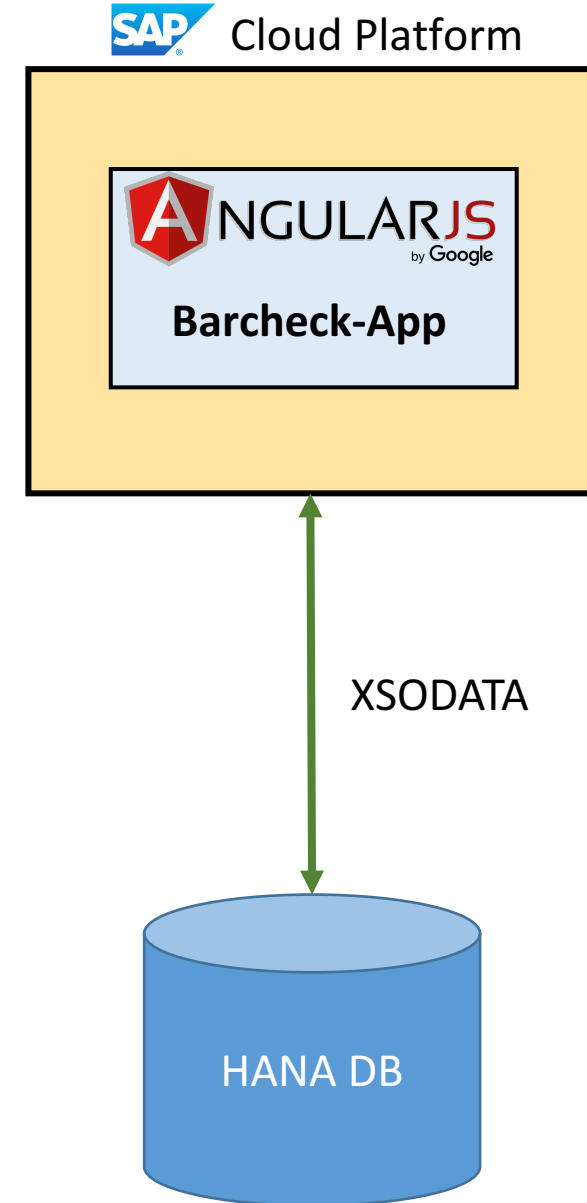# Requirements:
Prototype, Minimal & Most

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Prototype

Prototype

- Exported Data from CiviCRM stored in HANA DB

- Barcheck Web-App uses XSODATA Services via HTTP

- Authentication: Basic Auth
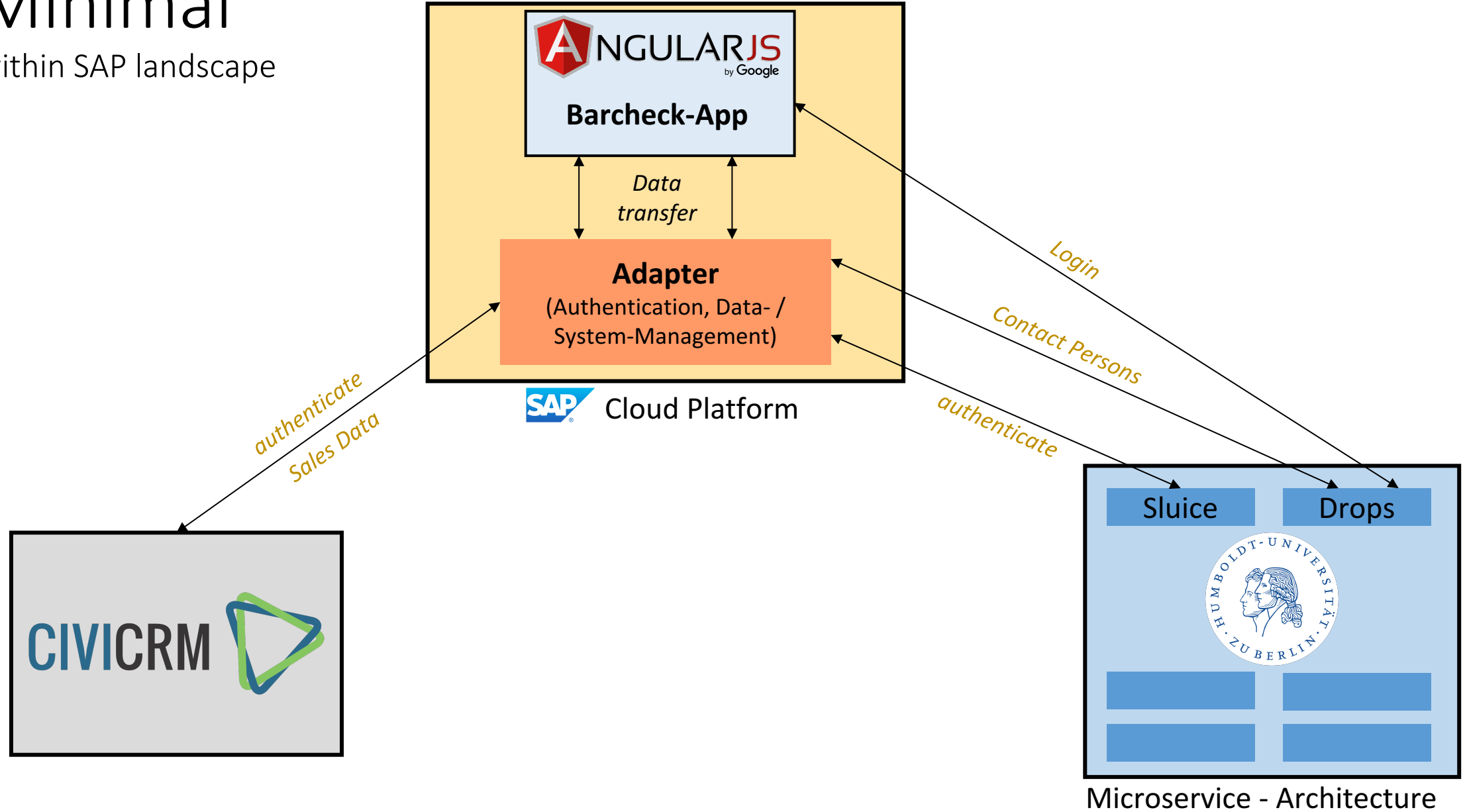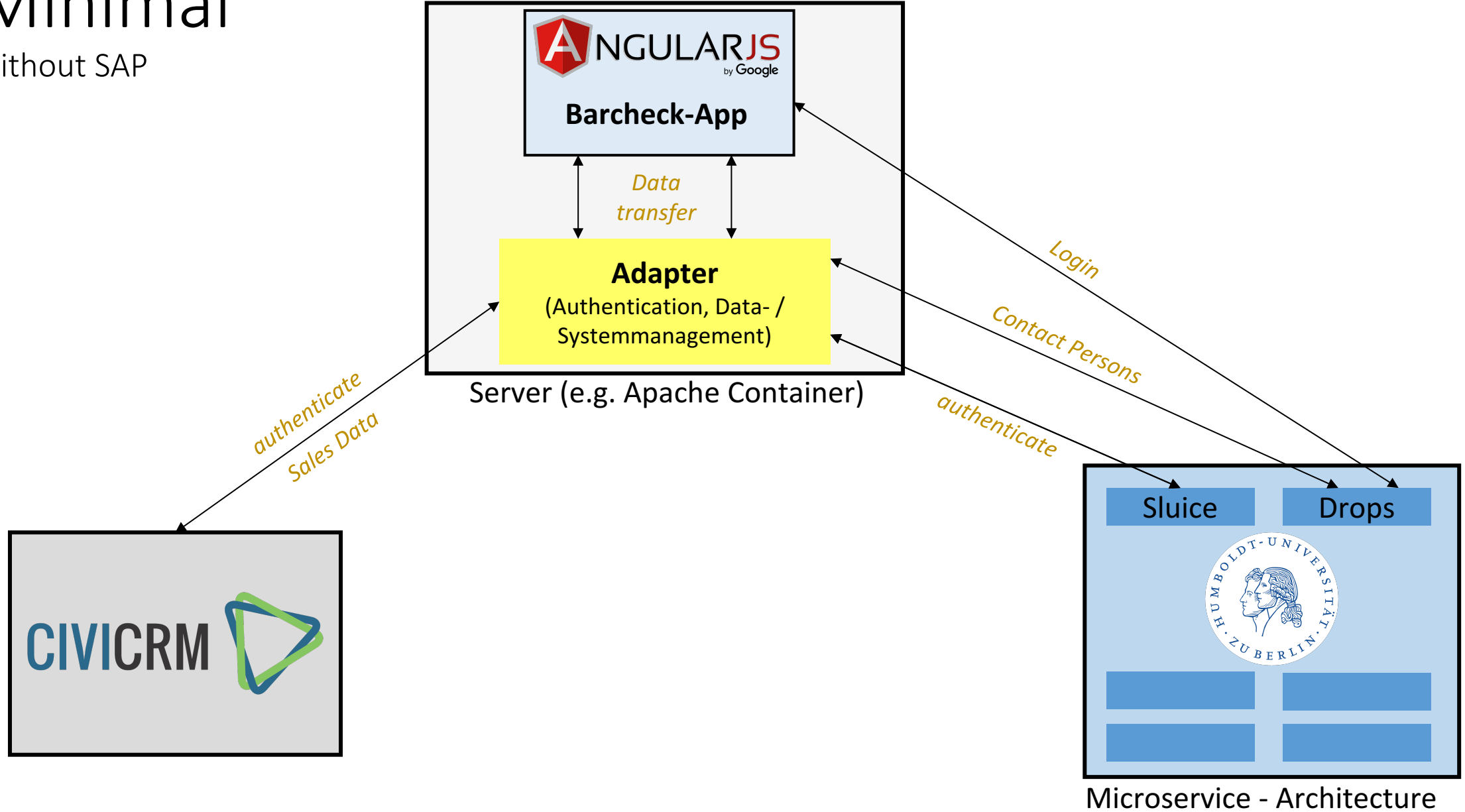
- New Data persisted in HANA DB

SAP Cloud Platform

ANGULARJS
by Google

Barcheck-App

XSODATA

HANA DB

Minimal

Within SAP landscape and without SAP

Minimal
within SAP landscape

Barcheck-App

Data transfer

Adapter
(Authentication, Data- /
System-Management)

Cloud Platform

authenticate
Sales Data

Login

Contact Persons

authenticate

Sluice

Drops

Microservice - Architecture

Minimal
without SAP

Barcheck-App

Data transfer

Adapter
(Authentication, Data- /
Systemmanagement)

Server (e.g. Apache Container)

authenticate
Sales Data

CIVICRM

Login

Contact Persons

authenticate

Sluice   Drops

Microservice - Architecture

Most

Within SAP landscape and without SAP

Most
within SAP landscape

Server (e.g. Apache Container)
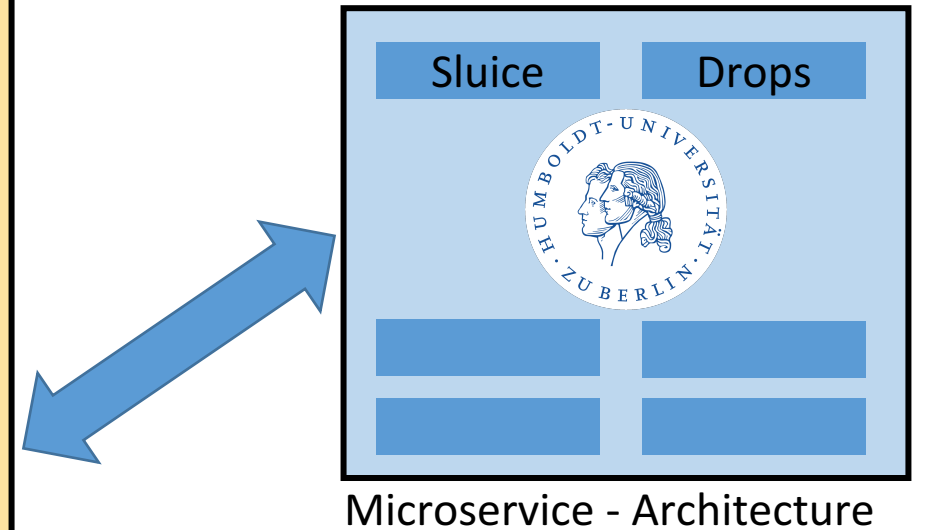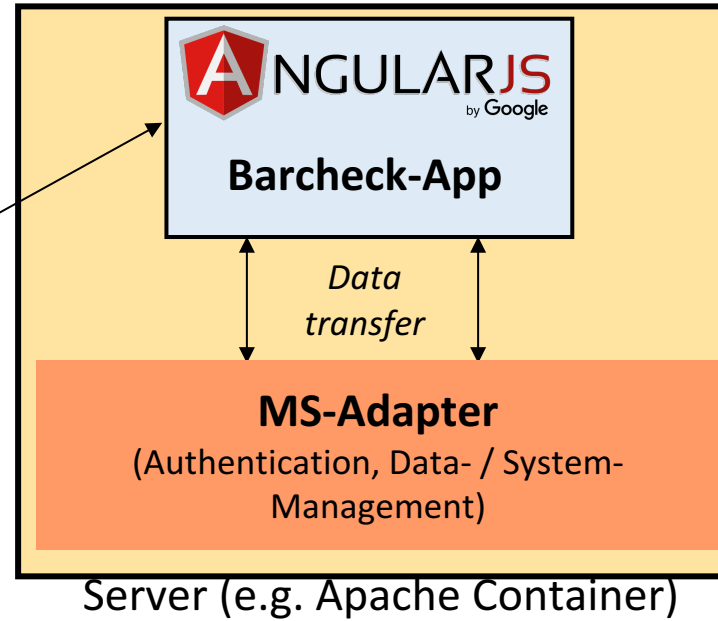
Microservice - Architecture

- Microservice wraps the CiviCRM API

- Barcheck-App becomes part of the Microservice Architecture and

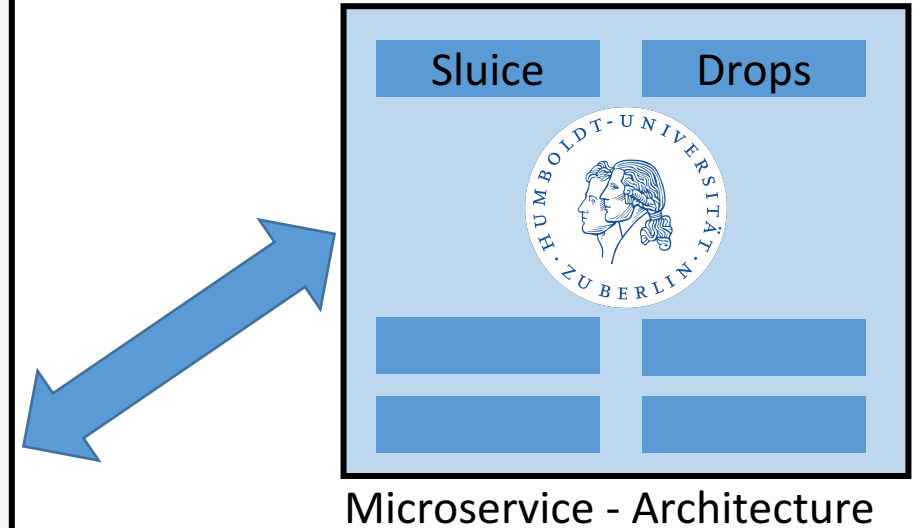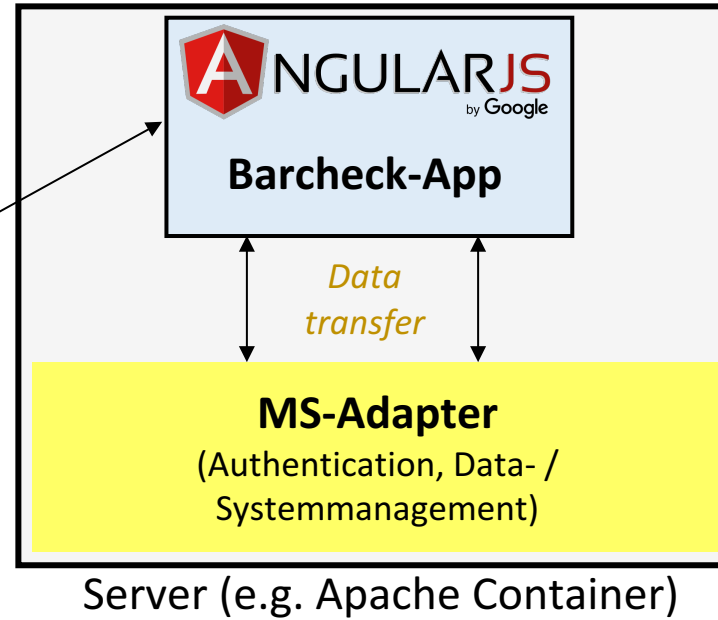- Barcheck-App just uses Drops, Sluice and CiviCRM wrapper for communication

Most

without SAP

Barcheck-App

Data transfer

MS-Adapter

(Authentication, Data- / Systemmanagement)

http-Access

Server (e.g. Apache Container)

Sluice   Drops

Microservice - Architecture

CIVICRM

- Microservice wraps the CiviCRM API

- Barcheck-App becomes part of the Microservice Architecture and

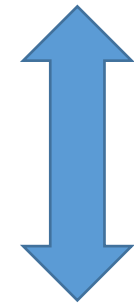- Barcheck-App just uses Drops, Sluice and CiviCRM wrapper for communication