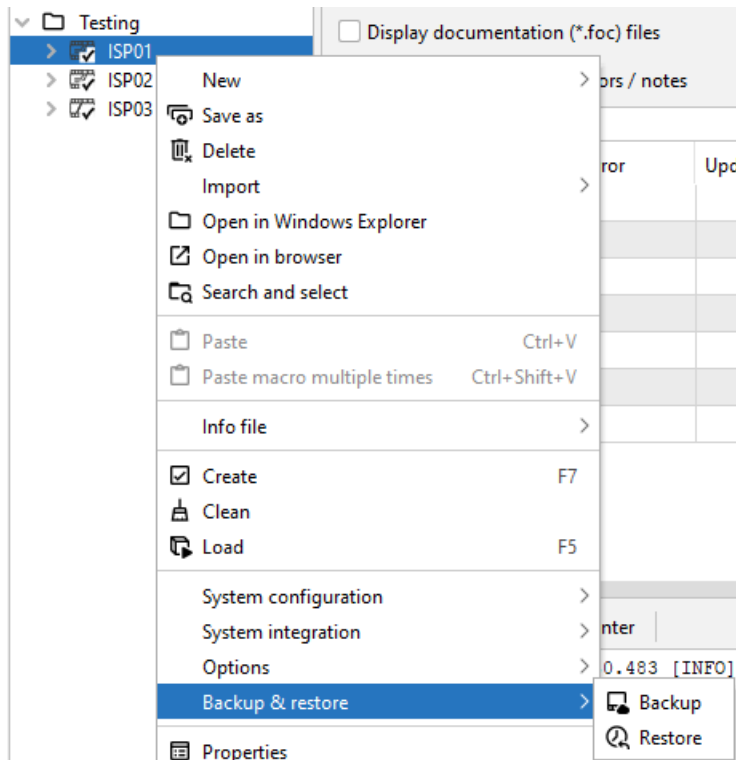


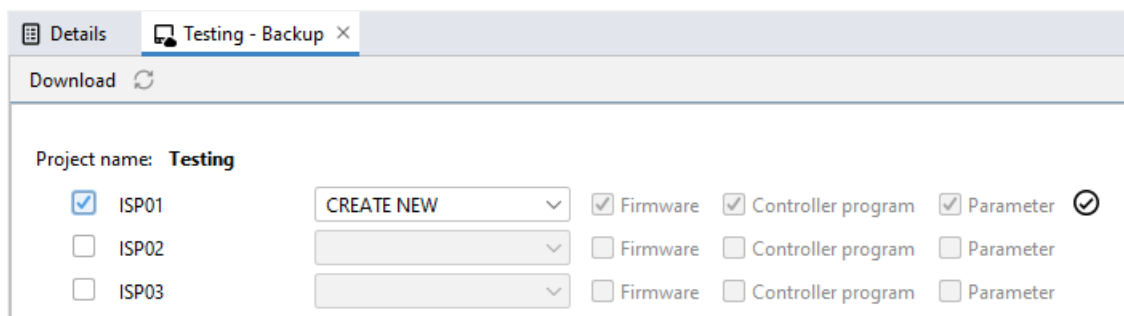


TT230401 – OFXL - Controller Backup and Restore

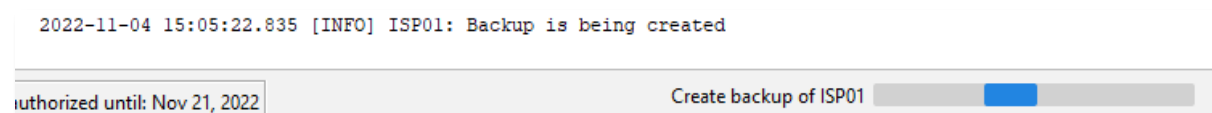
1. In OPEN FXL 4, we can backup the controller including the firmware, controller program and parameters. To do it, right click on the controller, select “Backup and restore”, “Backup”.



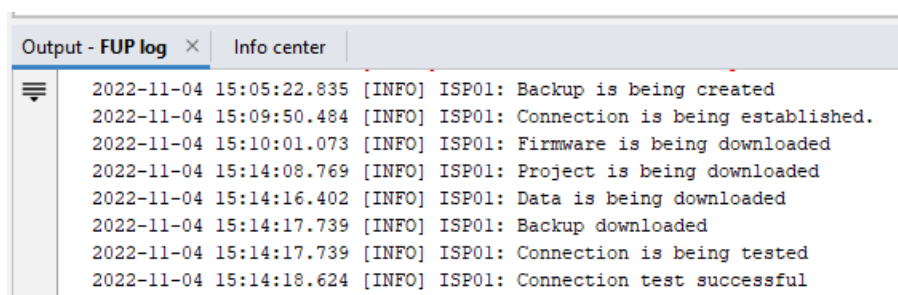
2. You should see the  if the controller is online and the firmware version support this function. Tick the controller in the checkbox  and click “Download” to backup the controller.



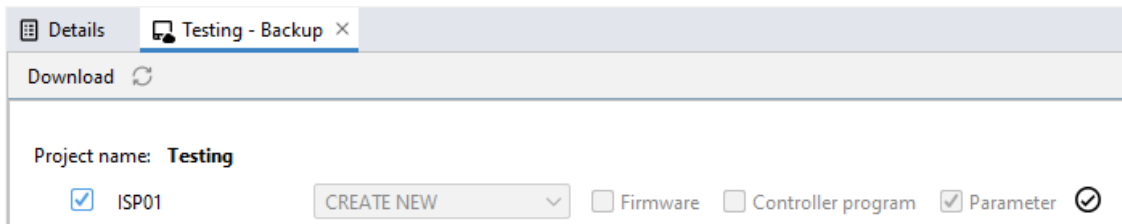
3. The backup will start. It may take 10 minutes or more, so please wait until it's finished.



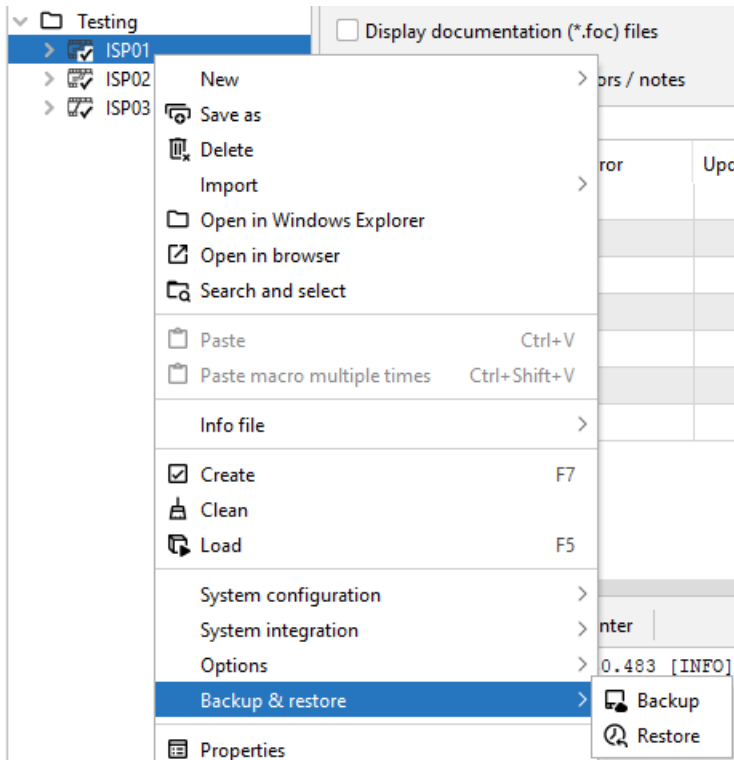
4. The first time it will backup all data including firmware, controller program and parameters.



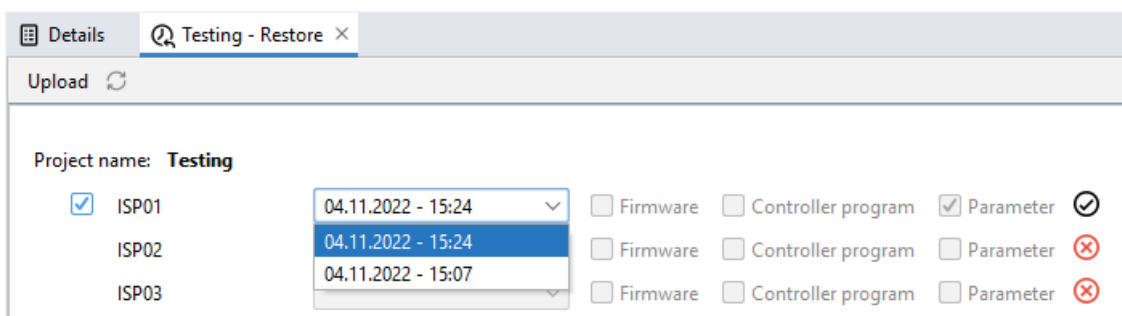
5. Later if you do the backup again, it will check whether the firmware and controller are changed. If not, it will only backup the parameters.



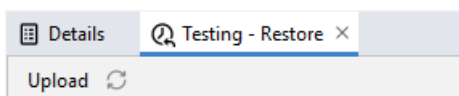
6. To restore the controller, right click on the controller, select “Backup and restore”, “Restore”.



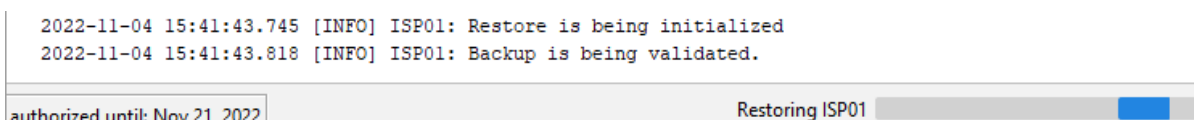
7. Select the “Date/Time” of the backup that you want to restore to the controller. The program will automatically detect if the firmware and controller program have been changed, and only restore the necessary. In this case, only the parameters are restored.



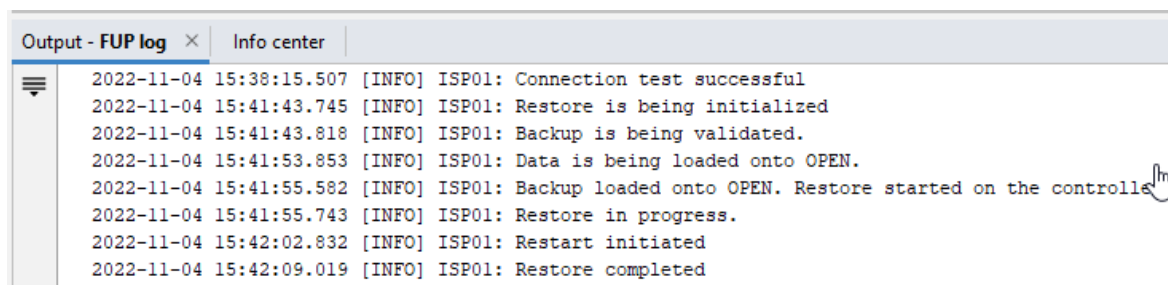
8. Click the “Upload” button to start restoring the backup to the controller.



9. The restart will start. Wait until it's finished.



10. It's done.



The screenshot shows a log window with two tabs: 'Output - FUP log' (selected) and 'Info center'. The log contains eight entries, all with an '[INFO]' level, detailing the steps of a restore operation for 'ISP01'. The process starts with a connection test, followed by initialization, validation, data loading, and finally, the restore completion. A mouse cursor is visible at the end of the fifth log entry.

```
2022-11-04 15:38:15.507 [INFO] ISP01: Connection test successful
2022-11-04 15:41:43.745 [INFO] ISP01: Restore is being initialized
2022-11-04 15:41:43.818 [INFO] ISP01: Backup is being validated.
2022-11-04 15:41:53.853 [INFO] ISP01: Data is being loaded onto OPEN.
2022-11-04 15:41:55.582 [INFO] ISP01: Backup loaded onto OPEN. Restore started on the controller
2022-11-04 15:41:55.743 [INFO] ISP01: Restore in progress.
2022-11-04 15:42:02.832 [INFO] ISP01: Restart initiated
2022-11-04 15:42:09.019 [INFO] ISP01: Restore completed
```

11. It's recommended to backup your controllers regularly, especially before you upgrade the controller firmware.