VOTING Stimmregister

Building Block View
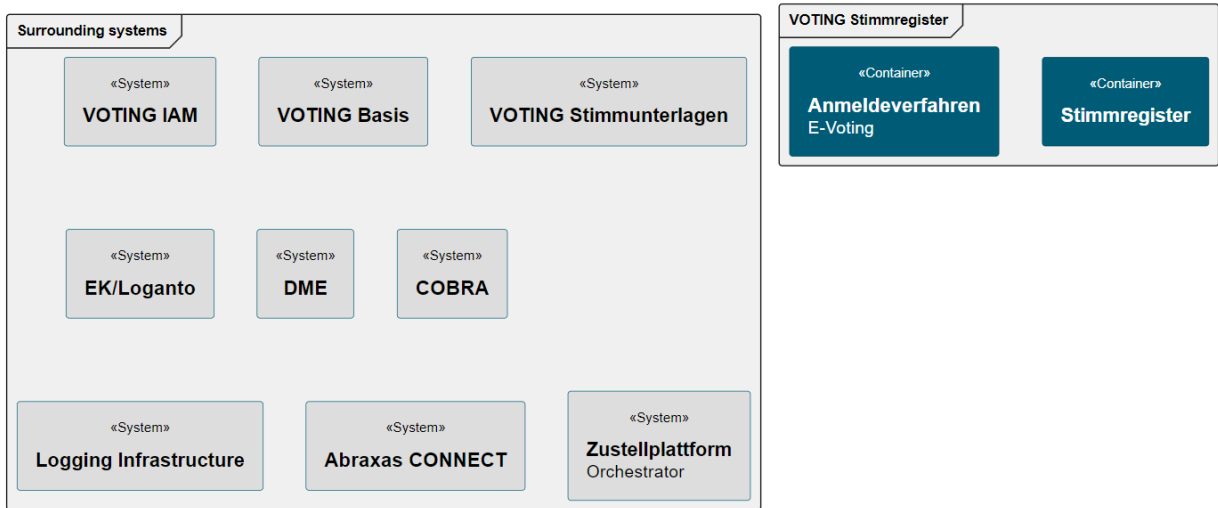
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Contents

1. Solution

1.1 Overview Level 1 - VOTING Stimmregister

Name	Description
VOTING Stimmregister	Application for managing the voting population based on resident data.
Anmeldeverfahren E-Voting	Component for registering a person entitled to vote with the Swiss e-voting system. Valid voting rights at the cantonal level are checked.
VOTING IAM	VOTING IAM is the central identity provider (access system for VOTING) of Abraxas.
VOTING Basis	VOTING Basis manages the master data in the VOTING environment. This includes, for example, contests, votes and elections.
VOTING Stimmunterlagen	Application for generating voting rights cards.
EK/Loganto	Application for managing resident data.
DME	Application for managing resident data.
COBRA	Application for managing the personal data of Swiss citizens abroad.
Logging Infrastructure	The logging infrastructure including log monitoring and alerting.
Abraxas CONNECT	Abraxas CONNECT is a secure file transfer solution.

Name	Description
Zustellplattform Orchestrator	Component for integrating the e-voting registration process into the cantonal surrounding systems. Manages E-Letter / Smart Letter.

1.2   Overview Level 2 - VOTING Stimmregister Detail
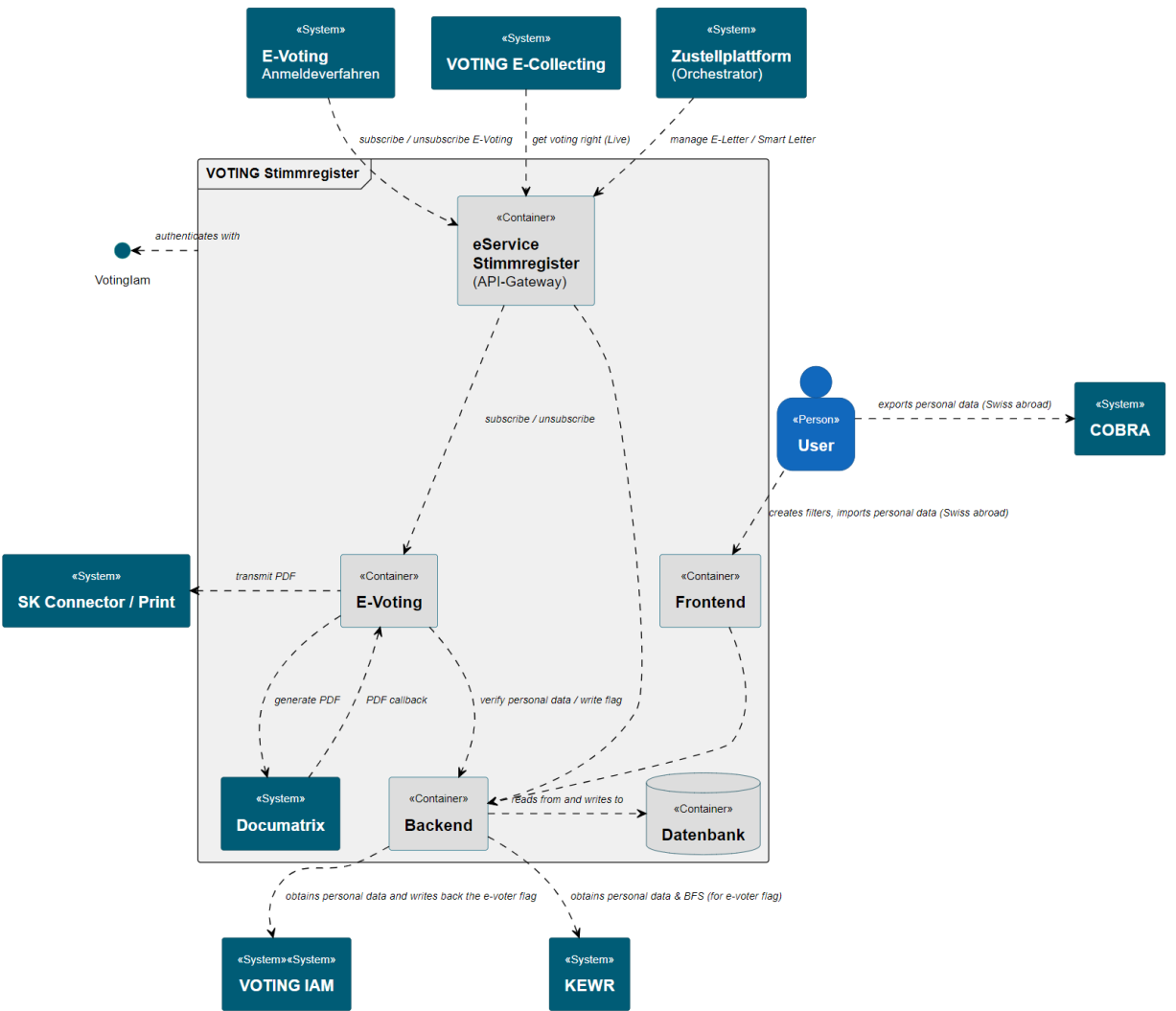
When reading the direction of the arrow, it is important to mention that the block view visualizes the interface implementation (who offers the interface, who consumes it) based on the communication access and not the data flow as such.

Name	Description
Frontend	Frontend application.

Name	Description
eService	API gateway for backend application.
Backend	Backend application.
Datenbank	Persists data for VOTING Stimmregister.
COBRA	Application for managing the personal data of Swiss citizens abroad.
VOTING E-Collection	Citizens can sign initiatives and referendums online.
VOTING IAM	VOTING IAM is the central identity provider (access system for VOTING) of Abraxas.
Zustellplattform (Orchestrator)	Component for integrating the e-voting registration process into the cantonal surrounding systems. Manages E-Letter / Smart Letter.
KEWR	Service for obtaining personal data

1.2.1   Interfaces

Which application exchanges which data should be defined together with the description and detailed interface explanations and is not part of the visualization within the block view.

Id	Sender	Receiver	Format	Protocol	Description
1	VOTING Stehendes Stimmregister	VOTING IAM	Open ID Connect	HTTP	Authentication
2	eService	Backend	Json / REST	HTTP	Get Voting rights and e-voting flag
3	Backend	KEWR	Json / REST	HTTP	Get personal data (live, rest)
4	VOTING E-Collecting	eService	Json / REST	HTTP	Get voting right
5	Benutzer	COBRA	XML	-	Manual export of personal data (Swiss abroad)
6	Benutzer	Frontend	XML	-	Manual import of personal data (Swiss abroad)