**CrypToolStoreServer – “general ideas” - whitepaper**

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The **CrypToolStoreServer** offers different methods, which can be used by **CrypToolStoreDeveloperClient** and by **CrypToolStoreClient.**

Connections between **CrypToolStoreServer** and **CrypToolStoreDeveloperClient** as well as connections between **CrypToolStoreServer** and **CrypToolStoreClient** are secured using TLS.

Everything a developer does has to be authenticated by his username/password.

CrypTool 2 users may call methods without any authentication.

Methods (callable by a to-be-developed network protocol):

Only for developers:

* CreateNewDeveloperAccount
* UpdateDeveloperAccount
* ChangePassword
* ListComponents
* CreateComponent
* UpdateComponent
* DeleteComponent
* UploadSourceCode
* UpdateSourceCode
* DeleteSourceCode
* ListSourceCode
* CreateResource
* UpdateResource
* DeleteResource
* ListResources

For CrypToolStoreUsers:

* ListComponents
* DownloadComponent
* ListResources
* DownloadResource