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## Genesys Engage Digital (eServices)

Event Logger DAP

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# Event Logger DAP

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These options are configured on the DAP that you must create in order to deploy **Event Logger**.

### event-filtering Section

- **event-filter-by-id**
- **log-agent-activity**
- **log-agent-state**
- **log-esp-service**
- **log-queue**
- **log-strategy**
- **log-userdata**

### event-filter-by-id

**Default Value:** No default value

**Valid Values:** Comma-separated list of event identifiers

**Changes Take Effect:** Immediately

If this option is present and not empty, only events with event IDs specified in the comma-separated list and permitted by the event type filters are logged into their corresponding reporting tables. If this option is absent or empty, all events permitted by the event type filters are logged into their corresponding reporting tables.

### log-agent-activity

**Default Value:** true

**Valid Values:** true, false

**Changes Take Effect:** Immediately

Setting this option to false turns on the event filtering group agent activity. All events defined at this group level will be skipped.

### log-agent-state

**Default Value:**

**Valid Values:** true, false

**Changes Take Effect:** Immediately

Setting this option to false turns on the event filtering group agent state. All events defined at this

group level will be skipped.

## log-esp-service

**Default Value:** true

**Valid Values:** true, false

**Changes Take Effect:** Immediately

Setting this option to false turns on the event filtering group esp service. All events defined at this group level will be skipped.

## log-queue

**Default Value:** true

**Valid Values:** true, false

**Changes Take Effect:** Immediately

Setting this option to false turns on the event filtering group queue. All events defined at this group level will be skipped.

## log-strategy

**Default Value:** true

**Valid Values:** true, false

**Changes Take Effect:** Immediately

Setting this option to false turns on the event filtering group strategy. All events defined at this group level will be skipped.

## log-userdata

**Default Value:** true

**Valid Values:** true, false

**Changes Take Effect:** Immediately

Setting this option to false means that for each interaction activity reporting event, customer defined user data will not be stored.

## logger-settings Section

- [batch-size](#)
- [connection-string](#)
- [delivery-protocol](#)
- [max-queue-size](#)
- [odbc-string](#)
- [reconnection-pause](#)
- [schema-name](#)
- [storing-timeout](#)

### batch-size

**Default Value:** 500

**Valid Values:** 10-5000

**Changes Take Effect:** Immediately

Defines how many records (or events) are stored in internal memory before flushing to the database. For database performance, bulk operations are more efficient than record operation. Changing this parameter defines the size of the bulk database operation.

### connection-string

**Default Value:** No default value

**Valid Values:** Any valid ODBC connection string

**Changes Take Effect:** After restart of Interaction Server

**Introduced:** 8.5.100.17

Configuring a connection string is described on the [ODBC Connection page](#) of the eServices Deployment Guide.

### delivery-protocol

**Default Value:** eventlog

**Valid Values:** mq-series, msmq, eventlog, jms, odbc

**Changes Take Effect:** After restart of Interaction Server

**Modified:** 8.5.100.15

Specifies the delivery protocol to be used for Event Logging. The valid value odbc was added in release 8.5.1.

## max-queue-size

**Default Value:** 20000

**Valid Values:** 10000-100000

**Changes Take Effect:** Immediately

This option is also relevant for JMS Event Logger. This option specifies the maximum number of records (or events) that are kept in memory while waiting to be written to the database or to the JMS-compliant message queue. If the number of queued events becomes greater than the value specified for this option, Interaction Server discards the data, and events are not written to the database or the message queue. When setting this parameter, keep in mind that reporting events, depending on the average event size, may consume large amounts of memory. This parameter should be set to allow for safe failover to the backup DB Server in the case of database event logger. Note that Interaction Server makes immediate attempts to reconnect to DB Server (primary and backup) if the connection is lost.

## odbc-string

**Default Value:** No default value

**Valid Values:** Any valid ODBC connection string

**Changes Take Effect:** After restart of Interaction Server

**Introduced:** 8.5.100.15

Configuring a connection string is described on the [ODBC Connection page](#) of the eServices Deployment Guide. Consult the description of the connection-string option.

## reconnection-pause

**Default Value:** 5000

**Valid Values:** 100-300000

**Changes Take Effect:** Immediately

**Introduced:** 8.5.100.15

Specifies, in milliseconds, the time between repeated attempts to connect to the database, test database integrity, initialize database values, or reconnect to the database when a connection is lost.

## schema-name

**Default Value:** dbo

**Valid Values:** Any valid MS SQL database schema name

**Changes Take Effect:** After restart

Slight differences:

- For MS SQL, specifies the schema name to use to access the database. Note: Logger does not check the accuracy of field definitions. Be sure to correctly define all names and values. Both the name and the value of this option are case-sensitive.

- For Oracle, specifies the schema name to use to access the database when the Interaction Server DAP is configured with a user who is not the schema owner. If the Interaction Server DAP is configured with a user who is the schema owner, you do not need to set this option.

**Note:** In the Interaction Server application configuration options, this option specifies the main Interaction Server database schema name. In the options for the Logger DAP, this option specifies the database schema for event logging.

## storing-timeout

**Default Value:** 500

**Valid Values:** 50-60000

**Changes Take Effect:** Immediately

Specifies the time interval, in milliseconds, between two write operations to the database. This option also makes it possible for the logger to perform a bulk collection of records before storing in the database.

## agent-custom-data Section

- `<custom event content attribute name>`

## <custom event content attribute name>

**Default Value:** No default value

**Valid Values:** field-name;type;length

**Changes Take Effect:** After restart of Interaction Server

This `custom data section of the Event Logger DAP object` specifies the list of EventContent keys that are to be stored in the separate fields of the EventLogger database (the **rpt\_agent** table). For each EventContent key name, you must specify the database field name, its type, and its length. Event Logger will map values of these keys from each custom agent-related event to the appropriate database field. The option name specifies the EventContent key name to be stored in the database in the specified separate field. Each EventContent attribute must be defined as a separate option. The option value has the format `<field-name>;<type>;<length>`, where

- **field-name**—Specifies the database field name. The field name must be exactly as defined in the database. This parameter is mandatory.
- **type**—Specifies the database field type (case sensitive). This parameter is optional; if it is absent, the field type defaults to string. The following types are possible:
  - string. Field type is varchar.
  - integer. Field type is numeric.
  - timestamp. Field type is timestamp.
- **length**—Specifies the length of the field. This parameter is optional and is inferred from the field type. For the string type this parameter defaults to 64.

### Important

Event Logger does not check the accuracy of field definitions. Be sure to correctly define all names and values. Both the name and the value of this option are case-sensitive.

## custom-custom-data Section

- **<custom event content attribute name>**

### <custom event content attribute name>

**Default Value:** No default value

**Valid Values:** field-name;type;length

**Changes Take Effect:** After restart of Interaction Server

This **custom data section of the Event Logger DAP object** specifies the list of EventContent keys that are to be stored in the separate fields of the EventLogger database (the **rpt\_custom** table). For each EventContent key name, you must specify the database field name, its type, and its length. Event Logger will map values of these keys from each custom-related event to the appropriate database field. The option name specifies the EventContent key name to be stored in the database in the specified separate field. Each EventContent attribute must be defined as a separate option. The



option value has the format <field-name>;<type>;<length>, where

- field-name—Specifies the database field name. The field name must be exactly as defined in the database. This parameter is mandatory.\* type—Specifies the database field type (case sensitive). This parameter is optional; if it is absent, the field type defaults to string. The following types are possible:
  - string. Field type is varchar.
  - integer. Field type is numeric.
  - timestamp. Field type is timestamp.\* length—Specifies the length of the field. This parameter is optional and is inferred from the field type. For string type this parameter defaults to 64.

### Important

Event Logger does not check the accuracy of field definitions. Be sure to correctly define all names and values. Both the name and the value of this option are case-sensitive.