



## Certification of Applications – “Trusted App”

Customer relations require trust. Abuse of data on mobile devices such as smartphones and tablets unsettles users, so they need references to be able to identify safe and trustworthy apps. The “Trusted App” seal of TÜV TRUST IT shows that an app is secure and does not spy out data or include other negative features.

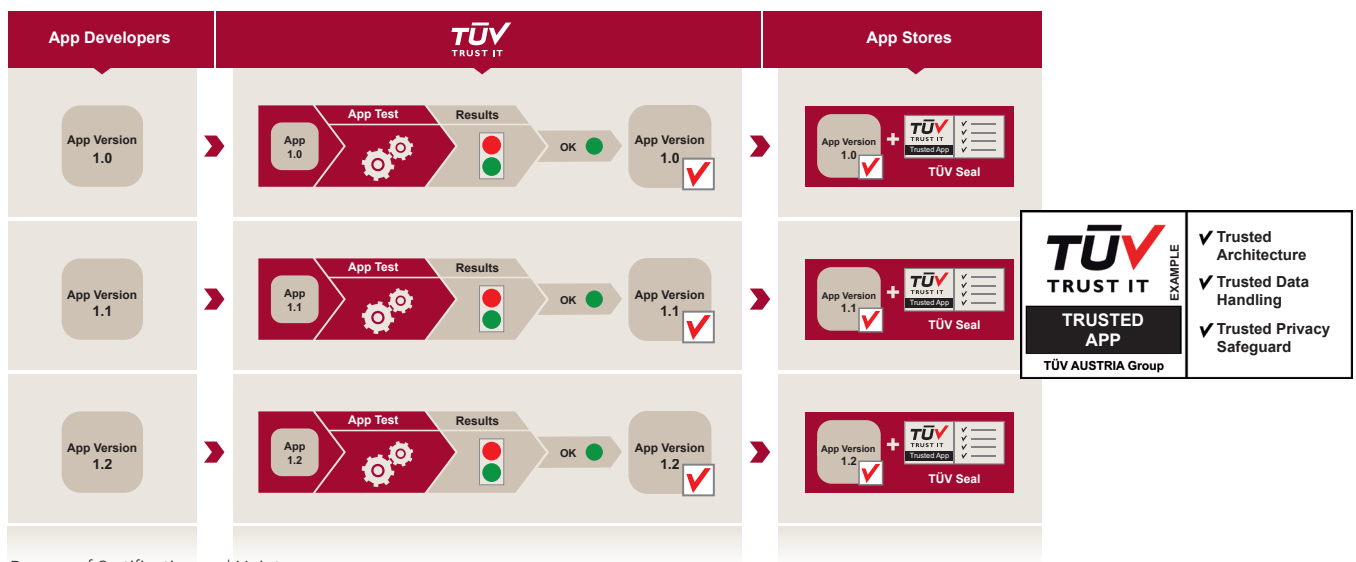
### Seal of Approval for the App

In order to be able to prove the security of an application to the user, TÜV TRUST IT has developed a test procedure for applications, certifying the compliance with security and data protection criteria. In a certification project, a security investigation of the app and a source code analysis will be performed. The basis for this comprises standards, norms and laws as well as established best practices for app security.

### Steps of the Certification Procedure

The testing of the applications will be performed tool-based and manually by our experts:

1. **Positive Test (tool-based):** Checking the application’s source-code for the correct implementation of the according requirements as described in guidelines or in generally accepted best practices.
2. **Negative Test (manually):** Checking the app’s source-code for violations of guidelines or best practices, e.g. by applying custom mechanisms that deviate from the guidelines (implementation of custom cryptographic procedures, utilisation of prohibited functions, etc.)
3. **Project-Metadata Test (semi-automated):** Checking whether the project-configuration is suited to warrant an appropriate security level.



Process of Certification and Maintenance



## Certification

4. **Runtime-Analysis (manually):** Checking for errors, inter alia in the context of event handling, network traffic and data storage.

For a successful certification, any high and medium risks that may have been identified during the audit must be closed. In addition, the source code of the app is checked for existing general programming vulnerabilities and possible remaining attack vectors.

Upon positive test results based on the current requirements catalogue “Trusted App“ of TÜV TRUST IT, we certify the fulfillment of these criteria for the examined version of the app in a certificate that documents the application’s quality. In addition, it is possible to draw up a press release by TÜV TRUST IT and to place the certificate on our website.

The certificate is valid for the tested version of the app. To maintain certification, each new version of the app must be submitted for re-examination, subject to the following conditions:

- The source-code of the new version is available in compilable form.
- In addition, a complete description of the changes made (changelog) must be submitted.

Update checks of the app can be performed up to a maximum of 5 minor releases. A new major release requires a complete re-certification.

### Your Benefits

- Proof for your customers and business partners that your app meets the required level of quality and security
- Comprehensive test report highlighting potentials for improvement
- Effective competitive advantage and promotion of new customer acquisition
- Online availability of your certificate on the website of TÜV TRUST IT
- The TÜV seal to foster your marketing

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