

WHYCARD FUNCTIONAL REQUIREMENTS

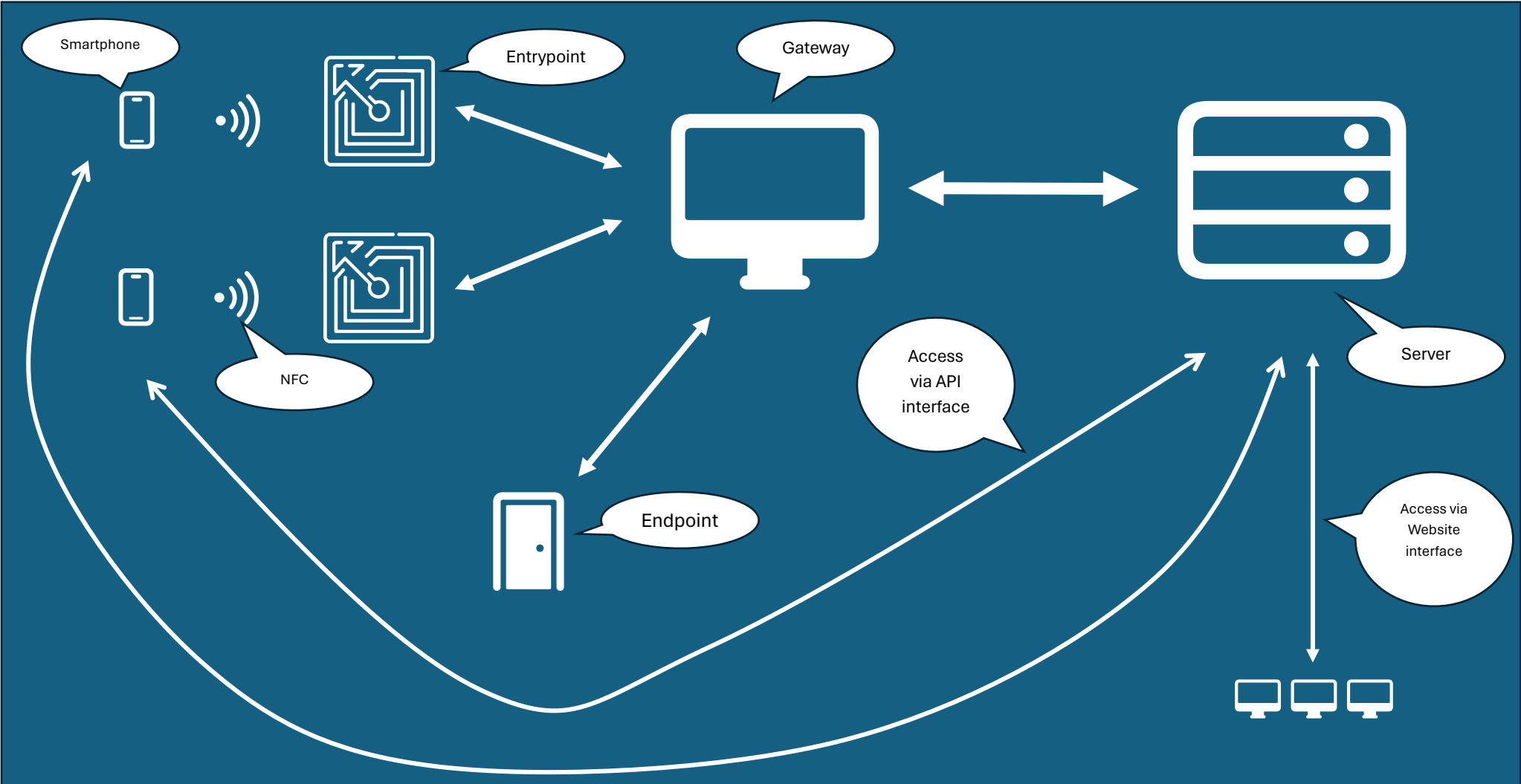
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WHYCARD Company Protected

Acronyms

ACRONYM	DEFINITION
SHC	Software-Hardware Complex
API	Application Programming Interface
NFC	Near-Field Communication
OTA	Over-the-Air

Interaction Graph



Functional Requirements

1. SHC must be able to register, verificate, store and manage users accounts with access via both Website and API Interface
2. SHC must be able to inform users about changes, maintenances or any other information, and validate their personality via convenient ways (E-Mail)
3. SHC must allow organization administrators and project operators to manage users accounts, view their activity log and to manage entrypoints/endpoints via Website Interface
4. SHC must be able to provide organization administrators and project operators with current system status and possible security breaches via Website Interface
5. SHC must be able to receive data from smartphone via NFC at entrypoints and handle it properly providing user with current status information via screen or any other deterministic and intuitive way
6. SHC must be able to handle OTA software updates properly
7. SHC must be secured from non-granted access
8. SHC must prevent users from usage of two different smartphones in order to access the SHC
9. SHC must allow project operators to create new organizations and assign administrators to them
10. SHC must include a proper iOS and Android Applications to authenticate users and transfer correct data in secure way to entrypoint via NFC