SIEM Collector - PRODUCT GUIDE

Summary

The McAfee SIEM Collector is host-based software that can be configured to send events to a McAfee ESM with a Receiver. The SIEM Collector can be configured to send events from the local Windows machine or from remote Windows machines.

Terms

- MEF McAfee Event Format: The protocol the SC uses to communicate with a Receiver.
- ESM Enterprise Security Manager: Interface for the SIEM solution.
- EVT(EVTX) A file extension for files created by the Windows Event Viewer. .evt is the older format and .evtx the newer.
- SIEM Security Information Event Management
- DNS Domain Name Server
- MSSQL Microsoft SQL Server
- WEF Windows Event Forwarding.

RECEIVER CONFIGURATION

To change the settings of the Receiver that the SIEM Collector communicates with, open the SIEM Collector configuration utility and select the appropriate Receiver.

NcAfee SIEM Collector Management	Utility		
File Edit Service Help			
+ -			
Receiver Kereiver Kereiver Kereiver	Receiver Configuration		
	The SIEM Collector is configured to send log evo address, on the specified McAfee Event Format	ents to the Receiver located at the following IP (MEF) Port:	
	Receiver IP Address:	10.75.84.104	
	MEF Port:	8082	
	Selected Network Adapter:	10.75.80.86 🔹	
	Use SSL to encrypt log e	events sent to the Receiver	
	NOTE: To find the Receiver IP address and MEF Port, log on to the McAfee ESM client, select the target Receiver in the System device tree, click on the Properties icon in the system tree toolbar, select Receiver Configuration, then select the Interface button.		
		Validate	
	OK	Cancel Undo Apply	
Service: Running Receiver: Conner	tted	łł.	

When the Receiver node is selected, the screen displays information regarding the Receiver to which the event data is being sent. This includes the Receiver's IP address (must be a valid IP address), MEF port, and the Network Adapter to use. It reflects the information that was entered when the Utility was installed.

If you don't know the target Receiver's IP address or MEF port, do the following to locate them:

- 1. Log on to the ESM console.
- 2. Select the node of the target Receiver in the Navigation Tree.
- 3. Click on the Properties icon in the Actions Toolbar. The Receiver Properties screen will open.
- 4. Select Receiver Configuration.
- 5. Select Interface. The IP address and MEF port will be listed on the screen.
 - MEF Port: This port value should be the same as the MEF Port that the Receiver is configured to use.
 - Selected Network Adapter: If you want to select a specific network adapter to be used for

communicating with the Receiver, you can select it from this list.

Using SSL to encrypt log events sent to the Receiver:

If you want the event logs to be encrypted using SSL, this box should be checked. If you do check the "encrypted" checkbox, you should also check the "Use encryption" checkbox for each receiver datasource you create. (See Clients section for more help with encryption and encryption with host IDs)

Whenever a change to one of these fields is made, click Apply to save the changes and keep the Utility open or click OK to save the changes and close the Utility. Clicking either of these buttons validates settings and restarts the service if it is running.

GROUP CONFIGURATION

- 1. Launch the McAfee SIEM Collector Management Utility by navigating to Start -> All Programs -> McAfee -> SIEM Collector Management Utility.
- Select the "Receiver" node in the tree view on the left-hand side of the interface, and confirm the Receiver IP address and port value. Make changes as necessary.
- Select the "SIEM Collector" node in the tree view. Click on the plus sign above the tree view to add a new host group.

💐 McAfee SIEM Collector Management Utility		
File Edit Service Help		
(+) -		
Receiver	Collector Configuration These settings are to be used when host and host group settings are mis These values can be left blank. Default Credential Connecting as: Local System	sing or invalid.
	Default Logging Level	
	Log Level: Error	
	Max Log Size: 20 🊔 MB	
		Validate
	OK Cancel Undo	Apply
Service: Running Receiver: Connected		

- A host group is a container object that will contain hosts. One or more hosts can be added to a group to ease management of a SIEM Collector configuration that will remotely collect events from many hosts.
- Once you have clicked the "Add Group" button, a host group object will be created, and the properties of the host group will be displayed in the right-hand panel. New groups are marked as Disabled by default. A group must be enabled to collect from any hosts under that group.

📽 McAfee SIEM Collector Management Utility		_ 0 X
File Edit Service Help		
↔ -		
 Receiver SIEM Collector New Host Group 	Host Group Configuration These settings are to be used when host settings are missing or invalid. can be left blank. Name New Host Group Group Credential	Disabled These values
	Connecting as: Local System (From Parent)	
	Log Level: Error (From Parent)	Use Parent
		Validate
	OK Cancel Undo	Apply
Service: Running Receiver: Connected		

- On this screen you can change the name of your new host group and the credentials that will be used for collection . Click "Apply" to save changes.
- Credentials may be set at the Groups level and inherited by all child nodes in the group Individual nodes can be changed to not use the group's credentials if desired.

Note: Credentials are only validated when the group has enabled clients. Failed validation will disable the client/host.

- The logging level may be set for the selected group. This setting is inherited by all of the group's child nodes. Individual child nodes may be changed to not use the parent's settings.
- With the host group selected, click the plus sign above the tree view to add a new host.
- On the host properties screen on the right, type in the DNS name or IP address of the host you will be collecting events from.
- The Host is Disabled by default. The host must be enabled to collect from any of its clients.
- Credentials are inherited from the parent group but may be over written.

Note : Credentials are only validated when the host has enabled clients. Failed validation will disable the client/host.

- The Logging Level is inherited from the parent group but may be over written.
- Encryption settings are automatically established based on what the Receiver datasource is configured with.
- To add a new client, select a client type from the "Choose Client" drop-down box and then click "Add Client".

NcAfee SIEM Collector Management Utility		- • ×
File Edit Service Help		
+ -		
 Receiver SIEM Collector New Host Group New Host 	Host Configuration Host Name/IP: New Host Credential	Disabled
	Connecting as: Local System (From Parent)	
	Logging Level	
	Log Level: Error (From Parent)	Use Parent
	Clients Choose Client - Choose Client - Custom SQL Generic log tail SQL Server C2 audit logs Windows events Windows EVT files	Enable All
		Validate
	OK Cancel Undo	Apply
Service: Running Receiver: Connected]	

CLIENTS

When adding a client, you must first select the Host that you want to add the client to. The client type is then determined through the dropdown:

NcAfee SIEM Collector Management Utility	
File Edit Service Help	
+ -	
 Receiver SIEM Collector Primary Group WIN-H82C1UUJ2GV 	Host Configuration Host Name/IP: WIN-H82C1UUJ2GV Credential Connecting as: dgilbert Connecting as: dgilbert Logging Level Log Level: Warn Use Parent Clients Clients Add Client Enable All Validate Validate
	OK Cancel Undo Apply
Service: Restarting Receiver: Not Connected	

ENCRYPTION

Enabling encryption with SSL between the SIEM Collector and the ESM requires **both** devices to have it enabled.

ENCRYPTION WITH HOST IDS

In order to use encryption with host IDs it must be set up with one 'bridging' client that uses an IP address. This opens the firewall for the connection and allows the receiver to connect with an encrypted connection.

Custom SQL

For collection from both MSSQL and Oracle databases, if the database credentials are not the same as the credentials of the machine on which the database resides, the database credentials will need to be entered in the "Credential" section of the "Host Configuration" screen.

Installing Drivers

Oracle

- Download the Instant Client Package Basic version 11.2.x.x
- Create a folder under C: called instantclient and un zip the drivers into the new folder
- Open Control Panel -> System and Security -> System
 - Open Advanced system setting
 - Open Environment Variables...
 - Add "C:\instantclient;" (no quotes) to the path environment variable. The path recorded in the environment variable needs to point to the Oracle directory that contains the "vc9" directory.

MSSQL

Install Microsoft® ODBC Driver for SQL Server®

Note: This will be different depending on your Windows version

😂 Login to Database	? 🔀	👋 Login to Data	abase 💦 💌
Server Address: 1.2.3.4	Server grated Security K Cancel	Server Address:	1.2.3.4
User: Administrator		User:	Administrator
Database Type: Microsoft SQ		Database Type:	Oracle •
Security: Windows Inte		Security:	Database Security •
Port: 1433		Port:	1521
Service:		Service:	OK Cancel

After configuring the database credentials, select "Custom SQL" from the client drop-down list and press "Add Client". On the "Login to Database" screen as pictured above, the database type and security can be selected. "Security" can be either "Windows Integrated Security", meaning the client will use the Windows account credentials for the host as configured in the "Credential" section; or "Database Security", meaning the client will use the database credentials as configured in the "Credential" section. Windows Integrated Security authentication is currently only available for SQL Server connections.

🗳 SQL Client			? — X —
👔 Database Ty	pe: SQL Server	Server:	
Name:			Disabled
Host ID:			
Forwarding Method:	Syslog 👻		
Select a database:	-		
Select a Table/View:	· · · · · · · · · · · · · · · · · · ·		
Add Fields			
		Test OK	Cancel

Note: The bookmark field is used to determine which record in the table is used to track where the last collection ended. Initially the bookmark is set to the latest record in the table, onl y records after this point are collected.

After configuring the login details, the "SQL Client" window appears. On this screen, the following fields can be configured:

- Name Required. The name of the client.
- Host ID An ID that corresponds to a host ID associated with a datasource on the Receiver.
- Forwarding Method Determines if the events are sent as syslog over MEF or field mapped as MEF.
- Select a Database Lists the databases available to collect from.
- Select a Table/View Lists the tables available to collect from in the selected database.

After selecting a database and table to collect from, a column must be selected to be used as the bookmark, and columns must be selected to collect from. If "syslog" is selected as the forwarding method,

no further configuration is needed. If "MEF" is selected as the forwarding method, the database columns must be mapped to MEF fields. "Message" is the only required MEF field and must be mapped to a column in the selected table.

Generic Log Tail

📽 Generic Log Tail C	lient		? 💌
Identification			Disabled
Name*:			
Host ID:			
Configuration			
Directory*:			
File Name*:			
Tail Mode:	End of file	•	
Multi Line Events:			
Delimiter:			
Delimiter is a RegEx:			
Max Lines Per Event:	1		
		ОК	Cancel

- Name Required. The name of the client.
- Host ID An ID that corresponds to a host ID associated with a datasource on the Receiver.
- Directory *Required*. The path that the client will pull log files from. The directory field can be entered manually, or the file browser can be used to navigate to a path by clicking on the folder icon.
- File Name *Required*. The name of the file that the client will read. This can be a full file name (i.e. "dhcp.log"), or use wildcards (i.e. "*.log" or "*").
- Tail Mode Determines whether the client will start reading the log from the top of the file or start from the bottom with new events as they are written to the file.
- Multi Line Events Used to indicate whether or not the events in the log file span multiple lines or not. Setting this field will require setting a delimiter.
- Delimiter Determines what the client uses as the delimiter between events (i.e. "Linux" would split the events whenever the word "Linux" is found, and "(?:\d{1,2}\){2}\d{4}" would split the events every time a date in the format MM/DD/YYYY is found). Leaving this field blank will default to delimiting on newlines.
- Delimiter is a RegEx Indicates whether or not the delimiter in the "Delimiter" field is a regular expression.
- Max Lines Per Event Indicates the maximum number of lines a multi-line event can span.

SQL Server C2 Audit Logs

📽 SQL C2 Audit Client	? 💌
Identification	Disabled
Name*:	
Host ID:	
Configuration	
Directory*:	
Log Name*:	
Archived Log Directory:	
	OK Cancel

- Name *Required*. The name of the client.
- Host ID An ID that corresponds to a host ID associated with a datasource on the Receiver.
- Directory Required. The path that the client will pull log files from. The directory field can be entered
- manually, or the file browser can be used to navigate to a path by clicking on the folder icon.
 Log Name *Required*. The name of the file that the client will read. This can be a full file name (i.e. "logs.trc"), or use wildcards (i.e. "*.trc").
- Archived Log Directory If a value is entered, the log files will be moved to this directory after being read.

Windows Events

📽 Windows Eve	nt Client	? 💌
Identification Name*: Host ID:		Disabled
Configuration	1	
Windows Logs*:	Analytic Application DirectShowFilterGraph DirectShowPluginControl EndpointMapper ForwardedEvents HardwareEvents Internet Explorer	• • •
WEF Events:	ОК	Cancel

- Name *Required*. The name of the client.
- Host ID An ID that corresponds to a host ID associated with a datasource on the Receiver.
- Windows Logs *Required*. A list of available logs on the machine. One or more must be selected to collect from.
- WEF Events If checked, this indicates that the events are being forwarded from a remote machine and changes the "From" location to the hostname of the machine that generated the event. If unchecked, all events will show up on the Receiver showing a "From" location with the IP address of the machine that transmitted the events to the Receiver. In most (if not all) cases this is used with the "Forwarded Events" log.

Note: WEF events requires Windows Event Forwarding to be enabled between the Windows machi nes.

Identificatio	n	Disabled
Name*:		
Host ID:		
Configuratio	n	
Directory*:		
Log File*:		
Wait Time:	60	
Delete Log File:		
Circular /Active F	ile.	

Windows EVT Files

- Name *Required*. The name of the client.
- Host ID An ID that corresponds to a host ID associated with a datasource on the Receiver.
- Directory *Required*. The path that the client will pull log files from. The directory field can be entered manually, or the file browser can be used to navigate to a path by clicking on the folder icon.
- Log File *Required*. The name of the file that the client will read. This can be a full file name (i.e. "security.evtx"), or use wildcards (i.e. "*.evt" or "*.evt*").
- Wait Time The minimum time to wait between reading log files.
- Delete Log File If checked, the client will delete the log files after reading them.
- Circular/Active File Indicates whether or not the log files are actively being written to by some other application or process.

Sample Windows Client Configurations

Custom SQL

😂 SQL Client		? 🔀
Database Ty	rpe: SQL Server	Server: 10.75.114.3
Name:	MSSQL	Enabled
Host ID:	Win7MSSQL	•
Forwarding Method:	MEF	
Select a database:	SIEMCOL	
Select a Table/View:	[dbo].[sqldient]	
Adjust Fields		
Bookmark	Name	Mapping
	id	<none> 🔻</none>
	message	Message
	username	Source User 🔻
		Test OK Cancel

Generic Log Tail

👋 Generic Log Tai	il Client	? <mark>×</mark>
Identification		Enabled
Name*: Log Tail		
Host ID: Win7Log	Tail	
Configuration		
Directory*:	C:\Windows	
File Name*:	*.log	
Tail Mode:	Beginning of file 🔻	
Multi Line Events:		
Delimiter:		
Delimiter is a RegEx	с 🔲	
Max Lines Per Even	nt: 1	
	ОК	Cancel

SQL Server C2 Audit Logs

🛯 SQL C	2 Audit Client		? 🔀
Identifi	ication		Enabled
Name*:	C2		
Host ID:	Win7C2		
Configu	uration		
Directory	*:	C: \Users \Administrator \Desktop	
Log Name	*:	*.trc	
Archived	Log Directory:		
		ОК	Cancel

Windows Events

🕲 Windo	ows Eve	nt Client	? 💌
Identifi	ication	(Enabled
Name*:	Window	ws Events	
Host ID:	Win7W	linEvents	
Configu	uration	1	
Windows	Logs*:	Security Setup System TabletPC_InputPanel_Channel WINDOWS_MP4SDECD_CHANNEL WMPSetup WMPSyncEngine Windows PowerShell	•
WEF Eve	nts:	Application, Security, System	Cancel

Windows EVT Files

🕲 Windo	ows EVT C	lient		? <mark>×</mark>
Identif	ication			Enabled
Name*:	EVT			
Host ID:	Win7EVT]	
Configu	uration			
Directory	*:	C:\Users\Administ	rator \Desktop	
Log File*		*.evtx		
Wait Time	:	60		
Delete Lo	g File:			
Circular/A	Active File:			
			ОК	Cancel

ESM DATA SOURCE CONFIGURATION

The ESM Datasource type will depend on which SIEM Collector Client type is chosen to collect from.

Important : If your SIEM Collector is collecting logs from other sources you must create an ESM Datasource for the IP Address that the SIEM Collector is transmitting from, or use the DHCP mas k and host IDs.

Note :	If	a⊦	lost	ID	is	used	on	the	SIE	M Col	llector	then	the	ESM	datasou	^ce	may	use	the	Host	ID i
nstead	of	an	IP /	Add r	ess	. Hos	st I	IDs	are	case	sensit	ive.	(See	the	Clients	End	crypt	tion	with	host	IDs
sectio	n fo	orυ	using	g th	nis	host	ID	s wi	th e	ncryp	otion)										

Custom SQL

Note : The Generic SQL ma		
Edit Data Source		
Use System Profiles:	No Profiles Defined	(?)
Data Source Vendor:	Generic	
Data Source Model:	McAfee Event Format	
Data Format:	Default	1-1
Data Retrieval:	McAfee Event Format (Default)	
Enabled:	Parsing Logging SNMP Trap	
Name:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
IP Address:		
Host ID:		
Use encryption:	-	
Default Rule Assignment:	User Defined 1	1-
Interface Manage the	e network interface for the parent Receiver.	
Advanced	OK	ancel
Generic Log Tail		
Edit Data Source		
Use System Profiles:	No Profiles Defined	2
Data Causa Mandan		
Data Source vendor:	Generic	-
Data Source Model:	Generic Advanced Syslog Parser	
Data Source Model: Data Format:	Generic Advanced Syslog Parser Default	
Data Source Vendor: Data Source Model: Data Format: Data Retrieval:	Generic Advanced Syslog Parser Default MEF	
Data Source Vendor: Data Source Model: Data Format: Data Retrieval: Enabled:	Generic Advanced Syslog Parser Default MEF Parsing Logging SNMP Trap	
Data Source Vendor: Data Source Model: Data Format: Data Retrieval: Enabled: Name:	Generic Advanced Syslog Parser Default MEF Parsing Logging SNMP Trap	
Data Source Vendor: Data Source Model: Data Format: Data Retrieval: Enabled: Name: IP Address:	Generic Advanced Syslog Parser Default MEF Parsing Logging SNMP Trap	
Data Source Vendor: Data Source Model: Data Format: Data Retrieval: Enabled: Name: IP Address: Host ID:	Generic Advanced Syslog Parser Default MEF Parsing Logging SNMP Trap	
Data Source Vendor: Data Source Model: Data Format: Data Retrieval: Enabled: Name: IP Address: Host ID: Use encryption:	Generic Advanced Syslog Parser Default MEF Parsing Logging SNMP Trap	
Data Source Vendor: Data Source Model: Data Format: Data Retrieval: Enabled: Name: IP Address: Host ID: Use encryption: Time Zone:	Generic Advanced Syslog Parser Default MEF Parsing Logging SNMP Trap GMT,00:00) Greenwich Mean Time	
Data Source Vendor: Data Source Model: Data Format: Data Retrieval: Enabled: Name: IP Address: Host ID: Use encryption: Time Zone: Support Generic Syslogs:	Generic Advanced Syslog Parser Default MEF Parsing Logging SNMP Trap (GMT,00:00) Greenwich Mean Time Do nothing	
Data Source Vendor: Data Source Model: Data Format: Data Retrieval: Enabled: Name: IP Address: Host ID: Use encryption: Time Zone: Support Generic Syslogs: Generic Rule Assignment:	Generic Advanced Syslog Parser Default MEF Parsing Logging SNMP Trap GMT,00:00) Greenwich Mean Time Do nothing User Defined 1	
Data Source Vendor: Data Source Model: Data Format: Data Retrieval: Enabled: Name: IP Address: Host ID: Use encryption: Time Zone: Support Generic Syslogs: Generic Rule Assignment: Encoding:	Generic Advanced Syslog Parser Default MEF Parsing Logging SNMP Trap GGMT,00:00) Greenwich Mean Time Do nothing User Defined 1 None	
Data Source Vendor: Data Source Model: Data Format: Data Retrieval: Enabled: Name: IP Address: Host ID: Use encryption: Time Zone: Support Generic Syslogs: Generic Rule Assignment: Encoding:	Generic Advanced Syslog Parser Default MEF Parsing Logging SNMP Trap GMT,00:00) Greenwich Mean Time Do nothing User Defined 1 None	
Data Source Vendor: Data Source Model: Data Format: Data Retrieval: Enabled: Name: IP Address: Host ID: Use encryption: Time Zone: Support Generic Syslogs: Generic Rule Assignment: Encoding:	Generic Advanced Syslog Parser Default MEF Parsing Logging SNMP Trap GMT,00:00) Greenwich Mean Time Do nothing User Defined 1 None	
Data Source Vendor: Data Source Model: Data Format: Data Retrieval: Enabled: Name: IP Address: Host ID: Use encryption: Time Zone: Support Generic Syslogs: Generic Rule Assignment: Encoding:	Generic Advanced Syslog Parser Default MEF Parsing Logging SNMP Trap GMT,00:00) Greenwich Mean Time Do nothing User Defined 1 None None Ne network interface for the parent Receiver.	

SQL Server C2 Audit Logs

Edit Data Source		
Use System Profiles:	No Profiles Defined	?
Data Source Vendor:	Microsoft	7
Data Source Model:	MSSQL Server C2 Audit	7
Data Format:	Default	
Data Retrieval:	MEF	
Enabled:	Parsing Logging SNMP Trap	
Name:		
IP Address:		
Host ID:		
Use encryption:	-	
Time Zone:		2
Interface	Manage the network interface for the parent Receiver.	
Advanced	Cancel	
Windows Events		
Edit Data Source		•
Use System Profiles:	No Profiles Defined	ŕ
Data Source Vendor:	Microsoft	
Data Source Model:	Windows Event Log - WMI	
Data Format:	Default	2
Data Retrieval:	MEF	

Data Source Vendor:	Microsoft
Data Source Model:	Windows Event Log - WMI
Data Format:	Default
Data Retrieval:	MEF
Enabled:	Parsing Logging SNMP Trap
Name:	
IP Address:	
Host ID:	
Use encryption:	
Interface	Manage the network interface for the parent Receiver.
Advanced	OK Cancel

Windows EVT Files

• The Windows EVT Files client is setup the same as the Windows Events.

AutoLearn

See AutoLearn documentation to setup AutoLearning. Custom SQL may also use Syslog as the Autolearn type.

Auto Learn		
Automatically learn unknow	IP addresses by enabling the firewall for the specified period of time. Enter 0 to run continually.	(?)
Enable	Auto learn Syslog for 0 hours. Current status: Auto learn stopped.	
Enable	Auto learn MEF for 0 🗧 hours. Current status: Auto learn stopped.	
Enable	Auto learn flows for 0 in hours. Current status: Auto learn stopped.	
Configure	Configure rules for auto adding data sources	

Choose one or more IP addresses from the list below and click Add to create new data sources or clients to existing data sources. When selecting multiple items, they must be of the same type.

CONFIGURATION FILE

The SIEM Collector generates a configuration file (config.xml) when the application is installed using the Windows installer. The main purpose of this file is to tell the Collector how and where data should be parsed. It also can be used to perform a remote installation by being passed as an argument to msiexec. The configuration file is updated as changes are made within the Utility. The structure of the configuration file should look something similar to this:

<u>1</u> 2	<pre><eventcollectorconfig loglevel="Error" maxlogsize="20971520"></eventcollectorconfig></pre>	
3	<pre><receiver adapteripa<="" encrypt="false" ipaddress="10.75.84.153" port="8082" pre=""></receiver></pre>	
4	ddress="10.75.84.40"/>	
5	<pre><hostgroup enabled="true" name="Primary Group" useparentlogging="true"></hostgroup></pre>	
6	<pre><credentials authenticated="true" credentialtype="ParentSettings"></credentials></pre>	
7	<pre><host enabled="true" host="WIN-H82C1UUJ2GV" ishostva<="" localhost="true" pre=""></host></pre>	
8	lid="true" UseParentLogging="true">	
9	<pre><credentials <="" authenticated="true" credentialtype="ParentSettings" pre=""></credentials></pre>	
<u>10</u>	/>	
11	<pre><client c<="" enabled="true" id="{1fcce90c-fe7c-4d53-95d1-7dc249891de5}" isclientvalid="true" name="Windows Applica</pre></th><th></th></tr><tr><th>12</th><th>tion" plugintype="WindowsEvent" th=""><th></th></client></pre>	
<u>13</u>	lientType="WinEvent">	
14	<pre><configuration key="Logs" value="Application"></configuration></pre>	
	<pre><configuration key="useWEF" value="0"></configuration></pre>	
		ļ

This configuration file can also be used to perform a remote installation of the SIEM Collector. Note that when using the configuration file to install the SIEM Collector remotely, it does not need a .xml extension. The important thing is that the contents of the file are valid XML. However on the Windows machine itself the Utility will specifically look for a config.xml file to load. It is possible to modify the XML manually instead of using the Utility. Here is a list describing the XML nodes that the SIEM Collector uses for reference:

- < EventCollectorConfig > The root XML node.
 - LogLevel Possible Values:
 - Error Logs errors
 - Info Same as Error but also logs related information
 - Warn Same as Info but also logs warnings
 - Debug Same as Warn but also logs debug information
 - Diagnostic Same as Debug but also logs diagnostic information
 - MaxLogSize The maximum size in bytes of the log file. When the maximum size is reached, the new information will write over the oldest information. The debug file is called debug.log and is stored in the directory where the Collector was installed
- < Credentials/ > -
 - CredentialType Possible values: OtherAccount, ParentSettings
 - Authenticated Possible values: true, false
 - < Receiver/ > ·
 - IPAddress The IPAddress of the target Receiver
 - Port The MEF port used by the target Receiver
 - Encrypt Encrypt data sent to the Receiver. Possible values: true, false
 - AdapterIPAddress IP of the network adapter being used
- < HostGroup > -
 - Name Name of the group
 - Enabled Enable/Disable all hosts in the group. Possible values: true, false
 - UseParentLogging Use credentials of the SIEM Collector node. Possible values: true, false
- < Credentials/ > -
 - CredentialType Possible values: OtherAccount, ParentSettings
 - Authenticated Possible values: true, false
 - Username Username of the Windows machine
 - Password Password of the Windows machine
- < Host >
 - Enabled Enable/Disable all hosts in the group. Possible values: true, false
 - LocalHost Using local machine or not. Possible values: true, false
 - Host The hostname/IP Address of the windows machine.
 - IsHostValid Used by the Utility to show if the hosts are valid or not. Possible values: true, false

- UseParentLogging Use credentials of the host node. Possible values: true, false
- < Client >
 - Enabled Enable/Disable the host. Possible values: true, false
 - IsClientValid Did the client successfully connect? Possible values: true, false
 - Name Name of the client
 - ID Unique ID generated by Utility
 - PluginType Possible Values: WindowsEvent, MEF, Syslog
 - ClientType Possible Values: WinEvent, WinEVT, C2Audit, LogTail
- < Configuration/ > Client specific configurations
- Key Maps to the Value for a configuration

TROUBLESHOOTING

SIEM Collector Utility

Does not boot and fails silently

If the XML of the config.xml file is not formatted properly the Utility will not load and will not display any error messages. Check the XML and make sure all tags are closed properly.

Cannot Enable Client



- 1. You will need to enable the parent group.
- 2. You will need to enable the parent host.

Cannot Enable Host



1. You will need to enable the parent group.

Cannot Enable Client



- Verify you have the correct host/ip.
- Verify that the host/ip you are connecting to is powered on.
- Verify that the username/password for this host/ip used is correctly.
- Verify that the host/ip you are connecting to can get through the firewall.
- Verify the host/ip is not behind a proxy.