[ODBC] Connection string property allow-list

Last updated by | Binlu Wang | Aug 29, 2022 at 1:14 AM PDT

There are potential security vulnerabilities when using certain features in some third-party drivers. In order to protect our service, we added an allow-list to all ODBC driver connectors, now all properties outside the list will be ignored implicitly. This is impacting SHIR whose version >= 5.17.8154.2.

Below Kusto query can be leveraged for getting a complete list of ODBC connection string properties, in case you get multiple log entries returned, focus on the one with the most properties.

For cloud IR,

```
CustomLogEvent
| where ActivityId == "<copy activity run id>"
| where TraceMessage== "OdbcConnectionStringPropertyName"
```

For SHIR,

```
TraceGatewayLocalEventLog
| where UserReportId == "<user report id>"
| where LocalMessage has "<copy activity run id>" and LocalMessage has "OdbcConnectionStringPropertyName"
```

The allow-list is configured with [transfer service EC](#) 🔗, and it is different for Azure IR and SHIR, please see the following attachments for details.

Runtime Type	EC Name	Allow-list
Azure IR	OdbcConnectionStringPropertyAllowedListOnAzureIR	[ODBC property allow-list on Azure IR.json](#)
SHIR	OdbcConnectionStringPropertyAllowedListOnSHIR	[ODBC property allow-list on SHIR.json](#)