

Code Repositories

Source codes implemented from Smart Factory Project in VSWG are now available in public. For more information, please visit the regarding repositories listed as follows.

OPC-UA Device Service

Repository Name	Description
protocol-opcua-c	OPC-UA protocol stack library in C
protocol-opcua-java	OPC-UA protocol stack library in Java
device-opcua-java	Device Service of OPC-UA in Java

Command Data Model

Repository Name	Description
datamodel-command-go	Command Data Model in GoLang (Command of metadata in GoLang)
datamodel-command-java	Command Data Model in Java (Command of metadata in Java)

Edge Data Streaming ("ezMQ")

Repository Name	Description
protocol-ezmq-c	C-based ezMQ library (Real-time messaging framework "ezMQ" in C)
protocol-ezmq-cpp	C++-based ezMQ library (Real-time messaging framework "ezMQ" in C++)
protocol-ezmq-go	GoLang-based ezMQ library (Real-time messaging framework "ezMQ" in GoLang)
protocol-ezmq-java	Java-based ezMQ library (Real-time messaging framework "ezMQ" in Java)
protocol-ezmq-node	Node.js binding for protocol-ezmq-cpp
protocol-ezmq-python	Python-based ezMQ library (Real-time messaging framework "ezMQ" in python) (<i>TBD</i>)

Data Representation (AutomationML)

Repository Name	Description
datamodel-aml-c	C library to present key-value based raw data to AutomationML (AML) standard format
datamodel-aml-cpp	C++ library to present key-value based raw data to AutomationML (AML) standard format
datamodel-aml-go	GoLang library to present key-value based raw data to AutomationML (AML) standard format
datamodel-aml-java	Java library to present key-value based raw data to AutomationML (AML) standard format
datamodel-aml-node	Node.js library to present key-value based raw data to AutomationML (AML) standard format

Service Deployment Solution ("Pharos")

Repository Name	Description
system-pharos-anchor-go	System management - "Pharos" anchor in GoLang (Container deployment)
system-pharos-node-go	System management - "Pharos" node in GoLang (Container deployment)
system-pharos-web-client	System management - Web Client application for "Pharos" anchor and node services in GoLang