DxpSERVER

OPC UA Information Model

Transforming data from "numerical values" to "meaningful information"

-A common language to give meaning to data -

OPC Server New Features!

What is the OPC UA Information Model?

The OPC UA information model is a mechanism that allows the address space to be defined not merely as a set of variables, but as structured information.

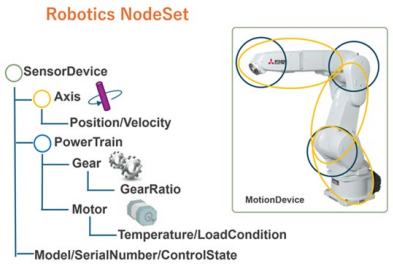
No information model

DATA
DM0000=0x5138
DM0001=111000100010
DM0002
:
DM0255

The question “What was this number again?" arises

- The data structure differs from manufacturer to manufacturer.
- Checking and understanding the specifications is difficult...
- Documentation takes a lot of time and effort.

Information model available



"What kind of data is this?"

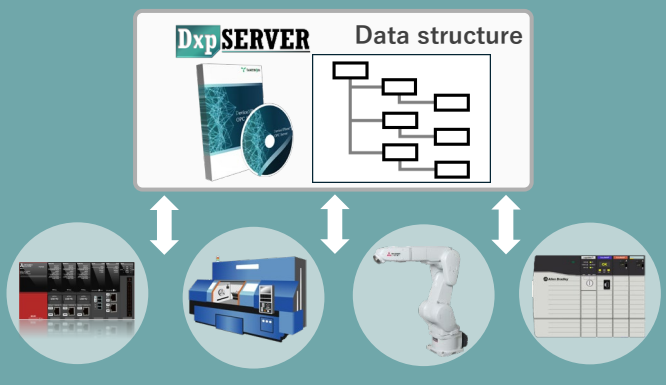
- The data structure is manufacturer-independent.
- It is clear what data is located where.
- Smooth collaboration reduces startup time.

OPC UA Information Model Application Scenarios

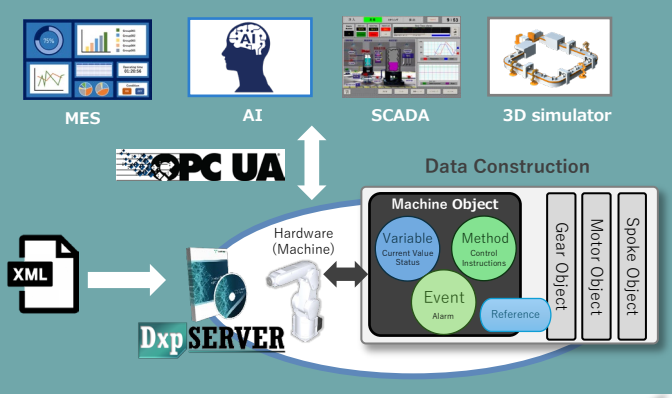
- I want to structure and utilize equipment data.
- We want to improve the reusability of the data.
- I want to simplify system integration.
- We want to reduce the effort required to set up the system.

\ What you can do with Device Explorer OPC Server /

1. Even if equipment and devices from a wide variety of manufacturers are mixed together, they can be handled using the same data structure.



2. Seamless integration from data collection to data utilization is possible.



Leave your OPC UA information model needs to Takebishi!

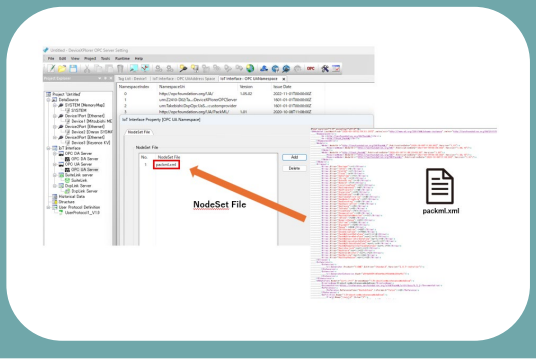
DxpSERVER

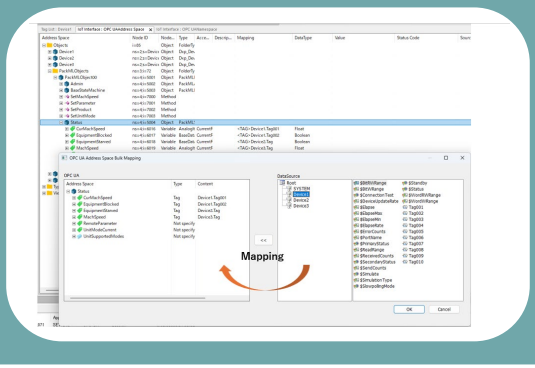
For detailed features and use cases, please see the reverse side.

\ Feature Details /

Importing NodeSet files

By importing the NodeSet file from the DeviceXPplorer OPC Server screen, the data structure described in the NodeSet file is deployed into the OPC server's address space.



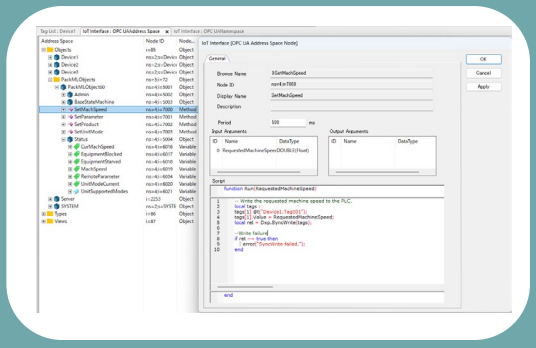


Data Mapping

This process imports a NodeSet file, expands the nodes into the address space, and maps them to the device/PLC data (tags).

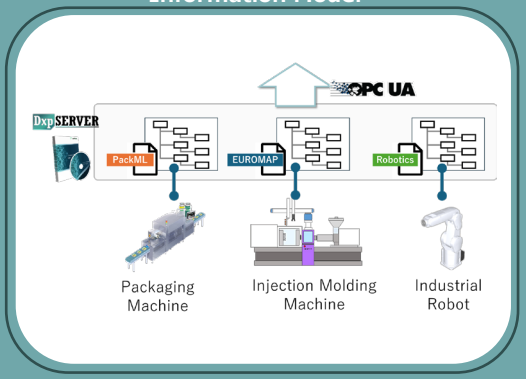
Control Behavior and Events

The scripting function enables control over method and event triggering.
Scripts can be freely developed by users using the Lua language, allowing them to control each process during method execution, the timing of event triggering, and the data to be triggered.

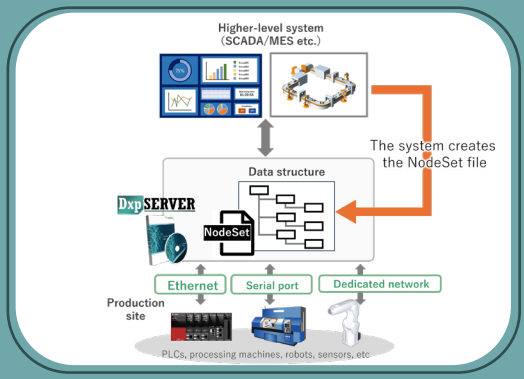


Use Cases

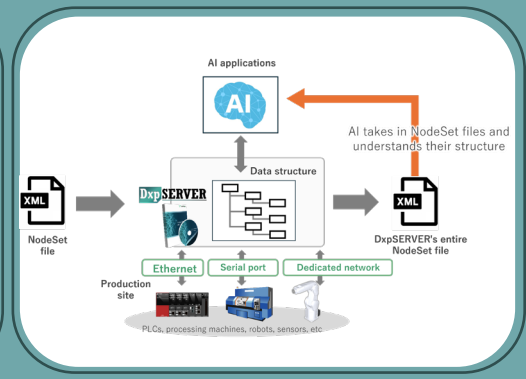
Utilization of Companion Specification Information Model



Utilization of proprietary models



AI collaboration



If you are considering introducing or utilizing the OPC UA information model, please feel free to contact us!

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Device Explorer
Check the OPC Server Catalog!

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