



RWTH cBMB Identity Management

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Introduction

The project RWTH Aachen centralized BioMaterialBank (RWTH cBMB) aims to realize a professionally managed Biomaterialbank with respect to sample processing and information management. The identity management service represents a key system in the information management infrastructure administrating personal identifiable data and identifiers of the probands. The system must be highly secure and steadily available.

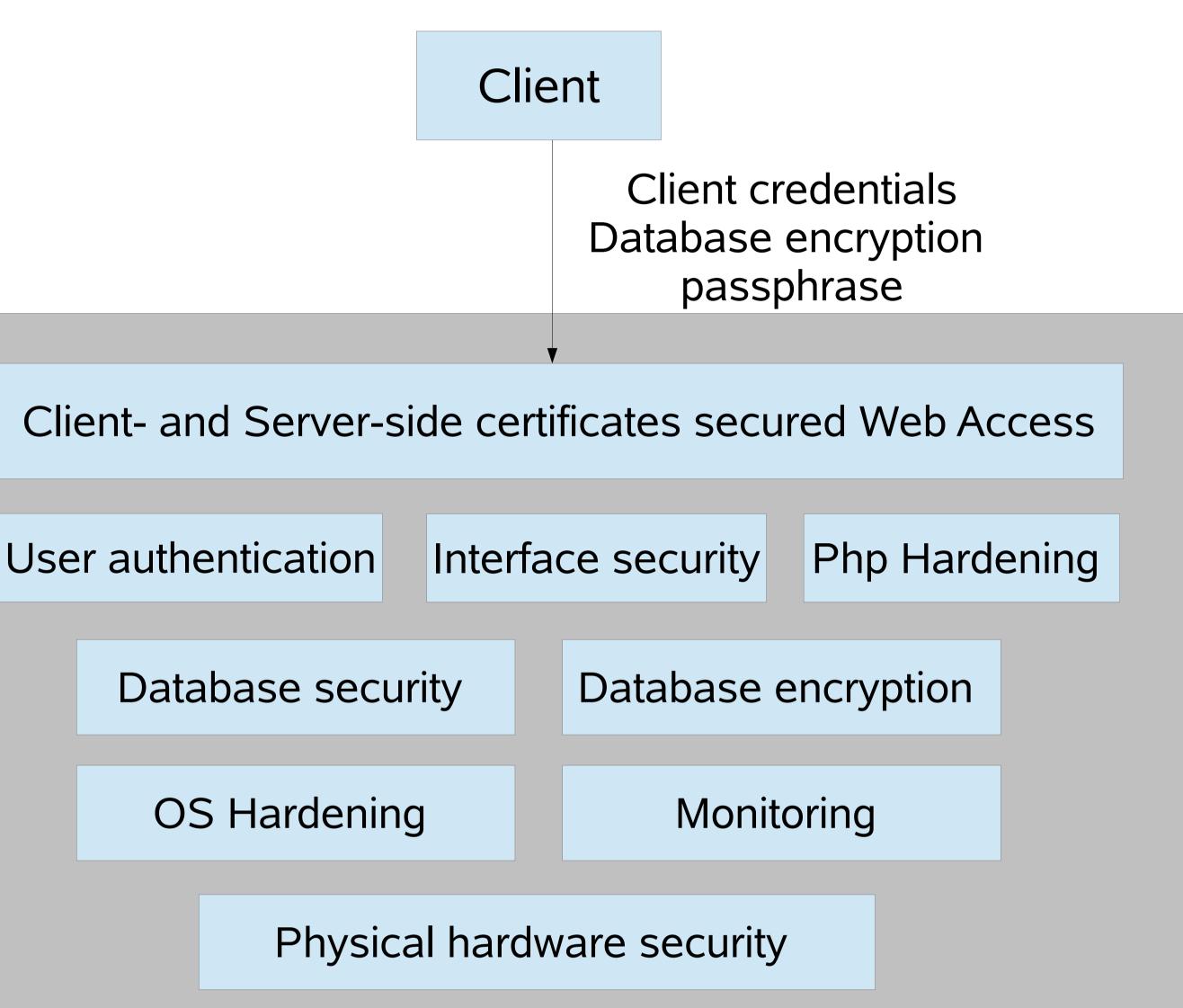
Multilevel Security Model

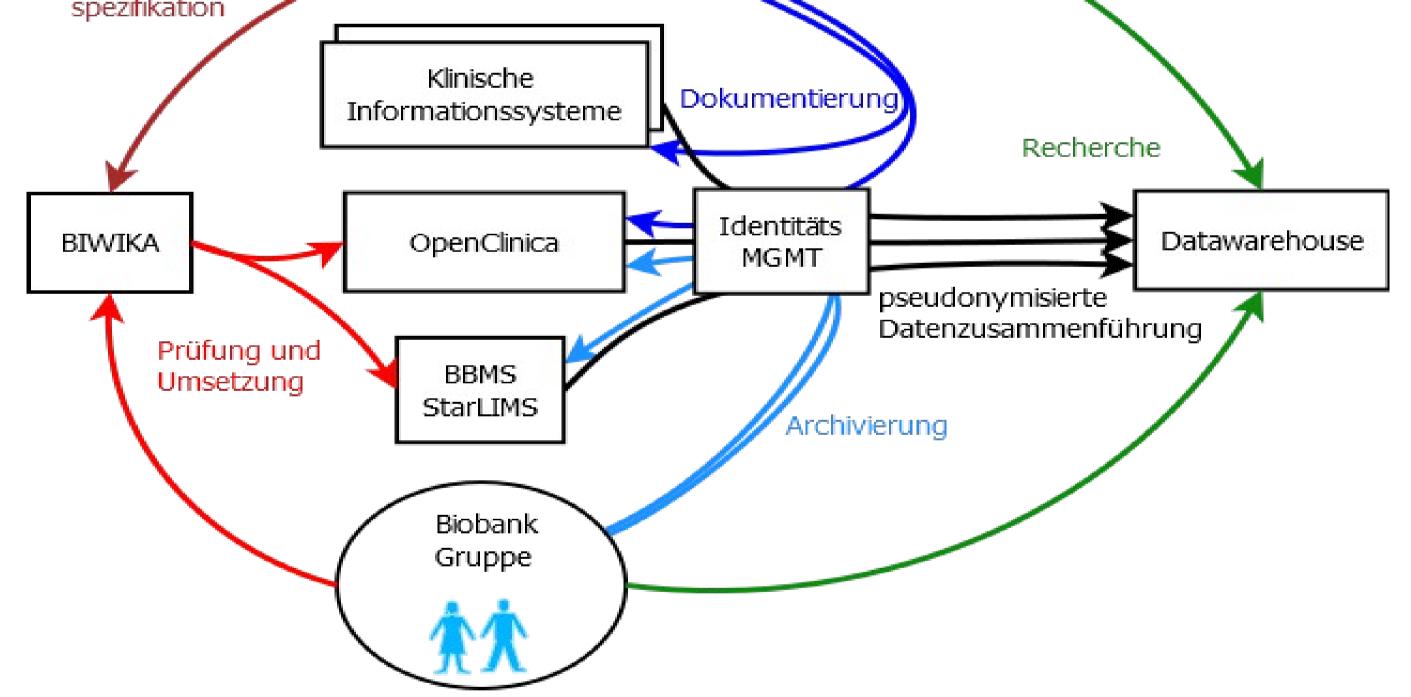
Several security layers ensure the protection of person identifiable data. Each layer uses several security techologies to realize a highly secure system architecture.

Identity Management

Personally identifiable information of the probands is pseudonymized and stored in an encrypted database. Besides, arbitrary many personal identifiers from other clinical information systems may be referenced.

Projekt-





Biobank Case Record Submission

۷	PSD - Mozilla Firefox		
192.168.56.50	https://192.168.56.50/psd2/index.php?c=sample&page=edit&id=QFAQN	☆	*

Identity Management Service

Server Protection Features

Server security features have been implemented in order to prevent unauthorized access. Several tools help to detect and respond to malicious activities and attacks. They include constant logging, monitoring of suspicious client behaviour and automatic blocking in case of intrusion.

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A biobank case record submission form has been realized in order to conveniently add records and create barcode labels. A document-oriented database allows to reference arbitrary many additional identifiiers for each biobank case in a comfortable way.

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Patient Name:		Smith					
Patient Vorname:		John					
Patient Geburtsdatun	n:	06.08.1957					
Patient ID:		987654					
Fall ID:		45678					
Eingang ID:		43_35353					
Sub ID:		86754. Add IDs					
myID	:	[777777]X					
myID2	:	88888 X					
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Materialtyp:		ZZZ,Other					
EV vorhanden:		Nein 🗘					
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Kommentar:							



Samples Management

Samples management interface allows searching for samples using parameters filter. Database queries are performed using hashsum matching.

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