



# 4ALLPORTAL Security Mechanisms



## 4ALLPORTAL Security mechanisms

The 4ALLPORTAL uses various mechanisms to secure system and data and to ward off possible attacks. We assume the 4ALLPORTAL has been installed in a secure environment.

### Standard security method: SSL

- The communication of the client (user interface or other applications) with the 4ALLPORTAL (application server) is secured via SSL.
- All data transferred between client and server are thus protected.

### Sensitive contents: passwords

- Passwords will not be transmitted to the database. For input verification, a bcrypt hash of the password is persisted in the database.
- Passwords are not returnable, i.e. no password can be decrypted from its entry in the database or read out in clear text – not even by us.
- The password policy is configurable in the system with the desired complexity.

### Request validation

- A direct access to the storage systems (database, files) is not possible.
- The application server acts as a gatekeeper for each request from the UI and checks:
  - Is it a valid request (e.g. from a valid client)?
  - Is it a valid session with valid authentication/authorization?

### Protection against unauthorized requests

- We use to the best of our knowledge secure, established and standardized security mechanisms such as Spring Security, which are continuously updated.
- We use them also in the context of authentication (including authentication via third-party systems such as AD, ADFS, LDAP) and CORS.
- In addition, we rely on integrated mechanisms to successfully ward off possible known attack scenarios, including SQL injection.
- Our “Login attempts” logging stores all login attempts including the IP address.

### Security tests

- We test certain attack scenarios on a regular and partly automated basis with each version build.
- Our customers regularly perform announced and unannounced penetration tests on the 4ALLPORTAL. If our standard product is affected, product improvements are passed to all customers.
- Each customer test makes the 4ALLPORTAL more secure for everyone.

### Please note (disclaimer):

Our software is constantly being developed. Thus the contents of this information sheet always refer only to the development status at the time of its publication. It does not represent a binding legal basis for the claims of customers or interested parties of the 4ALLPORTAL.

### Legal Notice

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### Changes

Version	Date	Change	Author
1	10/30/2020	original text	SST
2	04/30/2021	add bcrypt hash, logging	SST
3	10/25/2021	update legal notice	SST
4	9/8/2022	update legal notice	SST