

DLR-Beitrag zur HIFIS-Plattform

HIFIS Kick Off, 29.01. – 30.01.2019, HZB Berlin Adlershof

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Einrichtung Simulations- und Softwaretechnik

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Wissen für Morgen



Unterstützung der Software-Entwickler im DLR

Software-Engineering-Initiative für das DLR

Policy-
Entwicklung

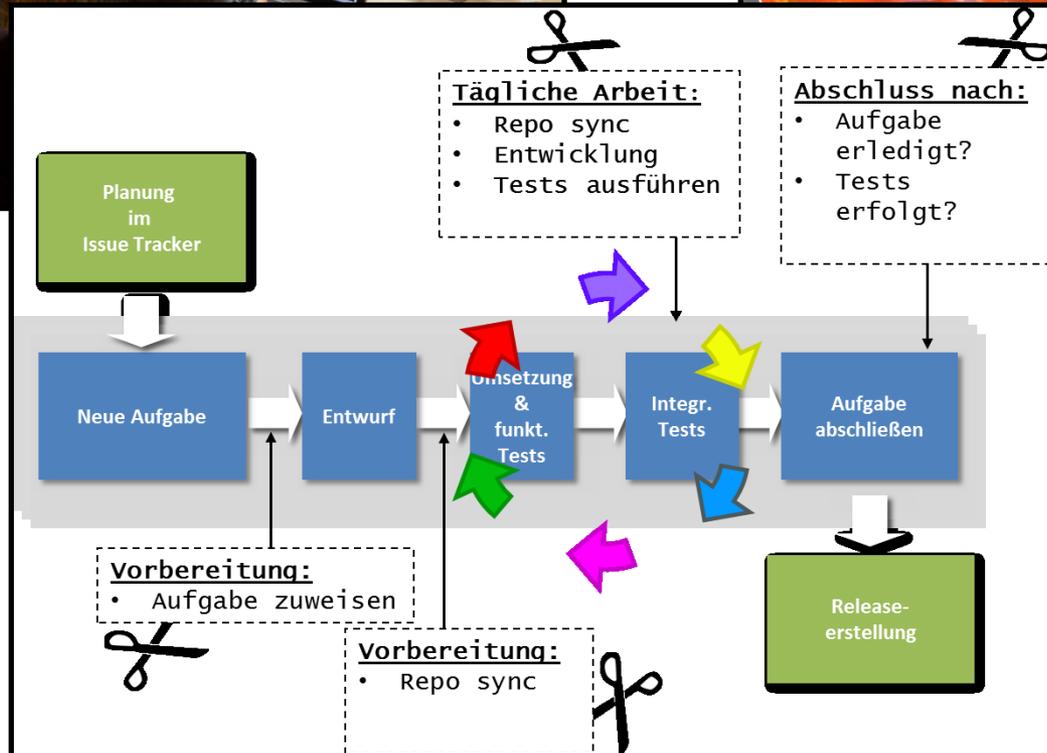
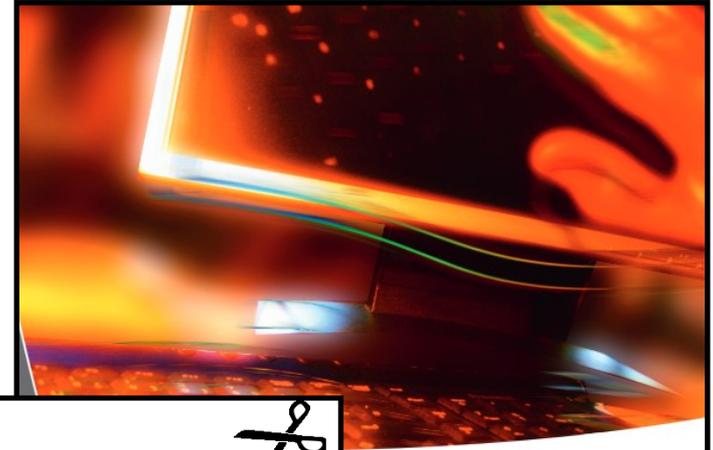
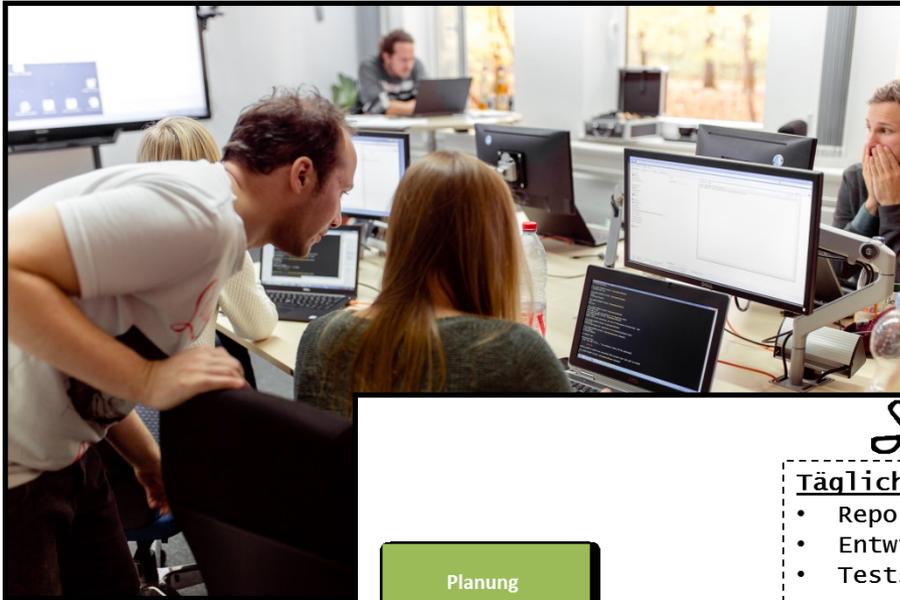
Empfehlungen
und
Werkzeuge

Weiterbildung
und
Beratung

Community
Building und
Erfahrungsaustausch



Weiterbildung und Beratung



Technologiemarketing

Nutzung von Open Source Software im DLR

Software-Engineering-Empfehlungen des DLR

Checklisten für verschiedene Anwendungsklassen

Change Management

Recommendation	Comment	Status
EÄM.2: The most important information describing how to contribute to development are stored in a central location. <i>(from application class 1)</i>	Build steps are missing	todo
EÄM.5: Known bugs, important unresolved tasks and ideas are at least noted in bullet point form and stored centrally. <i>(from application class 1)</i>		ok
EÄM.7: A repository is set up in a version control system. The repository is adequately structured and ideally contains all artifacts for building a usable software version and for testing it. <i>(from application class 1)</i>		ok
EÄM.8: Every change of the repository ideally serves a specific purpose, contains an understandable description and leaves the software in a consistent, working state. <i>(from application class 1)</i>		ok

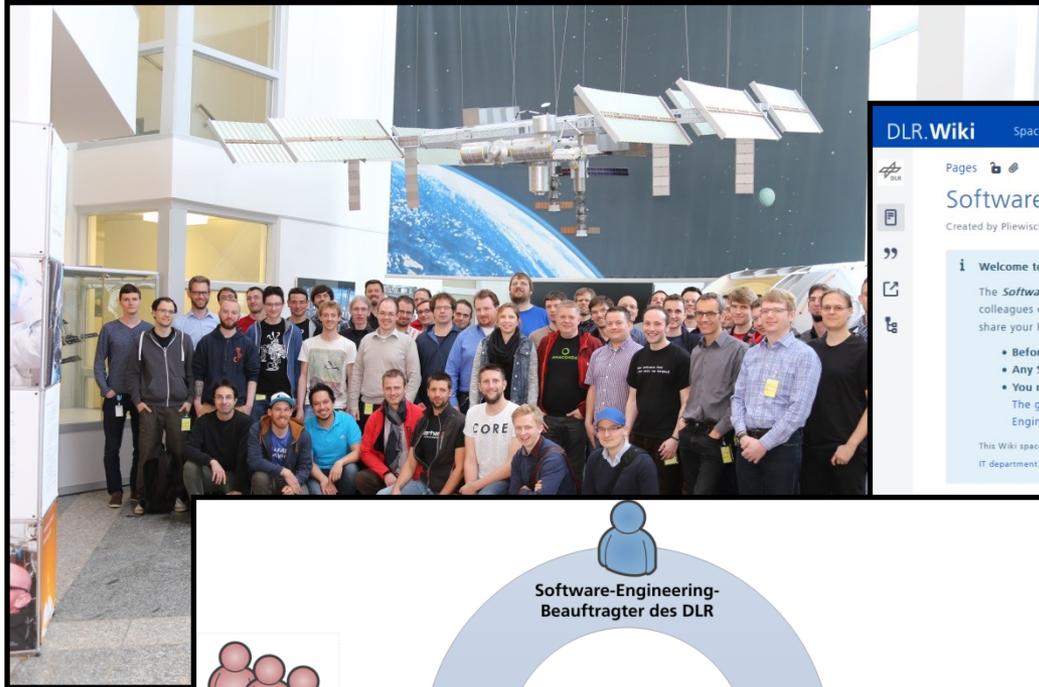
Begründung und weitere Hinweise

The repository is the central entry point for development. All main artifacts are stored in a safe way and are available at a single location. Each change is comprehensible and can be traced back to the originator. In addition, the version control system ensures the consistency of all changes.

The repository directory structure should be aligned with established conventions. References are usually the version control system, the build tool ([see the Automation and Dependency Management section](#)) or the community of the used programming language or framework. Two examples:



Community Building und Erfahrungsaustausch



DLR.Wiki Spaces Ask the DLR Create

Software Engineering

Created by Fliewischkies, Andre, last modified by Schlauch, Tobias just a moment ago

Welcome to the SoftwareEngineering.Wiki!

The *SoftwareEngineering.Wiki* is the place to create, share and discuss software engineering content with colleagues on a working-level! We aim for an open and constructive exchange of ideas. Therefore, feel free to share your knowledge and encourage others to do so as well!

- **Before you start:** Please visit the Get Involved! section and subscribe to our Blog!
- **Any Software Engineering related question?** You can ask it directly in the Ask a Question section!
- **You require more information how you can approach the topic software development in general?** The guidelines section provides an overview about general recommendations. In addition, your Software Engineering Contact is able to support you!

This Wiki space is moderated by Simulation and Software Technology. In addition, this work is supported and funded by DLR's central IT department.

Ask a Question
Learn about specific SE Topics!

Topics
Find out about useful SE readings!

Literature

Best Practices
Programming recommendations, how-tos and more!

Software Engineering Guidelines
Learn how to organize your software development!

Events
Find out about upcoming workshops, presentations, or trainings!

Blog Posts

- Save the Date - deRSE19, 4-6 June 2019, Albert Einstein Science Park, Potsdam created by Schlauch, Tobias 20. December 2018 Software Engineering
- WAW Software Engineering VI - Call for Participation created by Schlauch, Tobias 12. December 2018 Software Engineering
- Survey about Research Software at DLR created by Schlauch, Tobias 30. November 2018 Software Engineering

Latest Questions

- Wavelet compression question software-engineering
- PCB Manufacture at DLR (internal) possible? question software-engineering electronic-laboratory
- Zugangsdaten für Confluence-Änderungen aus dem Build-Server question software-engineering confluence-api docs-as-code

Latest Changes

- Schlauch, Tobias Software Engineering updated a minute ago view change
- Schromm, Henriette Python-map-1[1].jpg attached yesterday at 11:17 AM

