WP2: PTP Integration
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The supply is a source code (e.g. set of scripts) needed to integrate the ATTEST-based PTP test suite with the White Rabbit Switch (WRS) that is the Device Under Test (DUT). This integration concerns configuration of the WRS using its mechanisms and diagnostics of the WRS using WRS-specific MIB.

Technical requirements for the supply:

1) It shall automate configuration of the DUT required by the Veryx PTP test suite. The WRS-specific configuration mechanisms shall be integrated with the PTP test suite such that the configuration of the DUT is performed without human intervention. The developed mechanisms (the supply) shall allow future extensions. This integration concerns all the parameters that needs to be configured by the PTP tests, unless configuration of such parameters is not implemented by the WRS.

2) It shall automate diagnostics of DUT state required by the Veryx PTP test suite. The WRS-specific MIBs shall be integrated with the PTP test suite such that the verification of DUT’s proper operation (e.g. port state, WR mode) is performed without human intervention. The developed mechanisms (the supply) shall allow future extensions. This integration concerns all the parameters that needs to be monitored by the PTP tests, unless monitoring of such parameters is not implemented by the WRS.

3) It shall be accompanied by
   a) Technical documentation
   b) Instructions/assistance how to update CERN test system (Xenabay C4-12 with M6SFP Test modules and Veryx Attest framework with PTP Boundary & Ordinary Clock Conformance Test Suite) to run the developed solution (the supply)

CERN will make all supply available under the GPL license. The supply will be accepted only if it successfully works on CERN test system.

The execution of this work package shall include weekly conf-calls to discuss its progress. This work package shall be executed as follows:

1) CERN provides Veryx with a WRS and all the necessary information
2) Veryx confirms that it has all the input needed for development
3) From date of confirmation, Veryx has 3 weeks to provide CERN with the supply along with the documentation and instructions how to use it using CERN’s setup
4) CERN verifies the supply within 2 weeks to trigger the payment