

Abstract

One of the key requirements to the OpenONU adapter running in the VOLTHA framework is the ability to serve at least 1024 ONUs per adapter instance. The existing Python OpenONU adapter showed some scaling issues with this requirement. The solution strategy is to port existing single-threaded Python-based OMCI library and OpenONU adapter to multi-threaded versions written in Golang. This talk will give an impression of current state of porting as well as about scalability improvements reached by using multi-threaded go-routine-based implementation.