



# Hamarosan kezdünk...

**Java programozás haladóknak**  
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2016





# Java programozás haladóknak 5. nap

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# Agenda

- Version control: **git**
- Build automation: **maven**
- Continuous integration: **codeship.com**
- Repository: **mymavenrepo.com**



# What is git?

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*Git is a free and open source **distributed version control system** designed to handle everything from small to very large projects with speed and efficiency.*

*Git is easy to learn and has a tiny footprint with lightning fast performance. It outclasses SCM tools like Subversion, CVS, Perforce, and ClearCase with features like **cheap local branching, convenient staging areas, and multiple workflows.***

From <https://git-scm.com/>

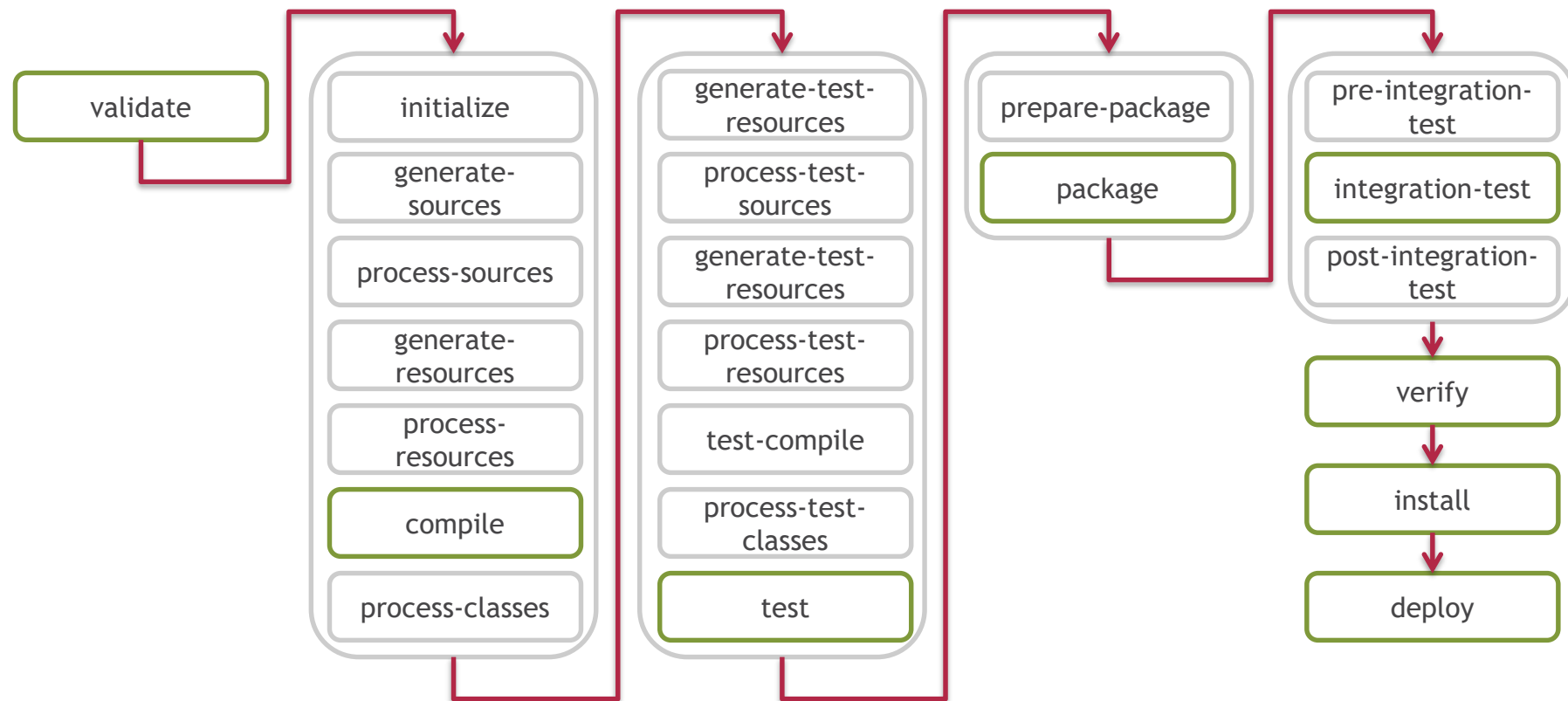
# What is maven?

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*Maven is a project management tool which encompasses a **project object model**, a set of standards, a **project lifecycle**, a **dependency management** system, and logic for executing plugin goals at defined phases in a lifecycle. When you use Maven, you describe your project using a well-defined project object model, Maven can then apply **cross-cutting logic** from a set of shared (or custom) plugins.*

From <http://maven.apache.org/>

# Default lifecycle



# What is Codeship?

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*Codeship is a fully customizable hosted CI platform.*

From <https://codeship.com/>

# What is Continuous integration?

The practice of merging all developer working copies to a shared mainline several times a day.

Best practices:

1. Maintain a code repository
2. Automate the build
3. Make the build self-testing
4. Everyone commits to the baseline every day
5. Every commit (to baseline) should be built
6. Keep the build fast
7. Test in a clone of the production environment
8. Make it easy to get the latest deliverables
9. Everyone can see the results of the latest build
10. Automate deployment





# Szünet, Hamarosan folytatjuk

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# Köszönöm a figyelmet!

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