Flow Analytics

Flow Analytics - Traffic Summary

This view provides detailed visibility, filtering and analysis for events recorded by Multicloud Defense from either a forward or reverse gateway proxy. Traffic Summary events contribute to one of three event types: `Firewall Events`, `Network Events` and `Web Attacks`.

Traffic Summary

Tables and Fields available in Session Summary are as follows:

Event Details	Description
Date and Time	ISO 8601 format: YYYY-MM-DD T HH:MM:SS:S Example: `2020-11-22T10:58:46.820`
CSP Account	Multicloud Defense CSP Account
Gateway	Multicloud Defense Gateway
Region	Region of the Multicloud Defense Gateway
Level	INFO
Session ID	..

Client-side Connection	Description
Src IP	Source IP Address

Client-side Connection	Description
Src Port	Source Port
Dest IP	Destination IP Address
Dest Port	Destination Port
Protocol	UDP, TCP

Client-side Stats	Traffic between client and Multicloud Defense Gateway
Received Bytes	Number of bytes received from client
Transmitted Bytes	Number of bytes sent to client
Received Packets	Number of packets received from client
Transmitted Packets	Number of packets sent to client

Policy Match Info	Description
Dest Address Group	Destination Address Group configured in the matched policy rule
Src Address Group	Source Address Group configured in the matched policy rule
Request SNI	Server Name Indication in the request
Service Type	Service Type. Example: `PROXY`
Src Country	Country that the request originated from on the client-side
Dest Country	Country that the request was destined to on the server-side. Example: `United States`

Server-side Connection	Description
Src IP	Source IP Address
Src Port	Source Port
Dest IP	Destination IP Address
Dest Port	Destination Port
Protocol	UDP, TCP

Server-side Stats	Traffic between Multicloud Defense Gateways and server
Received Bytes	Number of bytes received from server
Transmitted Bytes	Number of bytes sent to server

Server-side Stats	Traffic between Multicloud Defense Gateways and server
Received Packets	Number of packets received from server
Transmitted Packets	Number of packets sent to server

Application Info	Description
Client App Name	Application name associated with client side of the session. Example: `Advanced Packaging Tool`
Payload App Name	HTTP application name associated with webserver host. Example: `Facebook`
Service App Name	Application name associated with server side of the session. Example: `HTTP`

Action	Description
Action	ALLOW, DENY

Cloud Service	Description
Cloud Service	Name of the destination cloud service accessed with the request. Example `AMAZON, EC2`

Src Instance Info	Description
Instance ID	Client instance ID
Instance Name	Client instance name (and provides ability to see tags)
VPC ID	Client VPC ID

HTTP Request	Description
Host	Host portion of URL
Method	GET, PUT, POST, HEAD, DELETE, PATCH, OPTIONS
URI	URI Identifier RFC 3986

Rule	Description
ID	ID number/description of Multicloud Defense Rule. Example `59 (egress-prod-apt-80).`

FQDN	Description
FQDN	Fully Qualified Domain Name
Category Name	Category classification of the FQDN. Example: `Social Media`

FQDN	Description
Reputation	Reputation score of the FQDN

Flow Analytics - All Events

Flow Analytics - All Events provides overall visibility into network and security events from the entire Multicloud Defense solution.

Tables and Fields available in All Events are as follows:

Event Details	Description
Date and Time	ISO 8601 format: YYYY-MM-DD T HH:MM:SS:S Example: `2020-11-22T10:58:46.820`.
Type	APPID, AV, DLP, DPI, FLOW_LOG, FQDNFILTER, L4_FW, L7DOS, MALICIOUS_SRC, SNI, TLS_ERROR, TLS_LOG, URLFILTER.
CSP Account	Multicloud Defense CSP Account.
Gateway	Multicloud Defense Gateway.
Region	Region of the Multicloud Defense Gateway.
Level	DEBUG, INFO, NOTICE, WARNING, ERROR, CRITICAL, ALERT, EMERGENCY.
Session ID	..

Service	Description
Src IP	Source IP Address.
Src Port	Source Port.
Dest IP	Destination IP Address.
Dest Port	Destination Port.
Protocol	UDP, TCP.

Application Info	Description
Client App Name	Application name associated with client side of the session. Example: `Advanced Packaging Tool`.
Payload App Name	HTTP application name associated with webserver host. Example: `Facebook`.

Application Info	Description
Service App Name	Application name associated with server side of the session. Example: `HTTP`.

Action	Description
Action	ALLOW, DENY.
State	ESTABLISHED, CLOSE, CLOSED, CLOSE_WAIT, TIME_WAIT, FIN_WAIT, LAST_ACK.

HTTP Request	Description
Host	Host portion of URL.
Method	GET, PUT, POST, HEAD, DELETE, PATCH, OPTIONS.
URI	URI Identifier RFC 3986.

Rule	Description
ID	ID number/description of Multicloud Defense Rule. Example `59 (egress-prod-apt-80).`

FQDN	Description
FQDN	Fully Qualified Domain Name.
Category Name	Category classification of the FQDN. Example: `Social Media`.
Reputation	Reputation score of the FQDN.

Flow Analytics - Firewall Events

This view provides detailed visibility, filtering and analysis for events recorded by the Multicloud Defense Firewall configuration and summarized in `Firewall Events` category.

Tables and Fields available in Firewall Events are as follows:

Event Details	Description
Date and Time	ISO 8601 format: YYYY-MM-DD T HH:MM:SS:S Example: `2020-11-22T10:58:46.820`
Type	APPID, L4_FW, MALICIOUS_SRC, SNI
CSP Account	Multicloud Defense CSP Account
Gateway	Multicloud Defense Gateway

Event Details	Description
Region	Region of the Multicloud Defense Gateway
Level	DEBUG, INFO, NOTICE, WARNING, ERROR, CRITICAL, ALERT, EMERGENCY
Session ID	..

Service	Description
Src IP	Source IP Address
Src Port	Source Port
Dest IP	Destination IP Address
Dest Port	Destination Port
Protocol	UDP, TCP

Application Info	Description
Client App Name	Application name associated with client side of the session. Example: `Advanced Packaging Tool`
Payload App Name	HTTP application name associated with webserver host. Example: `Facebook`
Service App Name	Application name associated with server side of the session. Example: `HTTP`

Action	Description
Action	ALLOW, DENY
State	ESTABLISHED, CLOSE, CLOSED, CLOSE_WAIT, TIME_WAIT, FIN_WAIT, LAST_ACK

HTTP Request	Description
Host	Host portion of URL
Method	GET, PUT, POST, HEAD, DELETE, PATCH, OPTIONS
URI	URI Identifier RFC 3986

Rule	Description
ID	ID number/description of Multicloud Defense Rule. Example 59 (egress-prod-apt-80)

FQDN	Description
FQDN	Fully Qualified Domain Name
Category Name	Category classification of the FQDN. Example: `Social Media`
Reputation	Reputation score of the FQDN

Flow Analytics - Network Threats

This view provides detailed visibility, filtering and analysis for threats recorded by the Multicloud Defense threat analysis engine and summarized in `Network Threats`.

Network Threats

Tables and Fields available in Network Threats are as follows:

Event Details	Description
Date and Time	ISO 8601 format: YYYY-MM-DD T HH:MM:SS:S Example: `2020-11-22T10:58:46.820`
Type	AV, DLP, DPI
CSP Account	Multicloud Defense CSP Account
Gateway	Multicloud Defense Gateway
Region	Region of the Multicloud Defense Gateway
Level	DEBUG, INFO, NOTICE, WARNING, ERROR, CRITICAL, ALERT, EMERGENCY
Session ID	..

Service	Description
Src IP	Source IP Address
Src Port	Source Port
Dest IP	Destination IP Address
Dest Port	Destination Port
Protocol	UDP, TCP

Application Info	Description
Client App Name	Application name associated with client side of the session. Example: `Advanced Packaging Tool`

Application Info	Description
Payload App Name	HTTP application name associated with webserver host. Example: `Facebook`
Service App Name	Application name associated with server side of the session Example: `HTTP`

Action	Description
Action	ALLOW, DENY
State	ESTABLISHED, CLOSE, CLOSED, CLOSE_WAIT, TIME_WAIT, FIN_WAIT, LAST_ACK

HTTP Request	Description
Host	Host portion of URL
Method	GET, PUT, POST, HEAD, DELETE, PATCH, OPTIONS
URI	URI Identifier RFC 3986

FQDN	Description
FQDN	Fully Qualified Domain Name
Category Name	Category classification of the FQDN. Example: `Social Media`
Reputation	Reputation score of the FQDN

Rule	Description
ID	ID number/description of Multicloud Defense Rule. Example 59 (egress-prod-apt-80)

Flow Analytics - Web Attacks

This view provides detailed visibility, filtering and analysis for threats recorded by the Multicloud Defense web protection engine. The `Web Attacks` event types include WAF and L7DOS.

Web Attacks

Tables and Fields available in Web Attacks are as follows:

Event Details	Description
Date and Time	ISO 8601 format: YYYY-MM-DD T HH:MM:SS:S Example: `2020-11-22T10:58:46.820`
Type	L7DOS, WAF

Event Details	Description
CSP Account	Multicloud Defense CSP Account
Gateway	Multicloud Defense Gateway
Region	Region of the Multicloud Defense Gateway
Level	DEBUG, INFO, NOTICE, WARNING, ERROR, CRITICAL, ALERT, EMERGENCY
Session ID	..

Service	Description
Src IP	Source IP Address
Src Port	Source Port
Dest IP	Destination IP Address
Dest Port	Destination Port
Protocol	UDP, TCP

Application Info	Description
Client App Name	Application name associated with client side of the session. Example: `Advanced Packaging Tool`
Payload App Name	HTTP application name associated with webserver host. Example: `Facebook`
Service App Name	Application name associated with server side of the session Example: `HTTP`

Action	Description
Action	ALLOW, DENY
State	ESTABLISHED, CLOSE, CLOSED, CLOSE_WAIT, TIME_WAIT, FIN_WAIT, LAST_ACK

HTTP Request	Description
Host	Host portion of URL
Method	GET, PUT, POST, HEAD, DELETE, PATCH, OPTIONS
URI	URI Identifier RFC 3986

FQDN	Description
FQDN	Fully Qualified Domain Name

FQDN	Description
Category Name	Category classification of the FQDN. Example: `Social Media`
Reputation	Reputation score of the FQDN

Rule	Description
ID	ID number/description of Multicloud Defense Rule. Example 59 (egress-prod-apt-80)

Flow Analytics - URL Filtering

This view provides detailed visibility, filtering and analysis for events recorded by the Multicloud Defense URL Filtering configuration. URL Filtering events contribute to one of three event types: `Firewall Events`, `Network Events` and `Web Attacks`.

URL Filtering

Tables and Fields available in URL Filtering are as follows:

Event Details	Description
Date and Time	ISO 8601 format: YYYY-MM-DD T HH:MM:SS:S Example: `2020-11-22T10:58:46.820`
Type	URLFILTER
CSP Account	Multicloud Defense CSP Account
Gateway	Multicloud Defense Gateway
Region	Region of the Multicloud Defense Gateway
Level	DEBUG, INFO, NOTICE, WARNING, ERROR, CRITICAL, ALERT, EMERGENCY
Session ID	..

Service	Description
Src IP	Source IP Address
Src Port	Source Port
Dest IP	Destination IP Address
Dest Port	Destination Port
Protocol	UDP, TCP

Application Info	Description
Client App Name	Application name associated with client side of the session. Example: `Advanced Packaging Tool`.
Payload App Name	HTTP application name associated with webserver host. Example: `Facebook`
Service App Name	Application name associated with server side of the session Example: `HTTP`

Action	Description
Action	ALLOW, DENY
State	ESTABLISHED, CLOSE, CLOSED, CLOSE_WAIT, TIME_WAIT, FIN_WAIT, LAST_ACK

HTTP Request	Description
Host	Host portion of URL
Method	GET, PUT, POST, HEAD, DELETE, PATCH, OPTIONS
URI	URI Identifier RFC 3986

Rule	Description
ID	ID number/description of Multicloud Defense Rule. Example 59 (egress-prod-apt-80)

FQDN	Description
FQDN	Fully Qualified Domain Name
Category Name	Category classification of the FQDN. Example: `Social Media`
Reputation	Reputation score of the FQDN

Flow Analytics - FQDN Filtering

This view provides detailed visibility, filtering and analytical options for events recorded from the FQDN Filtering configuration. FQDN Filtering events contribute to one of three event types: `Firewall Events`, `Network Events` and `Web Attacks`.

FQDN Filtering

Tables and Fields available in FQDN Filtering are as follows:

Event Details	Description
Date and Time	ISO 8601 format: YYYY-MM-DD T HH:MM:SS:S Example: `2020-11-22T10:58:46.820`.
Type	FQDNFILTER.
CSP Account	Multicloud Defense CSP Account.
Gateway	Multicloud Defense Gateway.
Region	Region of the Multicloud Defense Gateway.
Level	DEBUG, INFO, NOTICE, WARNING, ERROR, CRITICAL, ALERT, EMERGENCY.
Session ID	..

Service	Description
Src IP	Source IP Address.
Src Port	Source Port.
Dest IP	Destination IP Address.
Dest Port	Destination Port.
Protocol	UDP, TCP.

Action	Description
Action	ALLOW, DENY.
State	ESTABLISHED, CLOSE, CLOSED, CLOSE_WAIT, TIME_WAIT, FIN_WAIT, LAST_ACK.

HTTP Request	Description
Host	Host portion of URL.
Method	GET, PUT, POST, HEAD, DELETE, PATCH, OPTIONS.
URI	URI Identifier RFC 3986.

FQDN	Description
FQDN	Fully Qualified Domain Name.
Category Name	Category classification of the FQDN. Example: `Social Media`.
Reputation	Reputation score of the FQDN.

Rule	Description
ID	ID number/description of Multicloud Defense Rule. Example 59 (egress-prod-apt-80).

Flow Analytics - HTTPS Logs

This view provides detailed visibility, filtering and analytical options for events recorded from HTTPS Logs. HTTPS logs may contribute to one of three event types: `Firewall Events`, `Network Events` and `Web Attacks`.

HTTPS Logs

Tables and Fields available in HTTPS Logs are as follows:

Event Details	Description
Date and Time	ISO 8601 format: YYYY-MM-DD T HH:MM:SS:S Example: `2020-11-22T10:58:46.820`
Type	TLS_ERROR, TLS_LOG.
CSP Account	Multicloud Defense CSP Account.
Gateway	Multicloud Defense Gateway.
Region	Region of the Multicloud Defense Gateway.
Level	DEBUG, INFO, NOTICE, WARNING, ERROR, CRITICAL, ALERT, EMERGENCY.
Session ID	..

Service	Description
Src IP	Source IP Address.
Src Port	Source Port.
Dest IP	Destination IP Address.
Dest Port	Destination Port.
Protocol	UDP, TCP.

Application Info	Description
Client App Name	Application name associated with client side of the session. Example: `Advanced Packaging Tool`.
Payload App Name	HTTP application name associated with webserver host. Example: `Facebook`.

Application Info	Description
Service App Name	Application name associated with server side of the session Example: `HTTP`.

Action	Description
Action	ALLOW, DENY.
State	ESTABLISHED, CLOSE, CLOSED, CLOSE_WAIT, TIME_WAIT, FIN_WAIT, LAST_ACK.

HTTP Request	Description
Host	Host portion of URL.
Method	GET, PUT, POST, HEAD, DELETE, PATCH, OPTIONS.
URI	URI Identifier RFC 3986.

FQDN	Description
FQDN	Fully Qualified Domain Name.
Category Name	Category classification of the FQDN. Example: `Social Media`.
Reputation	Reputation score of the FQDN.