BeyondTrust

Privilege Management
Splunk Enterprise Integration Guide

Powered By Defendpoint

TC:7/19/2019

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Set up Splunk Enterprise to Collect Privilege Management Events

Splunk Enterprise is a data collection service that indexes events from a variety of sources. Splunk Enterprise can be used to capture and report on events from Privilege Management.

Prerequisites

The following versions of Splunk Enterprise and Privilege Management Reporting are supported:

- Splunk Enterprise 6.5 or later
- Privilege Management Reporting 4.5 or later

Get Data into Splunk Enterprise

Splunk Enterprise allows you to collect BeyondTrust events two different ways. This guide covers:

- From your endpoints or from your Windows Event Collector node using the Splunk Universal Forwarder. This approach is useful if you are collecting Windows event log events from multiple sources including Privilege Management, or if you are not using the Privilege Management Reporting database.

For more information, please see "Splunk Universal Forwarder" on page 6.

- Importing events from the Privilege Management Reporting database using Splunk DB Connect. This approach can be used with Privilege Management Reporting database version 4.5 or later deployed with any of our management platforms. With this approach you do not need to deploy further agents to your endpoints.

For more information, please see "Splunk DB Connect" on page 10.

Data Quantity

Typically, a well configured Privilege Management endpoint will generate about fifteen to twenty events per endpoint each day. This is highly dependent on configuration and can be significantly higher.

- For DB Connect, set the **Execution Frequency** to a period of at least one minute. We recommend every five minutes as a reasonable default. The **cron** style setup allows updates at quiet times (for example, overnight) if timely delivery to Splunk is less important than conserving network bandwidth or database server resources.
- For DB Connect, the **Fetch Size** in the database connections can remain as the default (**300**).
- The **Max rows to retrieve** can be configured to limit load (for example, after an outage). Setting the value as unlimited is recommended (0 or blank). This ensures all the data is collected and the Splunk server does not fall behind, which can occur if this value is set too low.
- Data held in the Reporting database is deduplicated. This can be beneficial if you have a tiered approach to your event collection as you can use the rising column value to assist with batch processing.

You can also filter the data when you query it so you only import what you need using DB Connect.

For more information, please see "Work with Data in Splunk Enterprise" on page 15.

Configure Splunk Enterprise

You need to configure Splunk Enterprise to receive events from either the Splunk Universal Forwarder or the Splunk DB Connect application.

For this installation, we assume:

- Splunk Enterprise is installed
- Appropriate access to the system is in place
- You are familiar with the Splunk interface

To configure Splunk Enterprise to receive events:

1. Click **Settings** > **Forwarding Receiving** (under the **Data** menu).
2. Click **Configure Receiving** and then **New** to create an entry.
3. Enter **9997** in the **Listen on this port** field.
4. Click **Save**.

Splunk Enterprise is now configured to listen for events sent using any method.

Splunk Universal Forwarder

You can install the Splunk Universal Forwarder on your:

- Endpoints
- Windows Event Collector node

The installation is largely the same. Differences are explained in the installation steps, where applicable.

You can receive events from the Privilege Management Reporting database.

For more information, please see "Splunk DB Connect" on page 10.

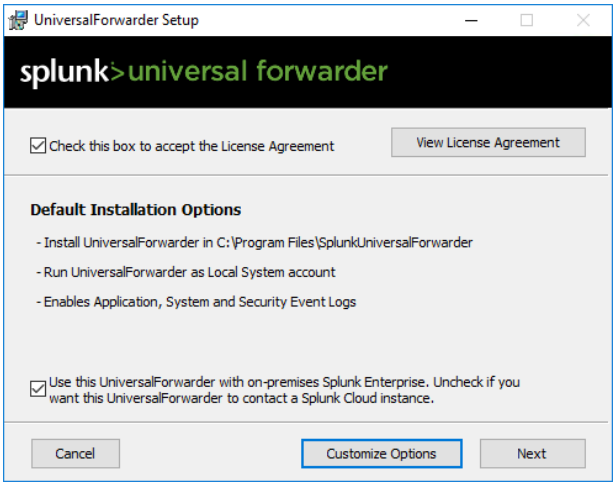
Install the Splunk Universal Forwarder

The Splunk Universal Forwarder can be used to collect data from your endpoints.

You can download the forwarder from Splunk: https://www.splunk.com/en_us/download/universal-forwarder.html.

To Install the Splunk Universal Forwarder:

1. Double-click the Splunk Universal Forwarder installer.
2. Select the check box at the top of the Setup dialog box to accept the license agreement.



3. Click **Customize Options**.
4. Use the default installation location and click **Next**.
5. You can use an SSL certificate to encrypt the events you send to Splunk. Please follow the instructions to do this. Click **Next**.
6. If installing the Splunk Universal Forwarder on your endpoint, leave the default as **Local System**. Splunk only needs to see events from that machine, rather than remotely. Click **Next**.
7. If installing the Splunk Universal Forwarder on your Windows Event Collector node, select the **Forwarded Events** check box to send all the forwarded events to Splunk Enterprise. Click **Next**.

> ***Note:*** *In the next section you can choose to configure your* ***Deployment Server*** *and* ***Receiving Indexer****. You must configure either a* ***Deployment Server*** *or a* ***Receiving Indexer*** *as a minimum to send events to Splunk Enterprise.*

8. Enter details about your Splunk **Deployment Server** here. Splunk deployment servers distribute configurations, applications, and content to groups of Splunk Enterprise instances. Click **Next**.
9. Enter details about your Splunk **Receiving Indexer** here. Splunk receiving indexers receive events from multiple endpoints. Click **Next**.
10. Click **Install** to complete the installation.

The next step is to configure the types of events you want to collect.

> For more information, please see "Configure Splunk Universal Forwarder" on page 7.

Configure Splunk Universal Forwarder

After you install the Splunk Universal Forwarder, you can configure the types of events to send to Splunk Enterprise.

To configure the type of events, you need to edit the **inputs.conf** file. In a default installation of the Splunk Universal Forwarder, the file is stored in this path:

C:\Program Files\SplunkUniversalForwarder\etc\system\local

> ***Note:*** *Depending on your user access, you might need to change the permissions on the file to apply changes.*

This example collects Privilege Management events from that endpoint or the Windows Event Forwarder node:

```
[default]
host = DESKTOP-OU2VDC4
[WinEventLog://Avecto Defendpoint Service]
disabled = false
```

Restart the Splunk Universal Forwarder service for the changes to take effect.

> For more information about editing the **inputs.conf** file, please see https://docs.splunk.com/Documentation/Splunk/6.6.2/Admin/Inputsconf.

Parse Events in Splunk

You can parse Privilege Management events in Splunk to create custom reports and dashboards.

You can substitute **Avecto Defendpoint Service** with **Avecto Privilege Guard Service** where applicable for older versions of the product.

1. On the Splunk server, navigate to **C:\Program Files\Splunk\etc\system\local** and open the **props.conf**. If the file does not exist, you can create it.
2. Add the following lines:

```
[WinEventLog:Application]
SourceName = "Avecto Defendpoint Service"
REPORT-fields = wineventlog_parser
```

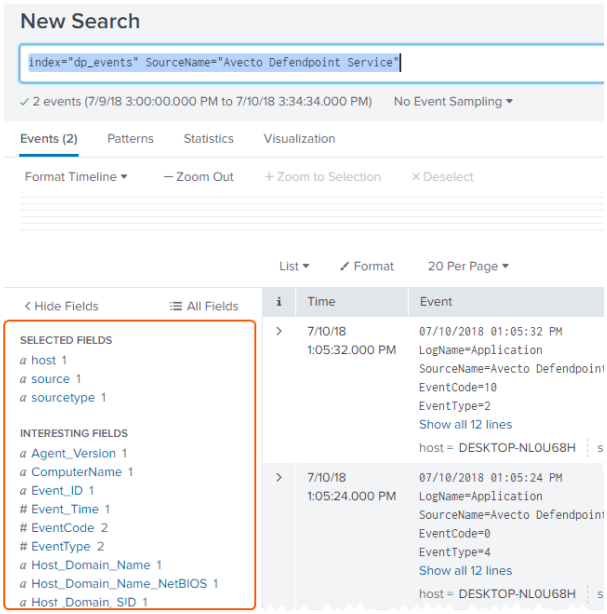
3. In the same directory, open the **transforms.conf** file for editing. If the file does not exist, you can create it.

```
[wineventlog_parser]
SourceName = "Avecto Defendpoint Service"
REGEX = (?m)^\s+([^:\n\r]+):\s([^\n\r]+)
FORMAT = $1::$2
MV_ADD = true
```

4. Restart the Splunk server from your **Settings** menu. Go to **System** > **Server Controls**, and then click **Restart Splunk**.
5. On the **Search** page, search for **SourceName = "Avecto Defendpoint Service"** in the index. For example:

```
index="dp_events" SourceName="Avecto Defendpoint Service"
```

6. The parsed fields are displayed on the left of the search.



7. On the search page you can build the search query using fields such as:

```
index="dp_events" SourceName="Avecto Defendpoint Service"|table Application_
Group,ComputerName,LogName,EventCode,Keywords,Command_Line,File_Name,Description,Process_Id,Parent_
Process_Id,Workstyle,Sid,SidType,RecordNumber,Hash,Certificate|search EventCode!=0 AND EventCode!=10
```

8. The table is displayed with a header for each attribute you specified in your query. You may need to change the time filter on the right-hand side to see all the events.

Note: *Parsing the events this way only works when the search is made with the index.*

Splunk DB Connect

Splunk DB Connect is an application from Splunk Enterprise you can install in your Splunk Enterprise instance. Splunk DB Connect retrieves events from the database you define, such as BeyondTrust Privilege Management Reporting, and inserts the events into Splunk Enterprise.

You can use Splunk DB Connect to query the Export Views for Privilege Management.

For more information, please see "Use Export Views" on page 17.

You can use SQL authentication or any of the default Privilege Management Reporting accounts to authenticate with the BeyondTrust database. The default accounts are Report Reader, Event Parser, and Data Admin.

You can retrieve events from your endpoints or your Windows Event Collector node instead.

For more information, please see "Splunk Universal Forwarder" on page 6.

Install DB Connect

Prerequisites

- Splunk Enterprise 6.4.0 or later
- Java Platform, Standard Edition Development Kit (JDK) from Oracle. JDK is required. The JRE alone is not sufficient.

For more information, please see https://www.oracle.com/technetwork/java/javase/downloads/index.html.

- Java Database Connection (JDBC) to connect to databases

For more information about Splunk DB Connect, please see https://docs.splunk.com/Documentation/DBX/3.1.0/DeployDBX/Prerequisites.

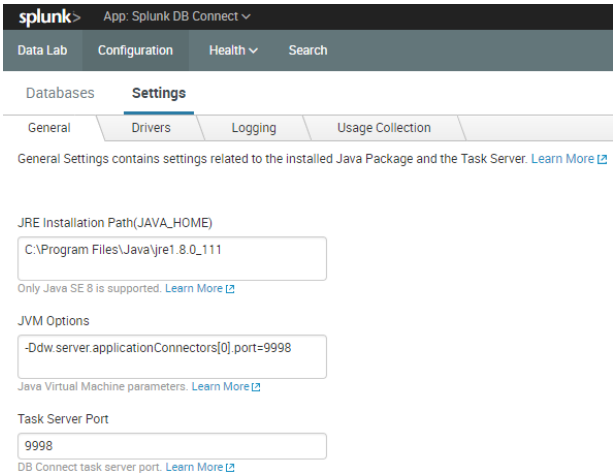
Install on Splunk Enterprise

1. Open your Splunk Enterprise instance, and click **App: Search & Reporting** from the top menu bar.
2. If **DB Connect** is installed, it appears in the list. Otherwise, click **Find More Apps**.
3. Type **DB Connect** in the search box if Splunk can connect to the internet. Follow the onscreen instructions to install DB Connection. Alternatively, you can download **DB Connect** from the Splunk store to install manually: https://splunkbase.splunk.com/app/2686/.
4. Click **App: Search & Reporting** > **Manage Apps** to install **DB Connect** from a separate installer.
5. Click **Install app from file** and browse to the location of **DB Connect** you downloaded.
6. Click **Upload** and follow the onscreen instructions to install **DB Connect**.
7. After **DB Connect** is installed, you can access it from the **App: Search & Reporting** top menu.

Configure DB Connect

Configuring Splunk DB Connect:

1. Click **App: Search & Reporting** > **Splunk DB Connect**.
2. Click **Configuration** > **Settings**.

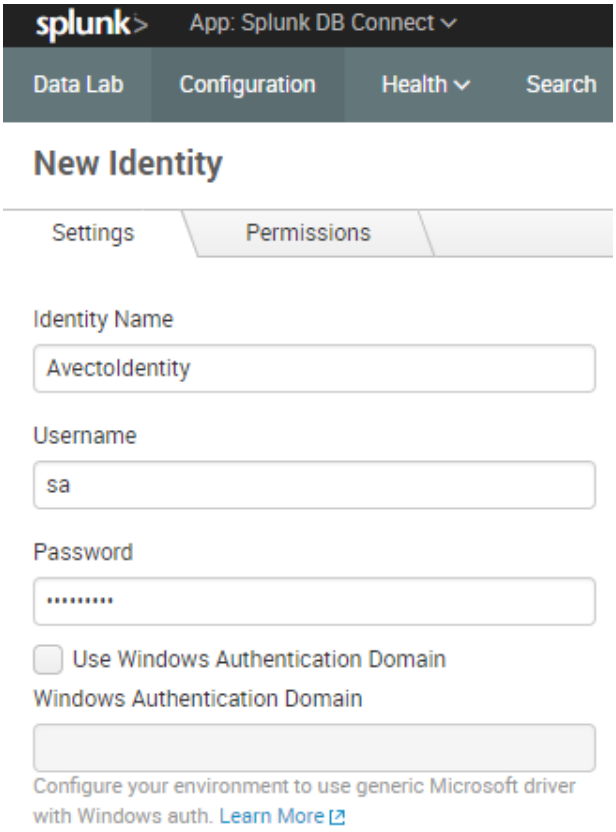


3. On the **General** tab, configure the path to your JRE installation on the machine hosting Splunk. The **JVM Options** and **Task Server Port** will be configured by Splunk.

> For more information, please see https://docs.splunk.com/Documentation/DBX/3.0.2/DeployDBX/ConfigureDBConnectsettings.

4. Click **Save** to confirm your settings.

5. Click the **Databases** tab > **Identities** tab.
6. Click **New Identity**. This is the identity (user) Splunk uses to authenticate to the BeyondTrust database to export events.
    - Enter an **Identity Name** you will use to identify the user.
    - You can either use SQL authentication as shown here, or you can use Windows authentication and any of the Privilege Management Reporting accounts that are set up by the installer: ReportReader, Event Parser and Data Admin.

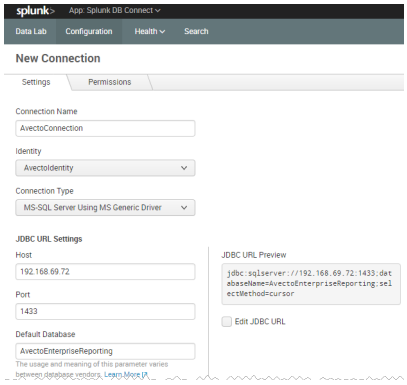


For more information, please see the Privilege Management Reporting installation guide.

- Click **Save** to confirm your identity.

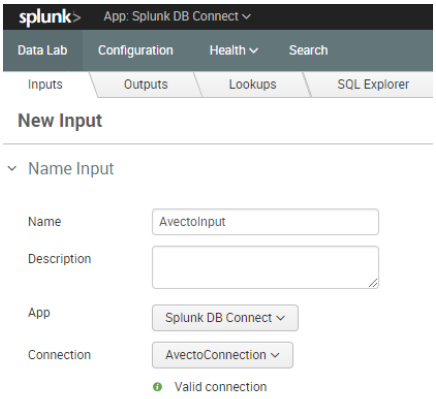
Note: *Use the default permission Splunk Enterprise provides on the* ***Permissions*** *tab.*

7. Click the **Connections** tab. This is where you configure the database you will connect to.
    - Enter a **Connection Name**. This is to identify the connection in Splunk.
    - Select the Identity you created from the drop-down list.
    - Select the **Connection Type**, **MS SQL Server Using MS Generic Driver**.
    - Enter the host IP address of your database server. Leave the port as the default **1433**.
    - Enter the Default Database as the one containing your Privilege Management reporting data.
    - You can choose to configure the additional options if they are relevant for your environment.
    - Click **Save** to save your connection. This will also validate the connection.

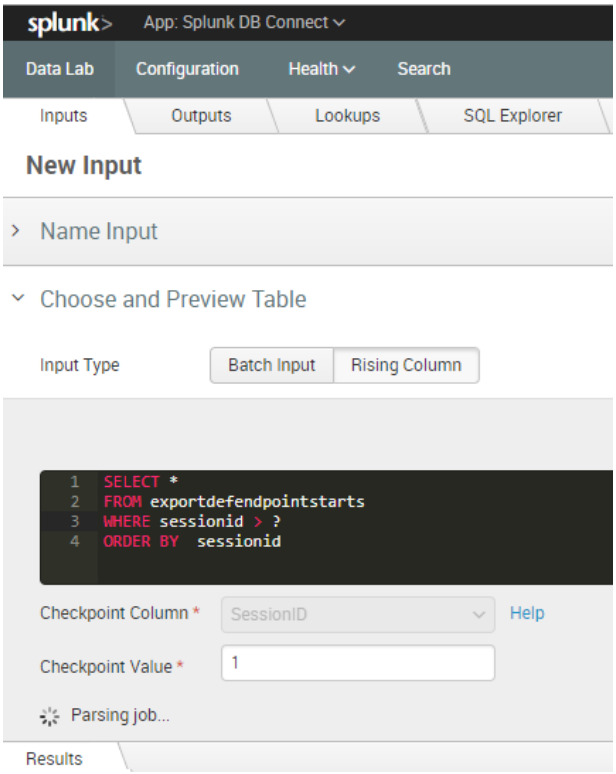


> ***Note:*** *Use the default permission Splunk Enterprise provides on the* ***Permissions*** *tab.*

8. Click the **Data Lab** tab and click **New Input** on the right-hand side.
    - Enter a **Name** for you to identify the new Input by. You can also enter a **Description** if required.
    - Leave the **App** drop-down list as **Splunk DB Connect**.
    - Select your **Connection** from the drop-down menu. This also validates it.



9. Click **Continue**. This allows you to choose and preview a table. You can now import the Export Views into Splunk. These are **ExportDefendpointStarts**, **ExportDefendpointLogins**, **ExportPrivilegedAccountProtection**, and **ExportProcesses**. This example uses the **ExportDefendpointStarts** view.
    - Select **Rising Column**. This ensures the events from the Reporting database are incremented rather than retrieving the same events repeatedly.
    - You can manually type a SQL query into the field or select the **Checkpoint Column** and the **Checkpoint Value**. Use a **?** as a placeholder in your SQL query for the **Checkpoint Value** as you set this manually.
    - Click **Execute** to search for the specified events in the Reporting database. This does not insert them into Splunk.



You can modify the SQL query to filter your results. This will help limit the data imported into Splunk Enterprise and your associated costs. For example, this SQL query imports events where the Privilege Management version is 4.3.349.0 only.

```
SELECT * FROM exportdefendpointstarts WHERE
sessionid > ? AND AgentVersion='4.0.349.0' ORDER BY
sessionid asc
```

10. Click **Execute** to search for the events in the Reporting database. These are displayed below.
11. Click **Continue**. Set parameters for the input here if required.
12. Click **Continue**. Each event imported into Splunk has the metadata you configure here as part of it. You can configure a new **Sourcetype** from the **Settings** menu on the top-right if required.

For more information, please see https://docs.splunk.com/Documentation/SplunkCloud/6.6.1/Data/Createsourcetypes.

13. Click **Save** to confirm your **Input Type** and start importing events into Splunk.

Repeat steps 7 to 11 for each of the Export Views.

Work with Data in Splunk Enterprise

When using Splunk DB Connect to import data, BeyondTrust provides four denormalized views:

- **ExportDefendpointStarts**
- **ExportLogons**
- **ExportPrivilegedAccountProtection**
- **ExportProcesses**

For more information about the fields for each Privilege Management export view, please see "Use Export Views" on page 17.

The views allow you to import BeyondTrust audit data into SIEM systems such as Splunk Enterprise. Each view has a rising column allowing the SIEM system to track the data already imported.

ExportProcesses	Returns the Process Control events such as elevating or blocking applications. The columns include: • **ApplicationDescription** • **Publisher** • **ProductVersion** • **UserName** • **HostName** • **WorkstyleName** Also includes event action flags: • **Elevated** • **Blocked** • **Passive** **ProcessID** is the rising column and **ProcessStartTime** is the timestamp.
ExportLogons	Returns the Logon events in the database. The columns include: • **LogonTime** • **UserName** • **HostName** • **WorkstyleName** **LogonID** is the rising column and **LogonTime** is the timestamp.

ExportDefendpointStarts	Returns the Privilege Management started events in the database. The columns include: • **SessionStartTime** • **HostName** • **AgentVersion** • **OS** **SessionID** is the rising column and **SessionStartTime** is the timestamp.
ExportPrivilegedAccountProtection	Returns the Privilege Management events in the database. The columns include: • **TimeGenerated** • **Access** • **WorkstyleName** • **UserName** • **HostName** • **ApplicationDescription** **ID** is the rising column and **TimeGenerated** is the timestamp.

Use Export Views

When using Splunk DB Connect to import data, BeyondTrust provides four denormalized export views for Privilege Management events:

- "ExportDefendpointStarts" on page 17
- "ExportDefendpointLogons" on page 18
- "ExportPrivilegedAccountProtection" on page 19
- "ExportProcesses" on page 21

Each of the views can be queried in Splunk. For each view, the following data is sent to Splunk. These Export Views are correct as of Privilege Management Reporting 4.5.

ExportDefendpointStarts

Column_name	Type	Length	Index	Description	Example
SessionID	bigint		3	Ascending Identity	1
SessionGUID	uniqueidentifier			UUID of the session	5CD221E9-CEB5-441D-B380-CB266400B320
SessionStartTime	datetime			Time session started	2017-01-03 10:24:00.000
SessionEndTime	datetime			Always NULL (not used)	NULL
HostSID	nvarchar	200	1	Host SID	S-1-21-123456789-123456789-1635717638-390614945
AgentVersion	nvarchar	20		Privilege Management Client Version	4.0.384.0
ePOMode	int			1 if DP client is in ePO mode. 0 otherwise.	1
CertificateMode	int			Certificate Mode	0
PolicyAuditMode	int			Policy Audit Mode	7
DefaultUILanguage	int			Locale Identifier of UI Language	2057
DefaultLocale	int			Locale Identifier of Locale	2057
SystemDefaultTimezone	int			Not set so always 0	0
ChassisType	nvarchar	40		Chassis Type	Other
HostName	nvarchar	1024	2*	Host name	EGHostWin1
HostNameNETBIOS	nvarchar	15	2*	Host NETBIOS	EGHOSTWIN1
OS	nvarchar	20		OS Version	6.3
OSProductType	int	4		OS Product Type.	1
PlatformType	nvarchar	10		Platform Type	Windows
HostDomainSID	nvarchar	200		Host Domain SID	S-1-21-123456789-123456789-1635717638

Column_name	Type	Length	Index	Description	Example
HostDomainName	nvarchar	1024		Host Domain	EGDomain
HostDomainNameNETBIOS	nvarchar	15		Host Domain NETBIOS	EGDOMAIN

ExportDefendpointLogons

Column_name	Type	Length	Index	Description	Example
LogonID	bigint		3	Ascending Identity	1
LogonGUID	uniqueidentifier			UUID of the logon	819EF606-F9B6-40BE-9C0C-A033A34EC4F8
HostSID	nvarchar	200	1	Host SID	S-1-21-123456789-123456789-1635717638-390614945
UserSID	nvarchar	200		User SID	S-1-21-123456789-123456789-1635717638-1072059836
LogonTime	datetime			Logon Date/Time	2017-01-03 10:24:00.000
IsAdmin	bit			1 if an admin, 0 otherwise	0
IsPowerUser	bit			1 if a power user, 0 otherwise	0
UILanguage	int			Locale Identifier of the UI Language	1033
Locale	int			Locale Identifier of the Locale	2057
UserName	nvarchar	1024		User name	EGUser1
UserDomainSID	nvarchar	200		User Domain SID	S-1-21-123456789-123456789-1635717638
UserDomainName	nvarchar	1024		User Domain	EGDomain
UserNameNETBIOS	nvarchar	15		User NETBIOS	EGDOMAIN
ChassisType	nvarchar	40		Chassis Type	Docking Station
HostName	nvarchar	1024	2*	Host name	EGHostWin1
HostNameNETBIOS	nvarchar	15	2*	Host NETBIOS	EGHOSTWIN1
OS	nvarchar	20		OS Version	6.3
OSProductType	int			OS Product Type	1
PlatformType	nvarchar	10		Platform Type	Windows
HostDomainSID	nvarchar	200		Host Domain SID	S-1-21-123456789-123456789-1635717638
HostDomainName	nvarchar	1024		Host Domain	EGDomain
HostDomainNameNETBIOS	nvarchar	15		Host Domain NETBIOS	EGDOMAIN
PolicyName	nvarchar	1024		Policy Name	EventGen Test Policy
WorkstyleName	nvarchar	1024		Workstyle name	EventGen Test Workstyle

ExportPrivilegedAccountProtection

Column_name	Type	Length	Index	Description	Example
ID	bigint		1	Ascending Identity	1
TimeGenerated	datetime			Event Generation Date/Time	
CommandLine	nvarchar	1024		Command Line	<None>
PrivilegedGroupName	nvarchar	200		Privileged Group Name	Administrators
PrivilegedGroupRID	nvarchar	10		Privileged Group Relative Identifier	544
Access	nvarchar	200		Group Access Details	Add Member, Remove Member, List Members, Read Information
PolicyGUID	uniqueidentifier			Policy UUID	E7654321-AAAA-5AD2-B954-12342918D604
PolicyName	nvarchar	1024		Policy Name	EventGen Test Policy
WorkstyleName	nvarchar	1024		Workstyle name	EventGen Test Workstyle
FileName	nvarchar	255		File name	<None>
ApplicationHash	nvarchar	40		Application SHA1	921CA2B3293F3FCB905B24A9536D8525461DE2A3
ProductCode	nvarchar	1024		Product Code	<None>
UpgradeCode	nvarchar	1024		Upgrade Code	<None>
FileVersion	nvarchar	1024		File Version	<None>
MD5	nvarchar	32		MD5 Hash	3279476E39DE235B426D69CFE8DEBF55
UserSID	nvarchar	200		User SID	S-1-21-123456789-123456789-1635717638-1072059836
UserName	nvarchar	1024		User Name	EGUser1
UserDomainSID	nvarchar	200		User Domain SID	S-1-21-123456789-123456789-1635717638
UserDomainName	nvarchar	1024		User Domain	EGDomain
UserNameNETBIOS	nvarchar	15		User Domain NETBIOS	EGDOMAIN
ChassisType	nvarchar	40		Chassis Type	Other

Column_name	Type	Length	Index	Description	Example
HostSID	nvarchar	200		Host SID	S-1-21-123456789-123456789-1635717638-390614945
HostName	nvarchar	1024		Host Name	EGHostWin1
HostNameNETBIOS	nvarchar	15		Host NETBIOS	EGHOSTWIN1
OS	nvarchar	20		OS Version	6.3
OSProductType	int			OS Product Type	1
HostDomainSID	nvarchar	200		Host Domain SID	S-1-21-123456789-123456789-1635717638
HostDomainName	nvarchar	1024		Host Domain	EGDomain
HostDomainNameNETBIOS	nvarchar	15		Host domain NETBIOS	EGDOMAIN
FileOwnerUserSID	nvarchar	200		File Owner SID	S-1-5-80-956008885-3418522649-1831038044-1853292631-2271478464
FileOwnerUserName	nvarchar	1024		File Owner	NT SERVICE\TrustedInstaller
FileOwnerDomainName	nvarchar	1024		File Owner Domain	NT SERVICE
ApplicationURI	nvarchar	1024		URI of a macOS application	com.apple.preference.datetime
ApplicationDescription	nvarchar	2048		Application description	lusrmgr.msc
FirstDiscovered	datetime			First time app was seen	2017-01-03 10:25:50.110
FirstExecuted	datetime			First time app was executed	2017-01-03 10:24:00.000
PlatformType	nvarchar	10		Platform Type	Windows
ProductName	nvarchar	1024		Product name	<None>
ProductVersion	nvarchar	1024		Product version	<None>
Publisher	nvarchar	1024		Publisher	Microsoft Windows
TrustedOwner	bit			1 if a trusted owner, 0 otherwise	1

ExportProcesses

Column_name	Type	Length	Index	Description	Example
ProcessID	bigint		4	Ascending Identity	1
ProcessGUID	uniqueidentifier		2	UUID of the process	98C99D96-6DFA-4C95-9A87-C8665C166286
EventNumber	int			Event Number. See List of Events section.	153
TimeGenerated	datetime			Event generation date/time	2017-02-20 13:11:11.217
TimeReceived	datetime			Event received at ER date/time	2017-02-20 13:16:28.047
EventGUID	uniqueidentifier			Event UUID	9F8EB86C-AA0D-42B9-8720-166FAB91F1ED
PID	int			Process ID	8723
ParentPID	int			Parent Process ID	142916
CommandLine	nvarchar		1024	Command Line	"C:\cygwin64\bin\sh.exe"
FileName	nvarchar		255	File Name	c:\cygwin64\bin\sh.exe
ProcessStartTime	datetime		1	Date/Time Process Started	2017-02-20 13:11:11.217
Reason	nvarchar		1024	Reason entered by user	<None>
ClientIPV4	nvarchar		15	Client IP Address	10.0.9.58
ClientName	nvarchar		1024	Client Name	L-CNU410DJJ7
UACTriggered	bit			1 if UAC shown	0
ParentProcessUniqueID	uniqueidentifier			Parent process UUID	C404C7F5-3A93-4C0E-81BC-9902D220C21E
COMCLSID	uniqueidentifier			COM CLSID	NULL
COMAppID	uniqueidentifier			COM Application ID	NULL
COMDisplayName	nvarchar	1024		COM Display Name	<None>
ApplicationType	nvarchar	4		Application Type	svc
TokenGUID	uniqueidentifier			UUID of token in policy	F30A3824-27AF-4D69-9125-C78E44764AC1
Executed	bit			1 if executed, 0 otherwise	1

Column_name	Type	Length	Index	Description	Example
Elevated	bit			1 if elevated, 0 otherwise	1
Blocked	bit			1 if blocked, 0 otherwise	0
Passive	bit			1 if passive, 0 otherwise	0
Can celled	bit			1 if cancelled, 0 otherwise	0
DropAdmin	bit			1 if admin rights dropped, 0 otherwise	0
EnforceUsersDefault	bit			1 if user default permissions were enforced, 0 otherwise	0
Custom	bit			1 if custom token, 0 otherwise	0
SourceURL	nvarchar	2048		Source URL	<None>
AuthorizationChallenge	nvarchar	9		Challenge Response authorization code	<None>
WindowsStoreAppName	nvarchar	200		Windows Store application name (appx app type only)	<None>
WindowsStoreAppPublisher	nvarchar	200		Windows Store application publisher (appx app type only)	<None>
WindowsStoreAppVersion	nvarchar	200		Window Store application version (appx app type only)	<None>
DeviceType	nvarchar	40		Device Type	Fixed Disk
ServiceName	nvarchar	1024		Service name (svc events only)	<None>
ServiceDisplayName	nvarchar	1024		Service Display Name (svc app type only)	<None>
PowerShellCommand	nvarchar	1024		PowerShell Command (ps1/rpsc/rpss app types only)	<None>

Column_name	Type	Length	Index	Description	Example
ApplicationPolicyDescription	nvarchar	1024		Policy Description	<None>
SandboxGUID	uniqueidentifier			Sandbox UUID (sandbox events only)	NULL
SandboxName	nvarchar	1024		Sandbox Name (sandbox events only)	NULL
BrowseSourceURL	nvarchar	2048		Sandbox browse source (sandbox events only)	<None>
BrowseDestinationURL	nvarchar	2048		Sandbox destination source (sandbox events only)	<None>
Classification	nvarchar	200		Sandbox classification (sandbox events only)	Private (Local)
IEZoneTag	nvarchar	200		IE Zone Tag	<None>
OriginSandbox	nvarchar	40		Origin Sandbox	<None>
OriginIEZone	nvarchar	40		Origin IE Zone	<None>
TargetSandbox	nvarchar	40		Target Sandbox	<None>
TargetIEZone	nvarchar	40		Target IE Zone	<None>
AuthRequestURI	nvarchar	1024		Authorization request URL (osx challenge/response only)	<None>
PlatformVersion	nvarchar	10		Platform Version	<None>
ControlAuthorization	bit			1 is Privilege Management authorized this macOS application	0
TrustedApplicationName	nvarchar	1024		Name of the trusted application	Microsoft Word
TrustedApplicationVersion	nvarchar	1024		Version of the trusted application	11.1715.14393.0
ParentProcessFileName	nvarchar	1024		Parent process file name	Google Chrome

Column_name	Type	Length	Index	Description	Example
ApplicationHash	nvarchar	40		SHA1 of the application	C22FF10511ECCEA1824A8DE64B678619C21B4BEE
ProductCode	nvarchar	1024		Product Code	<None>
UpgradeCode	nvarchar	1024		Upgrade Code	<None>
FileVersion	nvarchar	1024		File Version	<None>
MD5	nvarchar	32		MD5 hash of the app	6E641CAE42A2A7C89442AF99613FE6D6
TokenAssignmentGUID	uniqueidentifier			UUID of the token assignment in the policy	E7654321-BBBB-5AD2-B954-1234DDC7A89D
TokenAssignmentIsShell	bit			Token assignment is for shell	1
UserSID	nvarchar	200		User SID	S-1-21-123456789-123456789-16357176381125883508
UserName	nvarchar	1024		User Name	EGUser18
UserDomainSID	nvarchar	200		User Domain SID	S-1-21-123456789-123456789-1635717638
UserDomainName	nvarchar	1024		User Domain	EGDomain
UserDomain NameNETBIOS	nvarchar	15		User Domain NETBIOS	EGDOMAIN
ChassisType	nvarchar	40		Chassis Type	Laptop
HostSID	nvarchar	200		Host SID	S-1-21-123456789-123456789-1635717638775838649
HostName	nvarchar	1024	3*	Host Name	EGHostWin18
HostNameNETBIOS	nvarchar	15	3*	Host NETBIOS	EGHOSTWIN18
OS	nvarchar			OS Version	10.0
OSProductType	int			OS Product Type	
HostDomainSID	nvarchar	200		Host Domain SID	S-1-21-123456789-123456789-1635717638
HostDomainName	nvarchar	1024		Host Domain	EGDomain
HostDomain NameNETBIOS	nvarchar	15		Host Domain NETBIOS	EGDOMAIN
AuthUserSID	nvarchar	200		Authorizing User SID	<None>
AuthUserName	nvarchar	1024		Authorizing User	<None>
AuthUserDomainSID	nvarchar	200		Authorizing User Domain SID	<None>
AuthUserDomainName	nvarchar	1024		Authorizing User Domain	<None>

Column_name	Type	Length	Index	Description	Example
AuthUserDomainNameNETBIOS	nvarchar	15		Authorizing User Domain NETBIOS	<None>
FileOwnerUserSID	nvarchar	200		File Owner SID	S-1-5-80-956008885-3418522649-1831038044-1853292631-2271478464
FileOwnerUserName	nvarchar	1024		File Owner	NT SERVICE\TrustedInstaller
FileOwnerDomainSID	nvarchar	200		File Owner Domain SID	S-1-5-80
FileOwnerDomainName	nvarchar	1024		File Owner Domain	NT SERVICE
FileOwnerDomainNameNETBIOS	nvarchar	15		File Owner Domain NETBIOS	<None>
ApplicationURI	nvarchar	1024		URI of the macOS Application	com.apple.preference.datetime
ApplicationDescription	nvarchar	2048		Application Description	c:\cygwin64\bin\sh.exe
FirstDiscovered	datetime			Time application first seen	2017-02-07 09:14:39.413
FirstExecuted	datetime			Time application first executed	2017-02-07 09:07:00.000
PlatformType	nvarchar	10		Platform Type	Windows
ProductName	nvarchar	1024		Product Name	ADelRCP Dynamic Link Library
ProductVersion	nvarchar	1024		Product Version	15.10.20056.167417
Publisher	nvarchar	1024		Publisher	Adobe Systems, Incorporated
TrustedOwner	bit			1 if a trusted owner, 0 otherwise	0
MessageGUID	uniqueidentifier			UUID of the message in the policy	00000000-0000-0000-0000-000000000000
MessageName	nvarchar	1024		Name of the message in the policy	Block Message
MessageType	nvarchar	40		Message Type	Prompt
AppGroupGUID	uniqueidentifier			UUID of the Application Group in the Policy	47E4A204-FC06-428B-8E73-1E36E3A65430
AppGroupName	nvarchar	1024		Application Group Name in the Policy	Test Policy.test

Column_name	Type	Length	Index	Description	Example
PolicyID	bigint			Internal ID of the Policy	2
PolicyGUID	uniqueidentifier			UUID of the Policy	E7654321-AAAA-5AD2-B954-12342918D604
PolicyName	nvarchar	1024		Policy Name	EventGen Test Policy
WorkstyleName	nvarchar	1024		Workstyle Name	EventGen Test Workstyle
ContentFileName	nvarchar	255		Content File Name	c:\users\user.wp-epo-win7-64\downloads\con29 selectable feestable (1).pdf
ContentFileDescription	nvarchar	1024		Content File Description	<None>
ContentFileVersion	nvarchar	1024		Content File Version	<None>
ContentOwnerSID	nvarchar	200		Content Owner SID	S-1-21-123456789-123456789-1635717638-1072059836
ContentOwnerName	nvarchar	1024		Content Owner	EGUser1
ContentOwnerDomainSID	nvarchar	200		Content Owner Domain SID	S-1-5-21-2217285736-120021366-3854014904
ContentOwnerDomainName	nvarchar	1024		Content Owner Domain	BEYONDTRUSTTEST58\BEYONDTRUSTTEST58.QA
ContentOwnerDomainNameNetBIOS	nvarchar	15		Content Owner Domain NETBIOS	BEYONDTRUSTTEST58
UninstallAction	nvarchar	20		The uninstall action carried out	Change/Modify
TokenName	nvarchar	20		The name of the event action	Blocked
TieStatus	int			Threat Intelligence Exchange status for the reputation of this application	0
TieScore	int			Threat Intelligence Exchange score for the application	
VtStatus	int			VirusTotal status for the reputation of this application	
RuleScriptFileName	nvarchar	200		The name in config of the script associated with the rule	Get-McAfeeGTIReputation

Column_name	Type	Length	Index	Description	Example
RuleScriptName	nvarchar	200		The name of the script set by interface	Get-McAfeeGTIReputation
RuleScriptVersion	nvarchar	20		Version number of the script.	1.1.0
RuleScriptPublisher	nvarchar	200		Publisher that signed the script	BeyondTrust
RuleScriptRuleAffected	bit			True when the script has set all settable rule properties; otherwise false	True
RuleScriptStatus	nvarchar	100		Success OR Why the configured script didn't run or set rule properties	Success
RuleScriptResult	nvarchar	1024		Result of the script run	Script ran successfully
RuleScriptOutput	nvarchar	1024		The output of the script	