Event Auditing Matrix

IDERA SQL Compliance Manager offers different auditing options, each option allows you to audit specific types of SQL Server event data.

> If you choose to audit via Extended Events or Audit Logs, the unavailable information will be gathered from the Trace Events.

Depending on your auditing selection SQL Compliance Manager allows you to capture the following types of event data.

Event	Trace Events (.trc)	Extended Events (.xel)	Audit Logs (.audit)
ApplicationName	Available	Available	Unavailable
ColumnPermissions	Available	Unavailable	Available
BeforeAfter	Available	Available	Unavailable
DatabaseID	Available	Available	Available
DatabaseName	Available	Available	Available
DBUserName	Available	Unavailable	Available
EventClass	Available	Available	Available
EventSequence	Available	-	Available
EventSubClass	Available	Available	Available
FileName	Available	Unavailable	Available
HostName	Available	Available	Unavailable
IsSystem	Available	Available	Unavailable
LinkedServerName	Available	Unavailable	Unavailable
LoginName	Available	Available	Available
NestLevel	Available	Available	Available
ObjectID	Available	Unavailable	Available
ObjectName	Available	Unavailable	Available
ObjectType	Available	Unavailable	Available
OwnerName	Available	Unavailable	Unavailable
ParentName	Available	Unavailable	Unavailable
Permissions	Available	Unavailable	Available
ProviderName	Available	Unavailable	Unavailable
RoleName	Available	Unavailable	Unavailable
RowCounts	Available	Available	Unavailable
ServerName	Available	Available	Available
SessionLoginName	Available	Available	Available
SPID	Available	Available	Available
StartTime	Available	Available	Available
Success	Available	Unavailable	Available
TargetLoginName	Available	Unavailable	Available
TargetUserName	Available	Unavailable	Available
TextData	Available	Available	Available

Extended Events captures extra Execute events

Due to differences in how Microsoft has implemented Extended Events compared to other auditing methods, when auditing via Extended Events the user will see extra Execute events as compared to the same data captured by other auditing methods.

NOTE

- The Extended Events auditing feature is only available with SQL Server 2012 and newer.
- The Audit Logs auditing feature is only available with SQL Server 2017 and newer.

SQL Compliance Manager Calculated Columns

Depending on your auditing selection SQL Compliance Manager allows you to capture the following calculated columns event data type.

Event	Trace Events (.trc)	Extended Events (.xel)	Audit Logs (.audit)
alertLevel	Available	Available	Available
appNameId	Available	Available	Unavailable
details	Available	Unavailable	Available
endSequence	Available	Available	Available
endTime	Available	Available	Available
eventCategory	Available	Available	Available
hash	Available	Available	Available
hostId	Available	Available	Unavailable
loginId	Available	Available	Available
privilegedUser	Available	Available	Available
startSequence	Available	Available	Available
targetObject	Available	Unavailable	Available