Description of

Firmware Update

for

IS1+ CPU 9442

Firmware Update IS1+ CPU 9442

> Do not switch off the IS1+ CPU & Power Module and do not disconnect the Ethernet cable between PC and CPU during a firmware update.
> Read the information about the new features of the firmware carefully. A new firmware may have different behaviour.
> An interruption of the firmware update can lead to a malfunction or loss of function of the IS1+ CPU.
> If you have any questions or problems in connection with the firmware update, please contact your local R. STAHL representative or our support team. You will find the contact details at the end of this document.

Preparation

Make sure the IS1+ CPU 9442 is running, connected via Ethernet cable to your PC and accessable by a web browser.
A CPU which is active and in DataExchange can not be updated. CPU must be set out of DataExchange prior to start firmware update.

If the current firmware version is V1.0.22 or lower, redundant CPU must be updated separately.
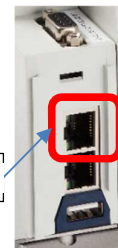If the current firmware version is V1.0.22 or higher, redundant CPU can be updated one after the other without removing the CPU. It is not recommended to update the backup CPU while the active CPU is in DataExchange.

Both CPU must be updated to the same firmware version before going to DataExchange again.

Important: Connect Ethernet cable to the upper port **X2.P1** of the IS1+ CPU to do a firmware update!
The X2.P2 is not available if CPU runs in update mode

X2.P1

To find the actual IP address of the CPU, use the tool *IS1+Detect* (free download from www.r-stahl.com)
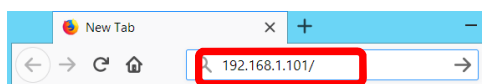

installed firmware version

IP-Address is **192.168.1.101** (subnet mask 255.255.255.0) is the factory default IP address of the CPU.

If the *IS1+Detect* tool shows multiple CPUs with the same IP address, the address of the CPU to be updated must be set to a unique IP address before starting the update. See CPU user manual for more information about setting the IP addess.

The following steps are required to update the firmware:

1. Unzip Firmware-Update ZIP-file (e.g. "IS1+9442CPU FW V01.01.06-0008.ZIP") into a local folder on your PC. Firmware file for download has the same name as the ZIP file "IS1+9442CPU FW V01.01.06-0008.swu" with suffix "swu".

2. Start your web browser (Firefox recommended)

3. Enter the IP-SB address of CPU in web browser and press "**return"**
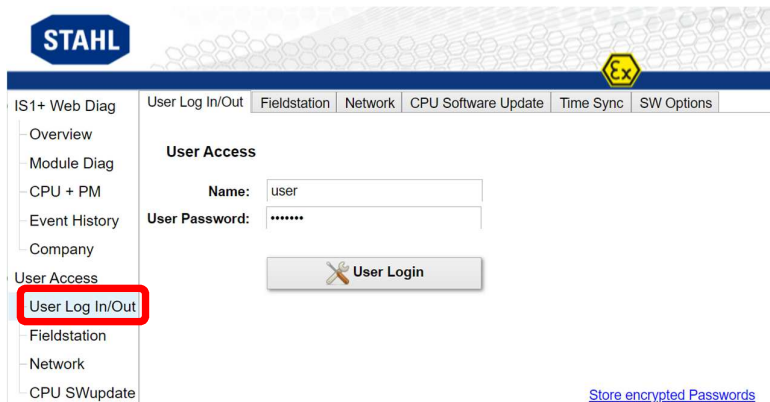
Firmware Update IS1+ CPU 9442
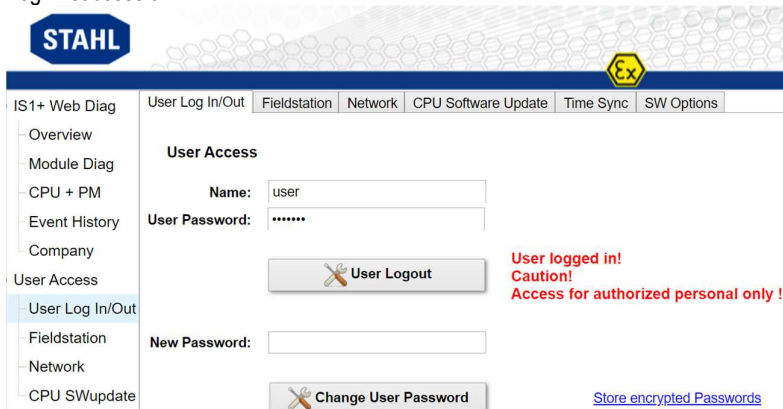
4. The main page of the CPU's webserver appears

5. Click onto "**User Log In/Out**"

   - Type User Password, as set by user. Factory default password is: "**R.STAHL**" (without blanks). If password is not known, please read user manual or contact R. STAHL support team.
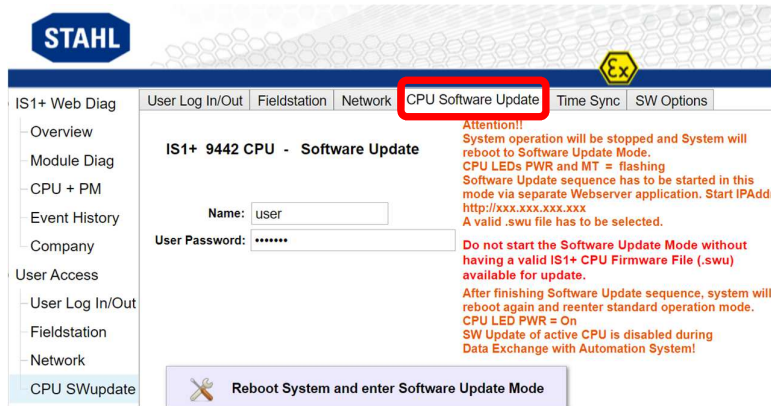   - Click onto "**User Login**"
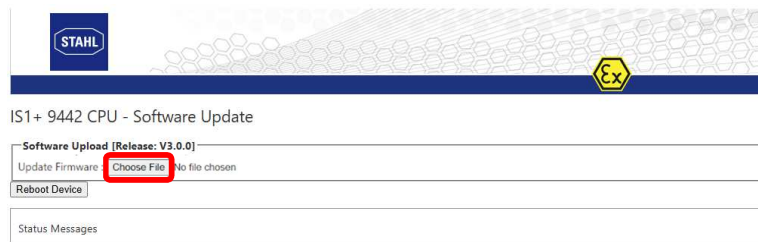

6. Log In successful

Firmware Update IS1+ CPU 9442
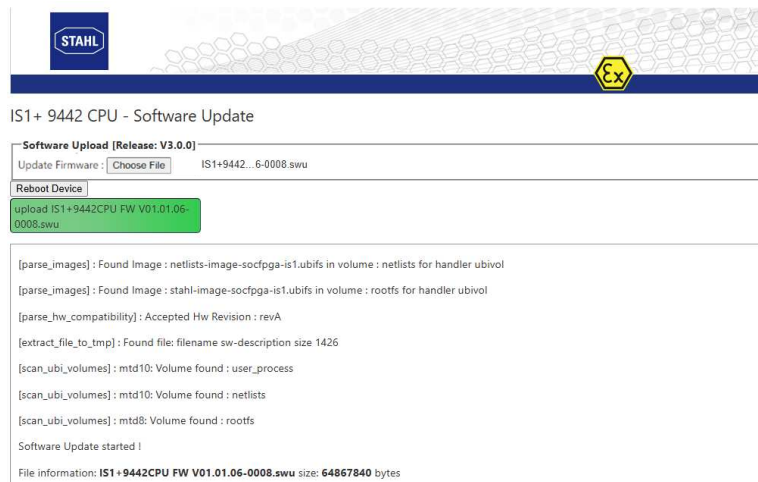
7. Click onto register "**CPU Software Update**"

IMPORTANT: before entering update mode, make sure you have access to the correct software update file ".swu".

8. Enter Name: "**user**" and User Password again and click onto "**Reboot System and enter Software Update Mode**". The CPU will reboot and start in update mode. Normal operation is not possible while in update mode. To leave update mode the firmware update must be finished or the download must be aborted. See CPU manual for further information.

9. Acknowledge message window with "OK" and refresh / reload webpage in browser after a few seconds.

10. The webpage of the firmware update mode is shown

11. Click "**Choose File…**"

12. Select the firmware file (e.g. **IS1+9442CPU FW V01.01.06-0008.swu)** and press "**Open"**.

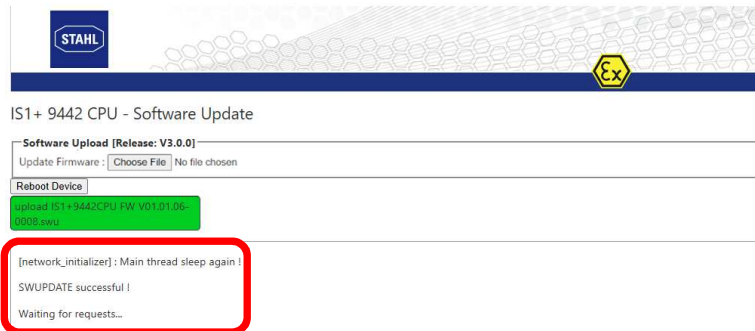13. Update will start. Webpage shows progress during firmware update.
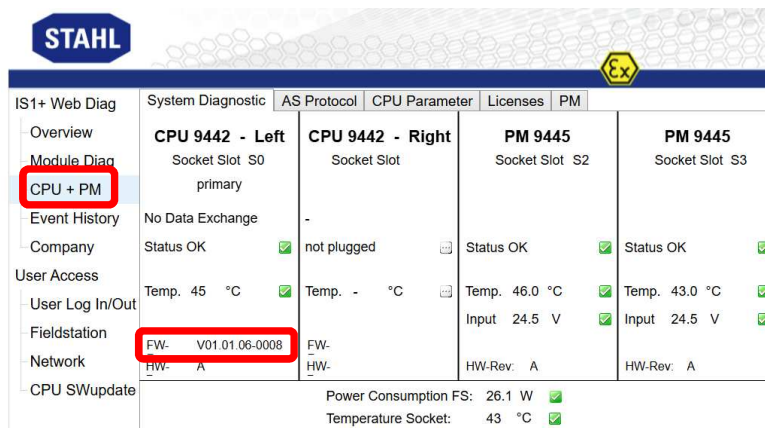
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14. Wait for the update to finish. This can take up to 5 minutes. Do not interrupt the firmware update!

    If the update is not finished after 15 minutes, please contact our support.

15. Firmware update is finished if following information is shown:

16. CPU will reboot automatically after successful firmware update (not required to use "Reboot Device" button). Depending on the selected protocol the CPU may reboot twice. This is normal startup behaviour.

17. Refresh / reload webpage in the browser to display the main page of the IS1+ web server again.

18. You can check the firmware version by opening the menu "CPU + PM".

System is ready for operation. If the system had a valid configuration, the configuration data will be loaded automatically.