

# Amoba OPC Server

for use in

## MAESTRO Ux

by Hartmann & Braun ( ABB )

The Amoba OPC Server is designed to interchange Datas from all connected DCS  
which are operated by Maestro Ux

The Amoba Server supports DA ( V1.0, V2.0, V3.0 ) and runs with tagfunctions that deliver  
Bool, Integer, RealValues ( other Dataformats on request )

For Tag Quantities please contact us

This OPC runs as an DA poll or report mode server ( update Values in sycron, asyncon mode )  
and uses the standart OLE connection that is already an feature of Maestro Ux

The Server is available to connect functions in Contronic S ( Maestro UX > V1.2 ) based on

Melody  
Contronic E  
Contronic P  
Freelance

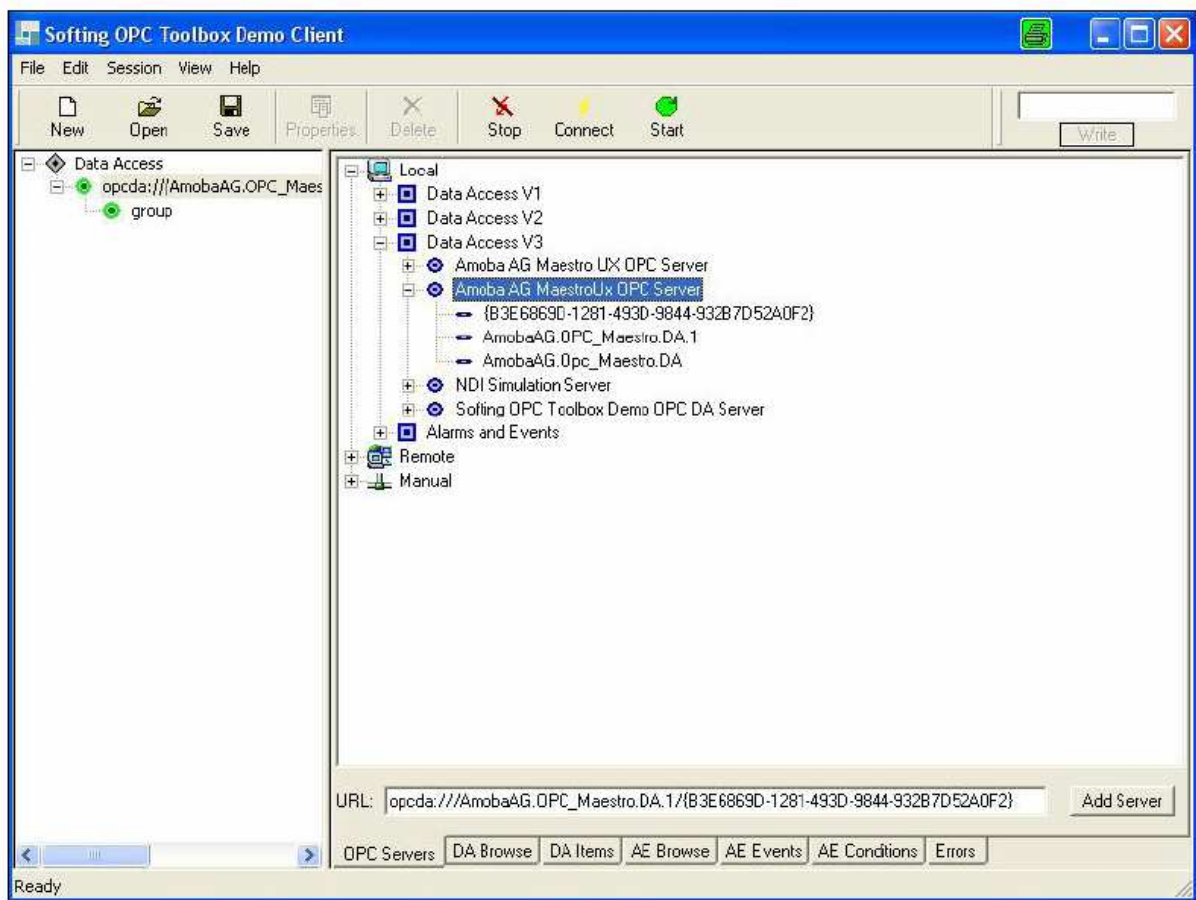
To get the best performance of connections we need to get your system datas.  
Major information is the “ lspkg.pl “ , the system load and of course the system structure.

Also we offer the service to collect the needed datas onsite at your system to serve you with  
an professional offer .

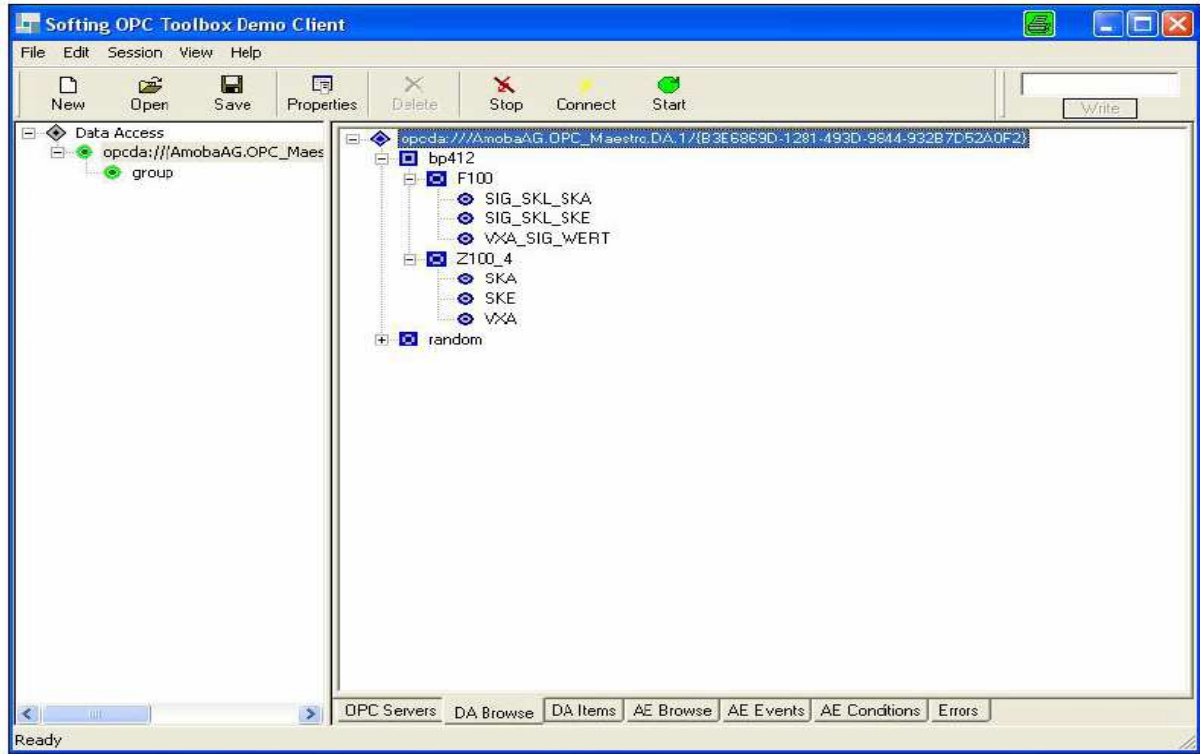
The OPC for Maestro UX operates on Windows XP, Windows 7, Windows 8, Windows Server 2003, Windows Server 2008, Windows Server 2012 in 32bit and 64bit environment.

See attached example by using Amoba OPC Server:

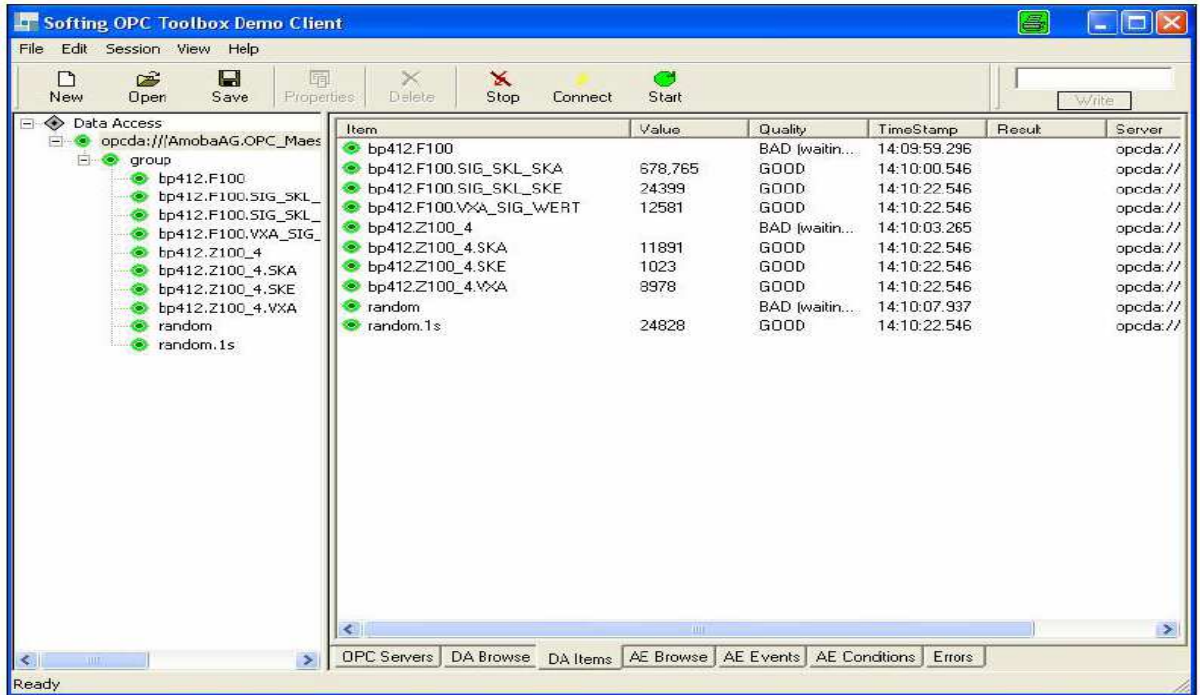
First locate your Server:



Next Browse your Tags which where imported from Amoba OPC Utility:



At least, read or write your Tags:



**By The way, you can use the Amoba OPC Server also to get Tags which are separated by “ dot “**

Along with the Amoba Server you will have an configuration utility to set your tags proper to OPC, by verify the tags with selectors:

First you have to check your communication parameters to reach the workstation.  
When the Station ID and the the System Time is supported by “ read WS ID “

You start to select the functions bay Tag/Selector input and choose “ Read Tag/Selector”:

The screenshot shows the 'OPC Server Maestro Ux' window with the following fields and controls:

- OLE Communication:** Text box containing 'OPC2', with a 'Start Communication' button to its right.
- Workstation ID + DT:** Text box containing 'acs411', a text box containing 'MESZ 25.04.14 17:26:28.292', and a 'read WS ID' button.
- Tag/Selector Section:**
  - Labels: 'Tag/Selector:', 'Selector Value:', 'last Time Stamp'
  - Text boxes: 'PI411113/XXA/SIG/WERT|', an empty box, and an empty box.
  - Button: 'Read Tag/Selector'
- Tag Section:**
  - Labels: 'Tag:', 'Function', 'Short Text:', 'Long Text:'
  - Text boxes: an empty box, an empty box, an empty box, and an empty box.
  - Buttons: 'Read Tag' and 'Delete Tag from OPC'
- Apply to OPC Section:**
  - Text: 'Apply to OPC - Init File ( OPC restart requestetd )'
  - Text: 'from "Read Tag", if valid for OPC'
  - Text box: an empty box.
  - Checkbox: 'Selector write enable' (unchecked).
  - Button: 'Apply to OPC Server'
- Message Box:**
  - Text: 'Message Box:'
  - Text: '25.04.2014 17:31:09 | Programm gestartet'

When the selector is verified as an Tag that is supported by Amoba OPC Server you will receive the additional function parameters:

The screenshot shows the 'OPC Server Maestro Ux' application window. It contains several sections for configuring and interacting with an OPC server:

- OLE Communication:** A text field containing 'OPC2' and a 'Start Communication' button.
- Workstation ID + DT:** A text field containing 'acs411', a date/time field containing 'MESZ 25.04.14 17:26:28.292', and a 'read WS ID' button.
- Tag/Selector Section:** A 'Tag/Selector' field containing 'PI411113/VXA/SIG/WERT', a 'Selector Value' field containing '0', and a 'last Time Stamp' field containing '25.04.2014 17:28:26.802'. Below these is a 'Read Tag/Selector' button.
- Tag Details Section:** A table-like structure with four columns: 'Tag', 'Function', 'Short Text', and 'Long Text'. The values are: 'PI411113', '\$CSCANMON', 'EINTR.1.ST', and 'C411161,EINTR.1.STUFE'. Below are 'Read Tag' and 'Delete Tag from OPC' buttons.
- Apply to OPC Section:** A checkbox labeled 'Selector write enable' (which is unchecked) and an 'Apply to OPC Server' button. A note above reads 'Apply to OPC - Init File ( OPC restart requestetd )' and 'from "Read Tag", if valid for OPC'.
- Message Box:** A text area containing the message '25.04.2014 17:31:09 | Programm gestartet'.

By selecting the button “ Read Tag “ you pass the quantity requests and the tag name will be shown “ ....valid for OPC “.

OPC Server Maestro Ux

OLE Communication: OPC2 Start Communication

Workstation ID + DT: acs411 MESZ 25.04.14 17:26:28.292 read WS ID

Tag/Selector:	Selector Value:	last Time Stamp
PI411113/XXA/SIG/WERT	0	25.04.2014 17:28:26.802

Read Tag/Selector

Tag:	Function	Short Text:	Long Text:
PI411113	\$CSCANMON	EINTR.1.ST	C411161,EINTR.1.STUFE

Read Tag Delete Tag from OPC

from "Read Tag", if valid for OPC: PI411113

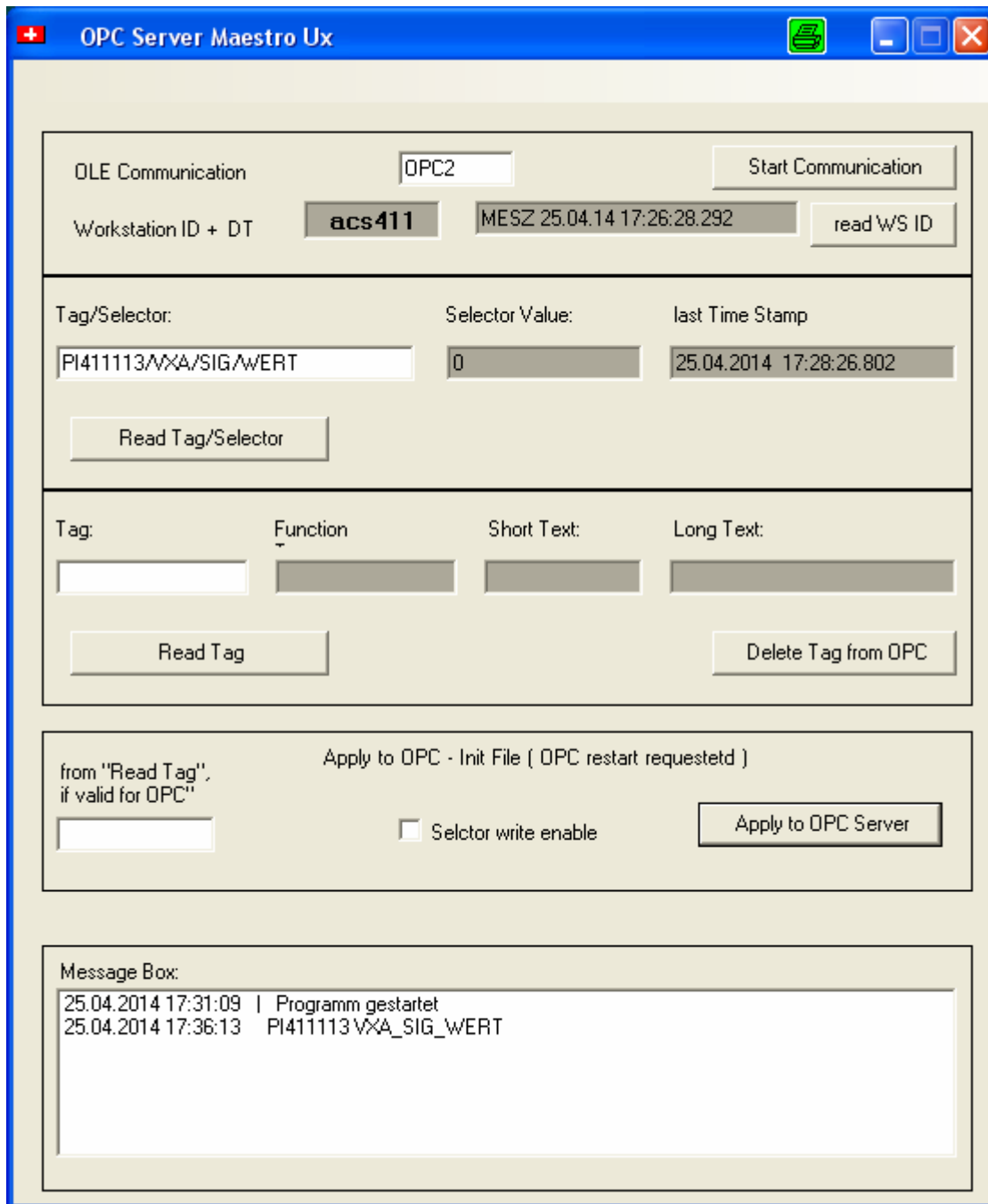
Apply to OPC - Init File ( OPC restart requestetd )

Selector write enable Apply to OPC Server

Message Box:  
25.04.2014 17:31:09 | Programm gestartet

If you would like to set the Selector also as “ Write enable “ click to the check box and send the datas to OPC using “ Apply to OPC “

The tag / selector is listed in the the Tex Box and it is importet to the OPC start up file. The inputs will be blanked but we left “ Tag / Selector “ for using the next Selector for this funktion to be appended.



This programm also protect the OPC Tags for double inputs and of course you can select the “Tag/Selector “ once mor to change write permissions. The last apply is valid.

Now you have to stop and restart yor OPC clients.

**Be aware of needed values when restart the OPC Server !**