

Advantech SE Technical Share Document

Date	2020 / 01 / 20						
Category	🗆 FAQ 🗆 SOP	Related Product	ESRP-PCS series / ESRP-CSS series				
	Driver Tech Note						
Abstract	How to connect EdgeLi	nk ODBC driver to	SQL server				
Kowword	WISE-PaaS EdgeLink / ODBC / SQL server						
Reyword							
Related OS	Linux						
		Revision History					
Date	Version	Author	Reviewer	Description			
2020/01/20	V1.0 E	Black Chang	Nick Liu	WISE-PaaS EdgeLink V2.5.2			

Problem Description & Architecture:

How to connect EdgeLink ODBC driver and SQL server



Brief Solution - Step by Step:

1. Select the device type ODBC-MSSQL in the device interface, and can be configured to collect data via an online ODBC server.



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Enabling an Intelligent Planet

- 2. In the device interface, enter the ODBC service configuration
 - 2-1. Enter Server IP address and port number
 - 2-2. Select Version of SQL Server (SQL Server2008, SQL Server2005, SQL Server2000 and so on)
 - 2-3. Enter Login ID (The user name required for logging in SQL Server)
 - 2-4. Password (The password required for logging in SQL Server)
 - 2-5. Database (The name of the database that you need to log in)

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3. Data acquisition script



Click on the address bar of the Tag edit interface to edit the SQL scripts for data collection, Which "SQL Script" enter the SQL query script, "Column Name" enter the column name of the query result.



Please refer the example:

A. EdgeLink setting

-IP Address: 172.16.12.69

-Port Number: 1433

-Version: Microsoft SQL Server 2008

-Login ID: sa

-Password: qq123456

-Database: Black-test

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Galvation Tag Galvation Tag Galva	IP Address: 172.16.12.69 Port Number: 1433 Extention Properties Version: Microsoft SQL Server 2008 ▼ Login ID: sa Password: [qq123456 Database:	

Create a Tag on the IO Tag -Column Name: DataVlaue

-SQL Script: select DataValue from dbo.Data_Backup_SYS_UPTIME where ID='2000'

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B. SQL server setting

-Login Name: sa

-Password: qq123456

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-setting TCP Port: 1433

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-Enable "Shard Memory" "Named Pipes" "TCP/IP"

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C. Monitor Tag of EdgeLink and SQL Server Management Studio

-Tag of EdgeLink: 14580.30

S Online Help		Advantech EdgeLi	nk Studio		- 8 ×
Heb About					
Online Device «	🖄 Online Monitor(Black-test) 🛛 🗙				
Device]Black-test - 172.16.12.75	WISE-710-A2				1 Sign Out
JECU1051_DQA(D0 not touch) - 1/2.16.12.]ECU1051_modbus_FTP - 172.16.12.231 JECU1051_Halay_260_172.16.12.179	Tags	BoardIO:DI_1	1	Good	2020-01-20T07:35:09 (UTC)
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		BoardIO:DO_2	0	Good	2020-01-20T07:35:09 (UTC)
		BoardiO:DO_3	0	Good	2020 01 20T07-35-09 (UTC)
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- SQL Server Management Studio: 14580.296685

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Pin Definition (in case of serial connection):

Reference: