Security options for FHIR applications

### Architecture

The technical architecture for security must be decided with all parties – vaults, authorities, vendor community. At present there are no agreed solutions.

### Fundamental connection

There are no defined requirements yet, so here are a few options:

1. Promote a similar (end-to-end, double encryption) solution.
2. Adopt industry-standard security layer – TLS 1.2+ with mutual authentication. This is represented schematically below:

|  |
| --- |
| ****TLS 1.2 w/ Mutual Auth**** |

Whatever solution is adopted, proper handling of certificates is required.

### Vault-to-vault communication

(TBD)

### Achiving, redundancy

(TBD)