${\sf Scala\ Sandbox}$

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Scala maven project

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Scala Sandbox

Scala SDLC and template

May 3, 2020

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Maven release stra

• Create Scala SDLC.

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Create Scala SDLC.

• Simplify Scala project bootstrapping.

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GitHub Actions

- Create Scala SDLC.
- Simplify Scala project bootstrapping.
- Releasing strategy.

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• Maven is an example of a build management tool. A similar SDLC is achievable by using other means.

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- Maven is an example of a build management tool. A similar SDLC is achievable by using other means.
- Scala is an example, and we don't expect anyone to be a Scala expert for following this session. We are writing simple functions for the demo.

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Maven Site Reportin Eliminate boilerplate Maven release strate; GitHub Actions

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- We do bugs to show you the detailed steps to build the project, but we will fix it together

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Maven Site Reporting Eliminate boilerplate Maven release strategy GitHub Actions

- Maven is an example of a build management tool. A similar SDLC is achievable by using other means.
- Scala is an example, and we don't expect anyone to be a Scala expert for following this session. We are writing simple functions for the demo.
- We do bugs to show you the detailed steps to build the project, but we will fix it together
- This video focuses on local settings. In the next videos, we will show how to configure release this project using the CICD automated process with different tools.

Final Takeaways

Scala Sandbox

• Get your laptop ready with us, pause, and continue following every line.

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Scala maven projec Static analysis tool: Maven Site Reporti

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• Get your laptop ready with us, pause, and continue following every line.

• You need Java (8), and Maven (3.6.x) installed locally.

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Get your laptop ready with us, pause, and continue following every line.

- You need Java (8), and Maven (3.6.x) installed locally.
- Check our GitHub repo and articles for more detail.

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- Get your laptop ready with us, pause, and continue following every line.
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- Get your laptop ready with us, pause, and continue following every line.
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- Ask and share your question on our website.
- Please share with us your future expectations about this series.

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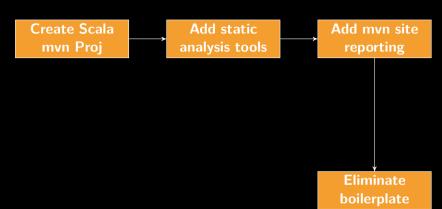


Figure: Outline

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Eliminate boilerplate

Create Scala Add static Add mvn site mvn Proj analysis tools reporting Mvn release

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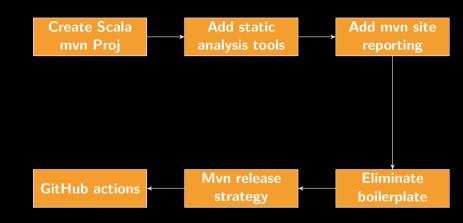
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• Create project skeleton.

Scala maven project

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Create Scala maven project

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- GitHub Action

- Create project skeleton.
- Add sample Scala Class.

Create Scala maven project

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- Maven release strat

- Create project skeleton.
- Add sample Scala Class.
- Configure maven to compile Scala sources.

Create Scala maven project

Scala mayen project

- Create project skeleton.
- Add sample Scala Class.
- Configure maven to compile Scala sources.
- Add sample Scala Test.

Create Scala maven project

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- Static analysis to
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- GitHub Actions

- Create project skeleton.
- Add sample Scala Class.
- Configure maven to compile Scala sources.
- Add sample Scala Test.
- Configure maven to run Scala test.

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Scala maven project

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- Create project skeleton.
- Add sample Scala Class.
- Configure maven to compile Scala sources.
- Add sample Scala Test.
- Configure maven to run Scala test.
- Configure maven to avoid compiling java classes and test classes.

Scala static analysis tools

- Add Scala code coverage tool.
- Solve the test running twice issue.

Scala static analysis tools

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Static analysis tools

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GitHub Actions

- Add Scala code coverage tool.
- Solve the test running twice issue.
- Add Scala style tool.

Scala static analysis tools

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Scala maven pr

Static analysis tools

maven site report

GitHub Actions

- Add Scala code coverage tool.
- Solve the test running twice issue.
- Add Scala style tool.
- Add FindBugs tool.

Maven Site Reporting

• Add Scala Coverage report.

Maven Site Reporting

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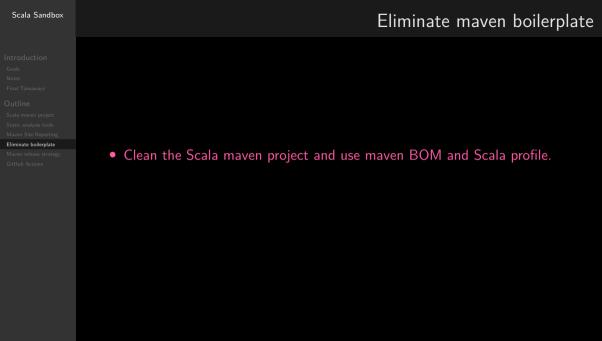
Maven release strat

Add Scala Coverage report.

Add FindBugs report.

Maven Site Reporting

- Add Scala Coverage report.
- Add FindBugs report.
- Add Scala docs report.



Clean the Scala maven project and use maven BOM and Scala profile.

Eliminate maven boilerplate

• Add SCM tag to maven (Scala maven project).

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Mayen release strategy

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• Add distribution management tag (Scala maven project).

Maven release strategy

Maven release strategy

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Maven release strategy

GitHub Action

- Add distribution management tag (Scala maven project).
- Create settings.xml to set repository server credentials (Github repository/package).

Maven release strategy

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Maven release strategy

GitHub Actions

- Add distribution management tag (Scala maven project).
- Create settings.xml to set repository server credentials (Github repository/package).
- Add maven release plugin.

Maven release strategy

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GitHub Actions

- Add distribution management tag (Scala maven project).
- Create settings.xml to set repository server credentials (Github repository/package).
- Add maven release plugin.
- Release out first version.



GitHub Actions

Add new GitHub/Workflow/build.yml for Build, Test and Report.

Add deployment with each develop push.

GitHub Actions

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GitHub Actions

- Add new GitHub/Workflow/build.yml for Build, Test and Report.
- Add deployment with each develop push.
- Add release with each master push (Merge request from develop to master).