:
- Click **Source** to suppress events generated by packets originating from a specified source IP address.
 - Click **Destination** to suppress events generated by packets going to a specified destination IP address.
 - Click **Rule** to completely suppress events for the rule that triggered this event.
- Step 4** In the **IP address or CIDR block** field, enter the IP address or CIDR block/prefix length you want to specify as the source or destination IP address.
- Step 5** Click **Save Suppression**.
-

Related Topics

[IP Address Conventions](#)

Frame Information Fields

On the packet view, click the arrow next to **Frame** to view information about the captured frame. The packet view may display a single frame or multiple frames. Each frame provides information about an individual network packet. You would see multiple frames, for example, in the case of tagged packets or packets in reassembled TCP streams.

Frame n

The captured frame, where *n* is 1 for single-frame packets and the incremental frame number for multi-frame packets. The number of captured bytes in the frame is appended to the frame number.

Arrival Time

The date and time the frame was captured.

Time delta from previous captured frame

For multi-frame packets, the elapsed time since the previous frame was captured.

Time delta from previous displayed frame

For multi-frame packets, the elapsed time since the previous frame was displayed.

Time since reference or first frame

For multi-frame packets, the elapsed time since the first frame was captured.

Frame Number

The incremental frame number.

Frame Length

The length of the frame in bytes.

Capture Length

The length of the captured frame in bytes.

Frame is marked

Whether the frame is marked (true or false).

Protocols in frame

The protocols included in the frame.

Related Topics

[The tag Keyword](#)

[TCP Stream Reassembly](#)

Data Link Layer Information Fields

On the packet view, click the arrow next to the data link layer protocol (for example, **Ethernet II**) to view the data link layer information about the packet, which contains the 48-bit media access control (MAC) addresses for the source and destination hosts. It may also display other information about the packet, depending on the hardware protocol.



Note Note that this example discusses Ethernet link layer information; other protocols may also appear.

The packet view reflects the protocol used at the data link layer. The following listing describes the information you might see for an Ethernet II or IEEE 802.3 Ethernet packet in the packet view.

Destination

The MAC address for the destination host.



Note Ethernet can also use multicast and broadcast addresses as the destination address.

Source

The MAC address for the source host.

Type

For Ethernet II packets, the type of packet that is encapsulated in the Ethernet frame; for example, IPv6 or ARP datagrams. Note that this item only appears for Ethernet II packets.

Length

For IEEE 802.3 Ethernet packets, the total length of the packet, in bytes, not including the checksum. Note that this item only appears for IEEE 802.3 Ethernet packets.

Viewing Network Layer Information

Procedure

On the packet view, click the arrow next to the network layer protocol (for example, **Internet Protocol**) to view more detailed information about network layer information related to the packet.

Note

Note that this example discusses IP packets; other protocols may also appear.

IPv4 Network Layer Information Fields

The following listing describes protocol-specific information that might appear in an IPv4 packet.

Version

The Internet Protocol version number.

Header Length

The number of bytes in the header, including any IP options. An IP header with no options is 20 bytes long.

Differentiated Services Field

The values for differentiated services that indicate how the sending host supports Explicit Congestion Notification (ECN):

- 0x0 — does not support ECN-Capable Transport (ECT)
- 0x1 and 0x2 — supports ECT
- 0x3 — Congestion Experienced (CE)

Total Length

The length of the IP packet, in bytes, minus the IP header.

Identification

The value that uniquely identifies an IP datagram sent by the source host. This value is used to trace fragments of the same datagram.

Flags

The values that control IP fragmentation, where:

values for the Last Fragment flag indicate whether there are more fragments associated with the datagram:

- 0 — there are no more fragments associated with the datagram
- 1 — there are more fragments associated with the datagram

values for the Don't Fragment flag control whether the datagram can be fragmented:

- 0 — the datagram can be fragmented
- 1 — the datagram must **not** be fragmented

Fragment Offset

The value for the fragment offset from the beginning of the datagram.

Time to Live (ttl)

The remaining number of hops that the datagram can make between routers before the datagram expires.

Protocol

The transport protocol that is encapsulated in the IP datagram; for example, ICMP, IGMP, TCP, or UDP.

Header Checksum

The indicator for whether the IP checksum is valid. If the checksum is invalid, the datagram may have been corrupted during transit or may be being used in an intrusion evasion attempt.

Source/Destination

The IP address or domain name for the source (or destination) host.

Note that to display the domain name, you must enable IP address resolution.

Click the address or domain name to view the context menu, then select **Whois** to do a whois search on the host, **View Host Profile** to view host information, or choose an option to add the address to a global Block list or Do-Not-Block list.

IPv6 Network Layer Information Fields

The following listing describes protocol-specific information that might appear in an IPv6 packet.

Traffic Class

An experimental 8-bit field in the IPv6 header for identifying IPv6 packet classes or priorities similar to the differentiated services functionality provided for IPv4. When unused, this field is set to zero.

Flow Label

A optional 20-bit IPv6 hexadecimal value 1 to FFFFF that identifies a special flow such as non-default quality of service or real-time service. When unused, this field is set to zero.

Payload Length

A 16-bit field identifying the number of octets in the IPv6 payload, which is comprised of all of the packet following the IPv6 header, including any extension headers.

Next Header

An 8-bit field identifying the type of header immediately following the IPv6 header, using the same values as the IPv4 Protocol field.

Hop Limit

An 8-bit decimal integer that each node that forwards the packet decrements by one. The packet is discarded if the decremented value reaches zero.

Source

The 128-bit IPv6 address for the source host.

Destination

The 128-bit IPv6 address for the destination host.

Viewing Transport Layer Information

Procedure

-
- Step 1** On the packet view, click the arrow next to the transport layer protocol (for example, **TCP**, **UDP**, or **ICMP**).
 - Step 2** Optionally, click **Data** when present to view the first twenty-four bytes of the payload for the protocol immediately above it in the Packet Information section of the packet view.
 - Step 3** View the contents of the transport layer for TCP, UDP, and ICMP protocols as described in [TCP Packet View Fields, on page 36](#), [UDP Packet View Fields, on page 37](#), or [ICMP Packet View Fields, on page 38](#).

Note

Note that these examples discuss TCP, UDP, and ICMP packets; other protocols may also appear.

TCP Packet View Fields

This section describes the protocol-specific information for a TCP packet.

Source port

The number that identifies the originating application protocol.

Destination port

The number that identifies the receiving application protocol.

Sequence number

The value for the first byte in the current TCP segment, keyed to initial sequence number in the TCP stream.

Next sequence number

In a response packet, the sequence number of the next packet to send.

Acknowledgement number

The TCP acknowledgement, which is keyed to the sequence number of the previously accepted data.

Header Length

The number of bytes in the header.

Flags

The six bits that indicate the TCP segment's transmission state:

- **U** — the urgent pointer is valid
- **A** — the acknowledgement number is valid
- **P** — the receiver should push data
- **R** — reset the connection
- **S** — synchronize sequence numbers to start a new connection
- **F** — the sender has finished sending data

Window size

The amount of unacknowledged data, in bytes, that the receiving host will accept.

Checksum

The indicator for whether the TCP checksum is valid. If the checksum is invalid, the datagram may have been corrupted during transit or may be being used in an evasion attempt.

Urgent Pointer

The position, if present, in the TCP segment where the urgent data ends. Used in conjunction with the **U** flag.

Options

The values, if present, for TCP options.

UDP Packet View Fields

This section describes the protocol-specific information for a UDP packet.

Source port

The number that identifies the originating application protocol.

Destination port

The number that identifies the receiving application protocol.

Length

The combined length of the UDP header and data.

Checksum

The indicator for whether the UDP checksum is valid. If the checksum is invalid, the datagram may have been corrupted during transit.

ICMP Packet View Fields

This section describes the protocol-specific information for an ICMP packet.

Type

The type of ICMP message:

- 0 — echo reply
- 3 — destination unreachable
- 4 — source quench
- 5 — redirect
- 8 — echo request
- 9 — router advertisement
- 10 — router solicitation
- 11 — time exceeded
- 12 — parameter problem
- 13 — timestamp request
- 14 — timestamp reply
- 15 — information request (obsolete)
- 16 — information reply (obsolete)
- 17 — address mask request
- 18 — address mask reply

Code

The accompanying code for the ICMP message type. ICMP message types 3, 5, 11, and 12 have corresponding codes as described in RFC 792.

Checksum

The indicator for whether the ICMP checksum is valid. If the checksum is invalid, the datagram may have been corrupted during transit.

Viewing Packet Byte Information

Procedure

On the packet view, click the arrow next to **Packet Bytes** to view hexadecimal and ASCII versions of the bytes that comprise the packet. If the system decrypted traffic, you can view the decrypted packet bytes.

Internally Sourced Intrusion Events

Intrusion events coming from internal sources indicate a compromised host on your network. If the source IP address is on your network, this is a sign that you should investigate this host.

Viewing Intrusion Event Statistics

The Intrusion Event Statistics page provides you with a quick summary of the current state of your appliance and any intrusion events generated for your network.

Each of the IP addresses, ports, protocols, event messages, and so on shown on the page is a link. Click any link to view the associated event information. For example, if one of the top 10 destination ports is 80 (`http/tcp`), clicking that link displays the first page in the default intrusion events workflow, and lists the events targeting that port. Note that only the events (and the managed devices that generate events) in the current time range appear. Also, intrusion events that you have marked reviewed continue to appear in the statistics. For example, if the current time range is the past hour but the first event was generated five hours ago, when you click the **First Event** link, the resulting event pages will not show the event until you change the time range.

In a multidomain deployment, you can view data for the current domain and for any descendant domains. You cannot view data from higher level or sibling domains.

Procedure

-
- Step 1** Choose **Overview > Summary > Intrusion Event Statistics**.
 - Step 2** From the two selection boxes at the top of the page, choose the zones and devices whose statistics you want to view, or choose **All Security Zones** and **All Devices** to view statistics for all the devices that are collecting intrusion events.
 - Step 3** Click **Get Statistics**.

Tip

To view data from a custom time range, click the link in the upper right page area and follow the directions in [Changing the Time Window](#).

Host Statistics

The Host Statistics section of the Intrusion Event Statistics page provides information about the appliance itself. On the Firepower Management Center, this section also provides information about any managed devices.

This information includes the following:

Time

The current time on the appliance.

Uptime

The number of days, hours, and minutes since the appliance itself was restarted. On the Firepower Management Center, the uptime also shows the last time each managed device was rebooted, the number of users logged in, and the load average.

Disk Usage

The percentage of the disk that is being used.

Memory Usage

The percentage of system memory that is being used.

Load Average

The average number of processes in the CPU queue for the past 1 minute, 5 minutes, and 15 minutes.

Event Overview

The Event Overview section of the Intrusion Event Statistics page provides an overview of the information in the intrusion event database.

These statistics include the following:

Events

The number of events in the intrusion event database.

Events in Time Range

The currently selected time range as well as the number and percentage of events from the database that fall within the time range.

First Event

The event message for the first event in the event database.

Last Event

The event message for the last event in the event database.



Note If you select a managed device while viewing intrusion event data on the Firepower Management Center, the Event Overview section for that device appears instead.

Event Statistics

The Event Statistics section of the Intrusion Event Statistics page provides more specific information about the information in the intrusion event database.

This information includes details on:

- the top 10 event types
- the top 10 source IP addressees
- the top 10 destination IP addresses
- the top 10 destination ports
- the protocols, ingress and egress security zones, and devices with the greatest number of events



Note In a multidomain deployment, the system builds a separate network map for each leaf domain. As a result, a leaf domain can contain an IP address that is unique within its network, but identical to an IP address in another leaf domain. When you view event statistics in an ancestor domain, the system may display multiple instances of that repeated IP address. At first glance, they might appear to be duplicate entries. However, if you drill down to the host profile information for each IP address, the system shows that they belong to different leaf domains.

Viewing Intrusion Event Performance Graphs

The intrusion event performance page allows you to generate graphs that depict performance statistics for intrusion events over a specific period of time for a Firepower Management Center or a managed device. Graphs can be generated to reflect number of intrusion events per second, number of megabits per second, average number of bytes per packet, the percent of packets uninspected by Snort, and the number of packets blocked as the result of TCP normalization. These graphs can show statistics for the last hour, last day, last week, or last month of operation.



Note New data is accumulated for statistics graphs every five minutes. Therefore, if you reload a graph quickly, the data may not change until the next five-minute increment occurs. Each graph displays *average* values in the intervals shown (day, hour, or five minutes) for the selected time period (last month, week, day, or hour). Decimal values are displayed when the average is less than one.

In a multidomain deployment, you can view data for the current domain and for any descendant domains. You cannot view data from higher level or sibling domains.

Procedure

-
- Step 1** Choose **Overview > Summary > Intrusion Event Performance**.
- Step 2** From the **Select Device** list, choose the devices whose data you want to view.
- Step 3** From the **Select Graph(s)** list, choose the type of graph you want to create as described in [Intrusion Event Performance Statistics Graph Types, on page 42](#).
- Step 4** From the **Select Time Range** list, choose the time range you would like to use for the graph.
- Step 5** Click **Graph**.
- Step 6** To save the graph, right-click it and follow the instructions for your browser to save the image.
-

Intrusion Event Performance Statistics Graph Types

The following table lists the available graph types. Note that graph types display differently if they are populated with data affected by the network analysis policy **Inline Mode** setting. If **Inline Mode** is disabled, the graph types marked with an asterisk (*) in the web interface (a **yes** in the column below) populate with data about the traffic the system would have modified or dropped if **Inline Mode** was enabled..

Table 7: Intrusion Event Performance Graph Types

To generate data for...	You must...	Which represents...	Affected by Inline Mode?
Avg Bytes/Packet	n/a	the average number of bytes included in each packet.	no
ECN Flags Normalized in TCP Traffic/Packet	enable Explicit Congestion Notification and select Packet	the number of packets for which ECN flags have been cleared on a per-packet basis regardless of negotiation.	yes
ECN Flags Normalized in TCP Traffic/Session	enable Explicit Congestion Notification and select Stream	the number of times that ECN flags have been cleared on a per-stream basis when ECN use was not negotiated.	yes
Events/Sec	n/a	the number of events per second generated on the device.	no
ICMPv4 Echo Normalizations	enable Normalize ICMPv4	the number of ICMPv4 packets for which the 8-bit Code field in Echo (Request) or Echo Reply messages were cleared.	yes
ICMPv6 Echo Normalizations	enable Normalize ICMPv6	the number of ICMPv6 packets for which the 8-bit Code field in Echo (Request) or Echo Reply messages was cleared.	yes
IPv4 DF Flag Normalizations	enable Normalize IPv4 and Normalize Don't Fragment Bit	the number of IPv4 packets for which the single-bit Don't Fragment subfield of the IPv4 Flags header field was cleared.	yes

To generate data for...	You must...	Which represents...	Affected by Inline Mode?
IPv4 Options Normalizations	enable Normalize IPv4	the number of IPv4 packets for which the option octet was set to 1 (No Operation).	yes
IPv4 Reserved Flag Normalizations	enable Normalize IPv4 and Normalize Reserved Bit	the number of IPv4 packets for which the single-bit Reserved subfield of the IPv4 Flags header field was cleared.	yes
IPv4 Resize Normalizations	enable Normalize IPv4	the number of IPv4 packets with excessive-length payload that have been truncated to the datagram length specified in the IP header.	yes
IPv4 TOS Normalizations	enable Normalize IPv4 and Normalize TOS Bit	the number of IPv4 packets for which the one-byte Differentiated Services (DS) field (formerly known as the Type of Service (TOS) field) was cleared.	yes
IPv4 TTL Normalizations	enable Normalize IPv4 , Maximum TTL , and Reset TTL	the number of IPv4 Time to Live normalizations.	yes
IPv6 Options Normalizations	enable Normalize IPv6	the number of IPv6 packets for which the Option Type field in the Hop-by-Hop Options or Destination Options extension header was set to 00 (Skip and continue processing).	yes
IPv6 TTL Normalizations	enable Normalize IPv6 , Minimum TTL , and Reset TTL	the number of IPv6 Hop Limit (TTL) normalizations.	yes
Mbits/Sec	n/a	the number of megabits per second of traffic that passes through the device.	no
Packet Resized to Fit MSS Normalizations	enable Trim Data to MSS	the number of packets for which the payload was longer than the TCP Data field, so the payload was trimmed to the Maximum Segment Size.	yes
Packet Resized to Fit TCP Window Normalizations	enable Trim Data to Window	the number of packets for which the TCP Data field was trimmed to fit the receiving host's TCP window.	yes
Percent Packets Dropped	n/a	the average percentage of uninspected packets across all selected devices. For example, if you select two devices, then an average of 50% may indicate that one device has a 90% drop rate and the other has a 10% drop rate. It may also indicate that both devices have a drop rate of 50%. The graph only represents the total % drop when you select a single device.	no
RST Packets With Data Stripped Normalizations	enable Remove Data on RST	the number of packets for which data was removed from a TCP reset (RST) packet.	yes

To generate data for...	You must...	Which represents...	Affected by Inline Mode?
SYN Packets With Data Stripped Normalizations	enable Remove Data on SYN	the number of packets for which data was removed from SYN packets when the TCP operating system was not Mac OS.	yes
TCP Header Padding Normalizations	enable Normalize/Clear Option Padding Bytes	the number of TCP packets in which option padding bytes were set to 0.	yes
TCP No Option Normalizations	enable Allow These TCP Options and set to an option other than <i>any</i>	the number of packets from which the Time Stamp option was stripped.	yes
TCP NS Flag Normalizations	enable Explicit Congestion Notification and select Packet	the number of ECN Nonce Sum (NS) option normalizations.	yes
TCP Options Normalizations	enable Allow These TCP Options and set to an option other than <i>any</i>	the number of options (excluding MSS, Window Scale, Time Stamp, and explicitly allowed options) for which the option field is set to No Operation (TCP Option 1).	yes
TCP Packets Blocked By Normalizations	enable Normalize TCP Payload (segment reassembly must fail)	the number of packets dropped because the TCP segments could not be properly reassembled.	yes
TCP Reserved Flags Normalizations	enable Normalize/Clear Reserved Bits	the number of TCP packets where the Reserved bits have been cleared.	yes
TCP Segment Reassembly Normalizations	enable Normalize TCP Payload (segment reassembly must be successful)	the number of packets for which the TCP Data field was normalized to ensure consistency in retransmitted data (any segments that cannot be properly reassembled are dropped).	yes
TCP SYN Option Normalizations	enable Allow These TCP Options and set to an option other than <i>any</i>	the number of options for which the Maximum Segment Size or Window Scale option was set to No Operation (TCP Option 1) because the SYN control bit was not set.	yes
TCP Timestamp ECR Normalizations	enable Allow These TCP Options and set to an option other than <i>any</i>	the number of packets for which the Time Stamp Echo Reply (TSer) option field was cleared because the Acknowledgment (ACK) control bit was not set.	yes
TCP Urgent Pointer Normalizations	enable Normalize Urgent Pointer	the number of packets for which the two-byte TCP header Urgent Pointer field was greater than the payload length and was set to the payload length.	yes
Total Blocked Packets	configure Inline Mode or Drop when Inline	the total number of dropped packets, including rule, decoder, and preprocessor drops.	no
Total Injected Packets	configure Inline Mode	the number of packets that were resized before being retransmitted.	no

To generate data for...	You must...	Which represents...	Affected by Inline Mode?
Total TCP Filtered Packets	configure TCP Stream Preprocessing	the number of packets skipped by the stream because of TCP port filtering.	no
Total UDP Filtered Packets	configure UDP Stream Preprocessing	the number of packets skipped by the stream because of UDP port filtering.	no
Urgent Flag Cleared Normalizations	enable Clear URG if Urgent Pointer is Not Set	the number of packets for which the TCP header URG control bit was cleared because the urgent pointer was not set.	yes
Urgent Pointer and Urgent Flag Cleared Normalizations	enable Clear Urgent Pointer/URG on Empty Payload	the number of packets for which the TCP header Urgent Pointer field and the URG control bit have been cleared because there was no payload.	yes
Urgent Pointer Cleared Normalizations	enable Clear Urgent Pointer if URG=0	the number of packets for which the 16-bit TCP header Urgent Pointer field was cleared because the urgent (URG) control bit was not set.	yes

Related Topics

[The Inline Normalization Preprocessor](#)
[Preprocessor Traffic Modification in Inline Deployments](#)
[Drop Behavior in an Inline Deployment](#)

Viewing Intrusion Event Graphs

The system provides graphs that show you intrusion event trends over time. You can generate intrusion event graphs over time ranging from the last hour to the last month, for one or all managed devices.

In a multidomain deployment, you can view data for the current domain and for any descendant domains. You cannot view data from higher level or sibling domains.

Procedure

-
- Step 1** Choose **Overview > Summary > Intrusion Event Graphs**.
 - Step 2** Under **Select Device**, choose **all** to include all devices, or choose the specific device you want to include in the graph.
 - Step 3** Under **Select Graph(s)**, choose the type of graph you want to generate:
 - Top 10 Destination Ports
 - Top 10 Source IP Addresses
 - Top 10 Event Messages
 - Step 4** Under **Select Time Range**, choose the time range for the graph:
 - Last Hour
 - Last Day

- Last Week
- Last Month

Step 5 Click **Graph**.

History for Intrusion Events

Feature	Minimum FMC	Minimum FTD	Details
IPS Events Datastore Replacement	7.1	Any	• Intrusion incidents, the intrusion event clipboard, and default custom tables (that use the intrusion event columns - Intrusion Events with Source Criticality and Intrusion Events with Destination Criticality) are deprecated. You can no longer add events to the clipboard using the Copy and Copy All buttons. Deprecated pages: • Analysis > Intrusions > Clipboard • Analysis > Intrusions > Incidents • Two new fields are added to the main intrusion event table - Source Host Criticality and Destination Host Criticality. Supported platforms: Firepower Management Center
Unique identifier for connection event in syslogs	6.4.0.4	Any	The following syslog fields collectively uniquely identify a connection event and appear in syslogs for intrusion events: DeviceUUID, First Packet Time, Connection Instance ID, and Connection Counter.
IntrusionPolicy field is now included in syslog	6.4	Any	Intrusion event syslogs now specify the intrusion policy that triggered the event.
New intrusion event search field: CVE ID	6.4	Any	You can now search by MITRE's Common Vulnerabilities and Exposures identification number Modified screens: Analysis > Intrusions > Events > Edit Search Supported Platforms: All.