

SAP application server uses external library to provide required cryptographic functions. Those libraries are called through standard GSS-API interface. Main result of this work is practical implementation of specific library that supports above mentioned interface. This is done by C language written dynamic library implementation that supports standard GSS-API v.2 interface. For authentication X.509 certificate was chosen and for coded cryptographic operations OpenSSL library was chosen. Library and all of its components is portable and open source.