

M2CRYPTO IN DIRAC

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pyGSI vs M2Crypto

- * OpenSSL wrapper
 - * written for DIRAC
 - * Latest commit on Jun 18 2015
 - * Python 2 only
 - * Works. For now.
- * OpenSSL wrapper
 - * widely used
 - * Under active development
 - * Python 3 work in progress
 - * Implementation in DIRAC - I'm working on it

Replacing pyGSI with M2Crypto

- * Not 1-to-1 mapping
- * Both have some logic, not only OpenSSL calls
- * Sometimes it's just different function name (cert vs certificate, etc.)
- * Some inconsistency in using DIRAC wrapper classes and underlying pyGSI

Progress

- * X509 proxy certificates
 - * Not very complicated
 - * With some issues (missing features in certificate extensions handling), but...
 - * Works :)
- * SSL Connection
 - * More complex than X509 certificates
 - * Many differences
 - * Work in progress