

demig Prozessautomatisierung GmbH

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Instructions for exchanging a demig controller connected to prosys/2 v6.0 or later		

This HowTo describes the steps to restore the controller configuration / PLC program when replacing a

demig controller DE-VR4001 / DE-VR4008 / DE-VX4100 / DE-VX 4600

which is connected to the prosys/2 supervisory system.



Please read the full document first!



This document cannot describe the mechanical and electrical peripheral conditions as well as any security measures necessary to exchange the controller. Ask the machine manufacturer for detailed instructions. Only trained technicians are permitted to execute these steps.



The new controller must have the soft- and hardware features necessary to be used with the machine.



While restoring the configuration (PLC program), existing programs and data on the new device will be deleted. If you still need them, you have to backup them by other means, e.g. FTM.



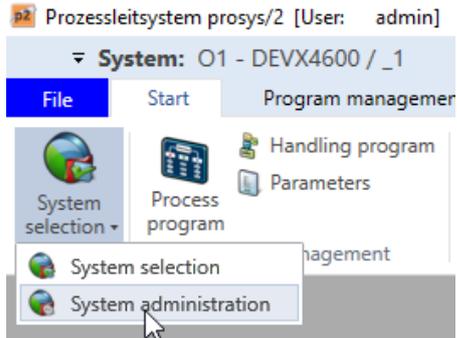
If the old controller is of type DE-VR 4001 / 4008 and the new controller of type DE-VX 4110 / 4115 / 4600, you **MUST** setup manually all settings concerning external interfaces (COM1 / COM2) at new device. This will not be done automatically! Are those interfaces not used/connected please skip this step.

When all preconditions are fulfilled, please follow these steps:

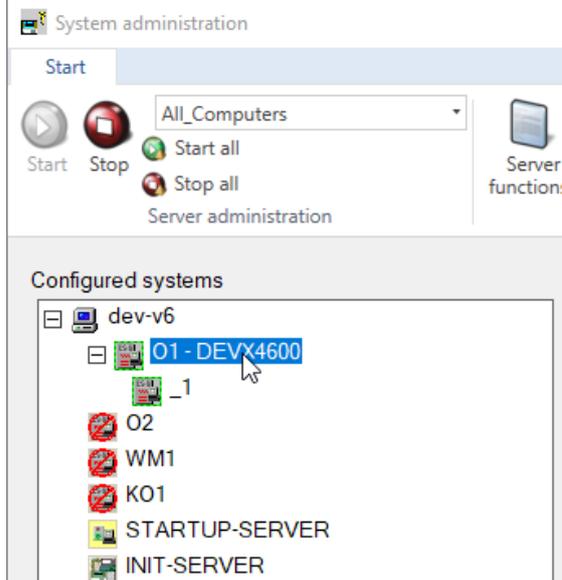
1. In the supervisory system there is one program module for each connected controller, which is responsible for the communication with this device. This module is called CServer.
2. Do not shut down the CServer while changing a controller.
3. Before removing the old controller, note which cables are connected to which port.
4. Switch off the old device and disconnect all cables. Mount the new device and connect only the communication cable for the supervisory system. Switch on the new device.
5. Check the communication settings in the controller menu "Auxiliary programs / Settings". (Baudrate, protocol, IP Address, Subnet mask, Gateway)

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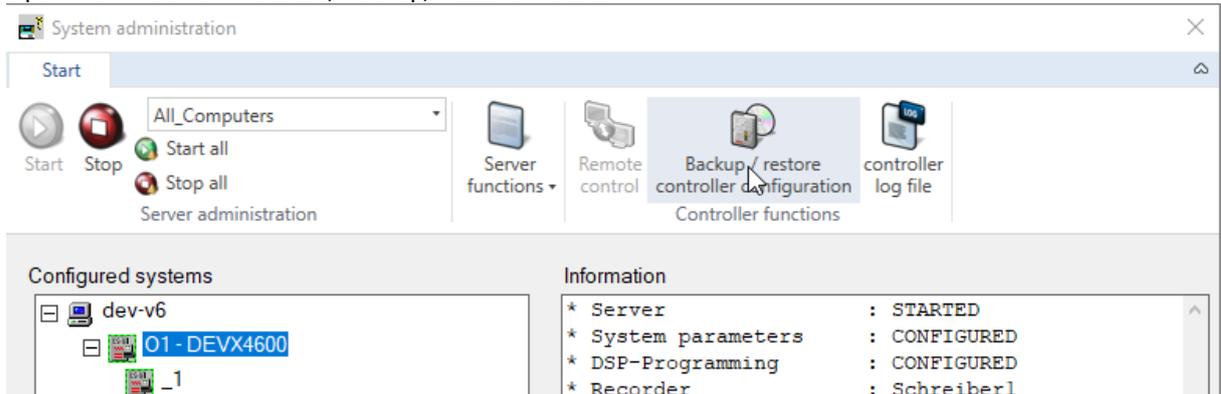
- Once the controller has started, go to prosys/2 and open the menu "Start / System administration".



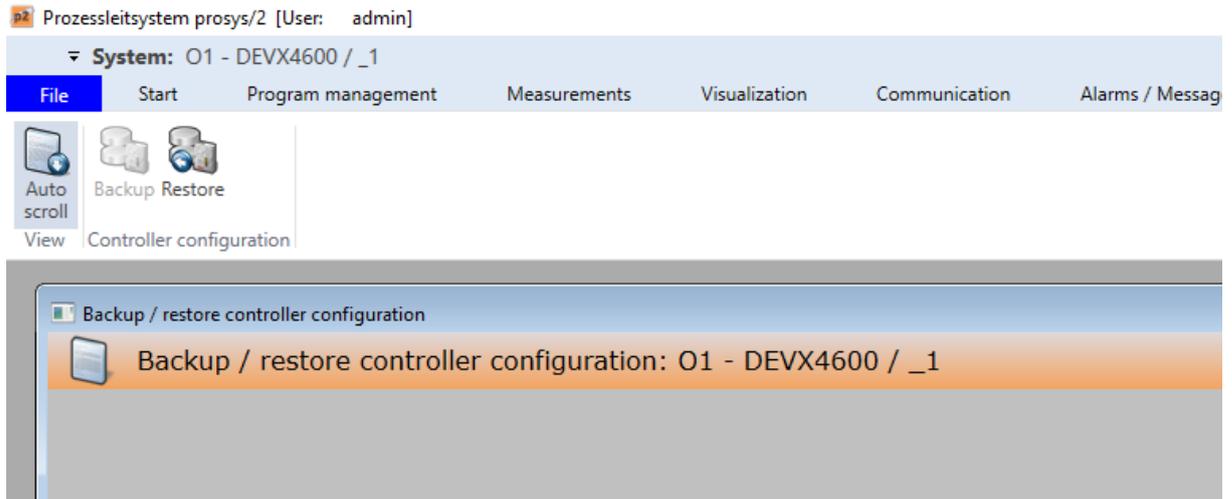
- Select the furnace in the list.



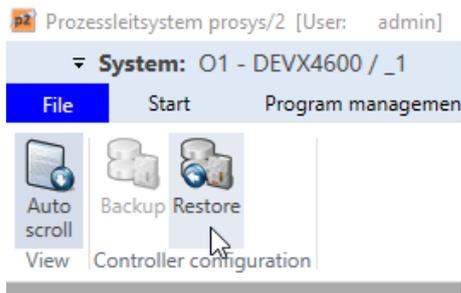
- Open menu "Server-Protocol / Backup/Restore-Protocol":



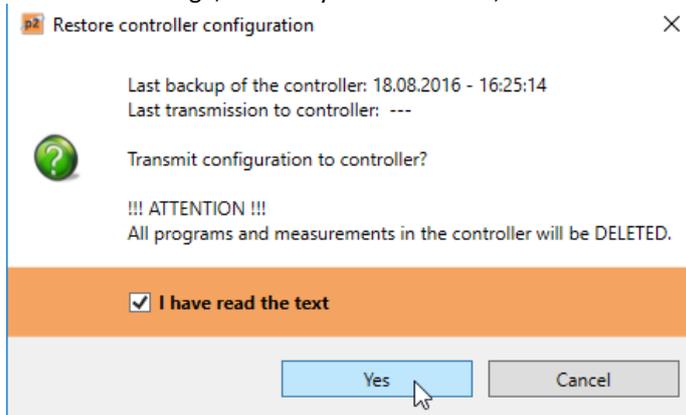
9. A new window will be opened.



10. Click the second button (Start restore of controller):



11. Check the message, confirm you have read it, and click "Yes" to start.



12. The configuration will be restored. Follow the instructions on the screen. The controller may restart several times.

13. When the restore succeeded, switch off the controller and connect all cables.

14. Check the system parameters and, if you want, send programs to the controller.