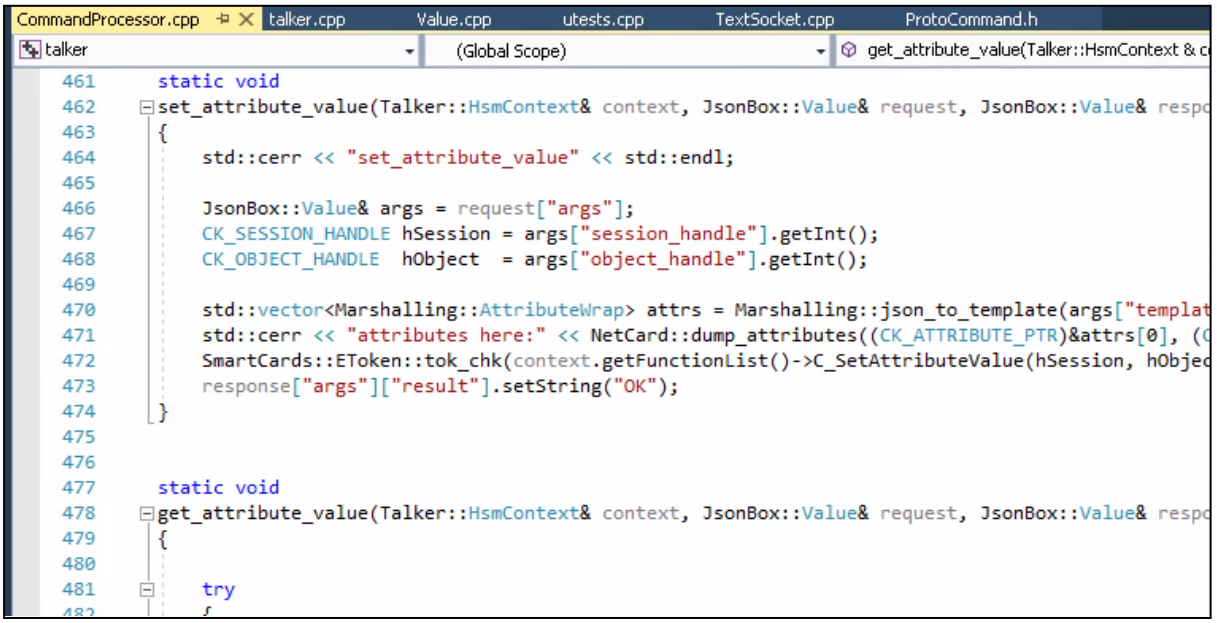
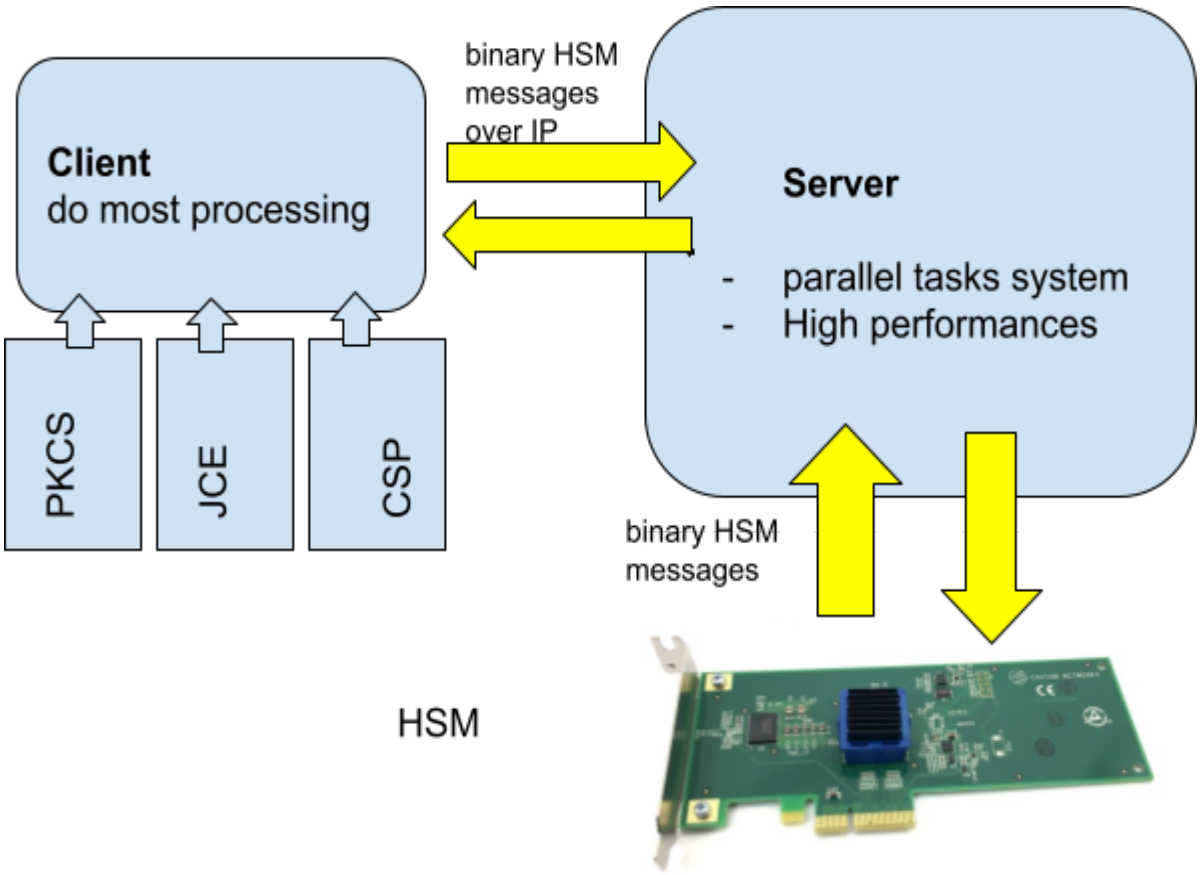
NET Token

Developed by SCD

Goal: providing PKCS, JCE and CSP access to network-based HSMs

- Entirely developed in plain C++
- Tested according to PKCS#11 standards
- Performances are similar to the target HSM
- Parallel calls managed by a dedicated system
- Client and server version for centos, RHEL and windows 64 bits
- All PKCS features functions available via the web remotely including certificates management





Net Token was a system allowing remote access to an enterprise-grade HSM from a standard PC using a special driver. Locally a PKCS#11 DLL containing all the PKC#11 entry points was present on the PC and under the hood, it was doing remote calls to a PKCS#11 proxy server, handling calls to the HSM. With such a system, access to an HSM could be shared by thousands of customers. A plug-in was developed, cert++, allowing certificates to be also securely remotely stored.

Additionally we developed a CSP and JCE driver, wrapping the PKCS#11 calls.

Recording #1.mp4 - Google Drive

Recording #2.mp4 - Google Drive

For the work, we developed from scratch **a custom PKC#11 driver**.