

ARBURG Data Collection

UŽIVATELSKÝ MANUAL

ING. RADOMÍR TURČA

OPC UA Client

Přehled sledovaných parametrů.

ARBURG DataCollection (v1.0.0)

opc.tcp://192.168.11.111:4880/Arburg

http://opcfoundation.org/UA/SecurityPolicy#None (None)

BrowseName	Value	NodeClass	DataType	NodeId	DisplayName	Description
Root		Object (1)			Root	

DisplayName	Value	TimeStamp	Description	rowseNam	NodeId	NodeClass	DataType
f052-Value	1020245	12:20:33.832 2021.09.30	value of the parameter	Value	ns=2;i=412862	Variable (2)	String (ns=0;i=12)
f052B-Value		12:20:33.880 2021.09.30	value of the parameter	Value	ns=2;i=412872	Variable (2)	String (ns=0;i=12)
f9007I-Value	MATERIAL:ALCOM PA66 910/1 SLDS,084189 TOPENI FORMY:...	12:20:33.880 2021.09.30	value of the parameter	Value	ns=2;i=238922	Variable (2)	String (ns=0;i=12)
t085-Value	29.549999237060547	12:20:33.906 2021.09.30	value of the parameter	Value	ns=2;i=416422	Variable (2)	Float (ns=0;i=10)
f077-Value	3220	12:20:33.933 2021.09.30	value of the parameter	Value	ns=2;i=239002	Variable (2)	Int32 (ns=0;i=6)
f087-Value	0	12:20:33.959 2021.09.30	value of the parameter	Value	ns=2;i=239022	Variable (2)	Int32 (ns=0;i=6)

Log

2021.09.30 12:17:45 [Info] Connected to server: opc.tcp://192.168.11.111:4880/Arburg
2021.09.30 12:17:45 [Debug] Client state changed QOpcUaClient::Connected
2021.09.30 12:17:45 [Debug] Client state changed QOpcUaClient::Connecting
2021.09.30 12:17:45 [Info] Application Dark style, DPI: 96
2021.09.30 12:17:45 [Info] Application Dark style, DPI: 96

Settings

Connected to server: opc.tcp://192.168.11.111:4880/Arburg

Database [Connect] OpcUa [Connect]

OPC UA Client - Dark style

Tabulka:

- DisplayName – jméno parametru
- Value – hodnota
- TimeStamp – čas posledního čtení
- Description – popis parametru
- BrowseName – jméno prohledávání
- NodeId – id hodnota parametru
- NodeClass – třída
- DataType – typ řetězec/číslo....

ARBURG DataCollection (v1.0.0)

Application Style Window Help

opc.tcp://192.168.11.111:4880/Arburg

http://opcfoundation.org/UA/SecurityPolicy#None (None)

BrowseName	Value	NodeClass	DataType	NodeId	DisplayName	Description
Root		Object (1)			Root	

DisplayName	Value	TimeStamp	Description	BrowseName	NodeId	NodeClass	DataType
f052-Value	1020245	12:23:41.838 2021.09.30	value of the parameter	Value	ns=2;i=412862	Variable (2)	String (ns=0;i=12)
f052B-Value		12:23:41.894 2021.09.30	value of the parameter	Value	ns=2;i=412872	Variable (2)	String (ns=0;i=12)
f9007I-Value	MATERIAL:ALCOM PA66 910/1 SLDS,084189 TOPENI FORMY:...	12:23:41.894 2021.09.30	value of the parameter	Value	ns=2;i=238922	Variable (2)	String (ns=0;i=12)
t085-Value	29.549999237060547	12:23:41.935 2021.09.30	value of the parameter	Value	ns=2;i=416422	Variable (2)	Float (ns=0;i=10)
f077-Value	3244	12:23:41.957 2021.09.30	value of the parameter	Value	ns=2;i=239002	Variable (2)	Int32 (ns=0;i=6)
f087-Value	0	12:23:41.977 2021.09.30	value of the parameter	Value	ns=2;i=239022	Variable (2)	Int32 (ns=0;i=6)

Log

```

2021.09.30 12:23:37 [Info] Application Light style, DPI: 96
2021.09.30 12:17:45 [Info] Connected to server: opc.tcp://192.168.11.111:4880/Arburg
2021.09.30 12:17:45 [Debug] Client state changed QOpcUaClient::Connected
2021.09.30 12:17:45 [Debug] Client state changed QOpcUaClient::Connecting
2021.09.30 12:17:45 [Info] Application Dark style, DPI: 96
2021.09.30 12:17:45 [Info] Application Dark style, DPI: 96
  
```

Database [Connect] OpcUa [Connect]

OPC UA Client - Light style

Proměnné:

Root/Objects/Arburg/ProductionControl/f052/Value	ns=2;i=412862
Root/Objects/Arburg/ProductionControl/f052B/Value	ns=2;i=412872
Root/Objects/Arburg/ProductionControl/f077/Value	ns=2;i=239002
Root/Objects/Arburg/ProductionControl/f087/Value	ns=2;i=239022
Root/Objects/Arburg/ProductionControl/f9007I/Value	ns=2;i=238922
Root/Objects/Arburg/ProductionControl/t085/Value	ns=2;i=416422

Log

Soubor s logem je uložen v adresáři aplikace - ArburgDataCollection.log. Data souboru odpovídají obrazovce Log aplikace.

Ukázka souboru:

```
2021.04.13 09:10:47 [Info] Application start, ver: v1.0.0
2021.04.13 09:10:48 [Info] Application Dark style, DPI: 96
2021.04.13 09:10:48 [Info] Application Dark style, DPI: 96
2021.04.13 09:10:48 [Debug] Client state changed QOpcUaClient::Connecting
.....
2021.04.13 09:10:52 [Info] Application close, return code: 0
```

Database Browser

Seznam připojených databází s tabulkami.

ARBURG DataCollection (v1.0.0)

Application Style Window Help

OPC UA Client
Database Browser

Connections

	datetime	f052	f052B	f077	f087	f9007I	t085	status	piece
149	30.09.2021 12:21	1020245		3228	0	MATERIAL:ALCOM PA66 910/1 SLDs...	29.55	1	4
150	30.09.2021 12:21	1020245		3232	0	MATERIAL:ALCOM PA66 910/1 SLDs...	29.55	1	4
151	30.09.2021 12:22	1020245		3236	0	MATERIAL:ALCOM PA66 910/1 SLDs...	29.55	1	4
152	30.09.2021 12:22	1020245		3240	0	MATERIAL:ALCOM PA66 910/1 SLDs...	29.55	1	4
153	30.09.2021 12:23	1020245		3244	0	MATERIAL:ALCOM PA66 910/1 SLDs...	29.55	1	4
154	30.09.2021 12:23	1020245		3248	0	MATERIAL:ALCOM PA66 910/1 SLDs...	29.55	1	4
155	30.09.2021 12:24	1020245		3252	0	MATERIAL:ALCOM PA66 910/1 SLDs...	29.55	1	4
156	30.09.2021 12:24	1020245		3256	0	MATERIAL:ALCOM PA66 910/1 SLDs...	29.55	1	4

SQL Query

Log

2021.09.30 12:23:37 [Info] Application Light style, DPI: 96
2021.09.30 12:17:45 [Info] Connected to server: opc.tcp://192.168.11.111:4880/Arburg
2021.09.30 12:17:45 [Debug] Client state changed QOpcUaClient::Connected
2021.09.30 12:17:45 [Debug] Client state changed QOpcUaClient::Connecting
2021.09.30 12:17:45 [Info] Application Dark style, DPI: 96
2021.09.30 12:17:45 [Info] Application Dark style, DPI: 96

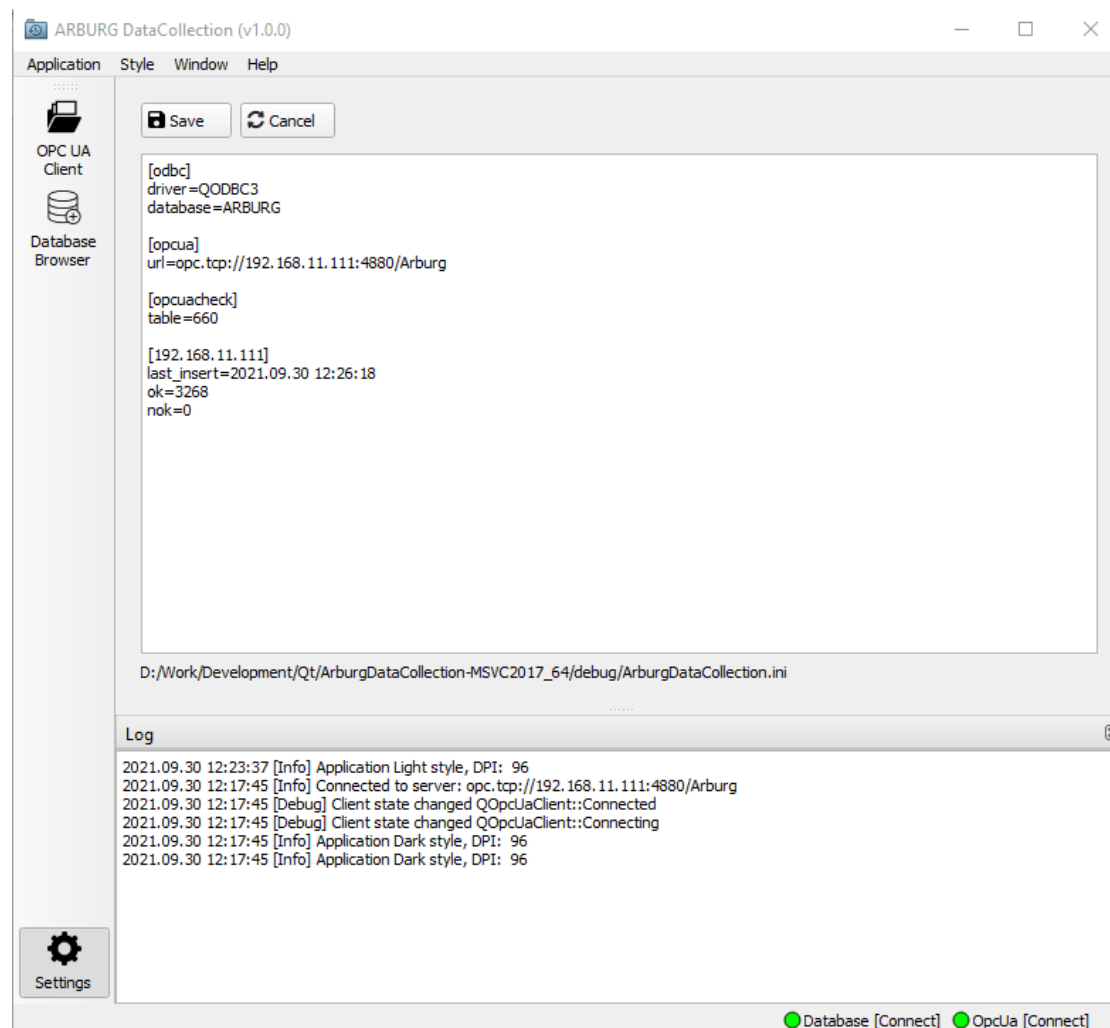
Settings

Database [Connect] OPC UA [Connect]

```
CREATE TABLE `ARBURG`.`660` (  
  `datetime` DATETIME NOT NULL,  
  `f052` VARCHAR(45) NOT NULL,  
  `f052B` VARCHAR(45) NOT NULL,  
  `f077` INT NOT NULL,  
  `f087` INT NOT NULL,  
  `f9007I` VARCHAR(255) NOT NULL,  
  `t085` DOUBLE NOT NULL,  
  `status` INT NOT NULL,  
  `pieces` INT NOT NULL);
```

Settings

Přehled nastavení. Soubor „ArburgDataCollection.ini“ je uložen v adresáři aplikace.



EngelDataCollection.ini:

```
[odbc]
driver="QODBC3"
database="ksr"          jméno databáze
user="KSR"              uživatel jméno
password="ksr"          heslo
host="127.0.0.1"        IP adresa počítače s databází

[opcua]
url="opc.tcp://192.168.11.111:4880/Arburg"    opc server
;user="host_computer"
;password=" "

[opcuacheck]
table="660"            Tabulka databáze pro zápis hodnot
```