



CERCETARE

CI / CD

pipeline cu Jenkins

Student:

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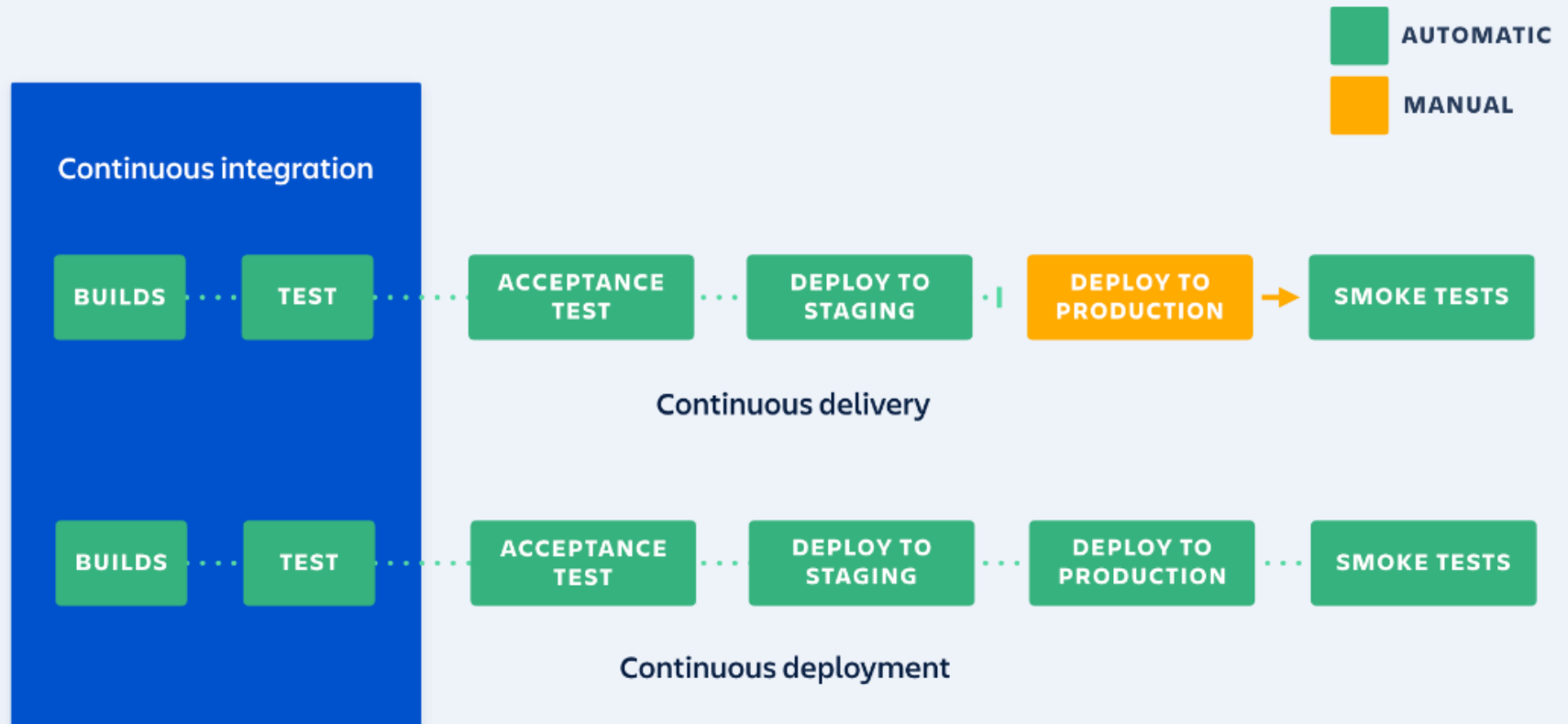
Coordonator științific:

S.I.dr.ing. Radu-Ioan Ciobanu

Context

- ▶ Ce inseamna CI/CD?
 - ▶ CI – Continuous Integration
 - ▶ Fiecare commit declanseaza un build de aplicatie + teste
 - ▶ CD – Continuous Delivery
 - ▶ Schimbarile ajung in productie cu interventie manuala (apasare de buton)
 - ▶ CD – Continuous Deployment
 - ▶ Schimbarile ajung in productie complet automat

Diagrama



In ce va consta proiectul

Obligatorii:

- ▶ Source Code Management:
 - ▶ **GitLab**, GitHub, Bitbucket
- ▶ Build / Test / Deploy:
 - ▶ **Jenkins**, GitLab, Bamboo, Travis, CircleCI, TeamCity
- ▶ Code Analysis:
 - ▶ **Sonar**, Checkmarx, Owasp

Extra:

- ▶ Configuration Management:
 - ▶ Ansible, Puppet, Chef, Saltstack
- ▶ Artifact Management:
 - ▶ Sonatype, Jfrog, Proget
- ▶ User Management:
 - ▶ LDAP, AD
- ▶ Issue Tracker:
 - ▶ Jira, GitLab, Taiga
- ▶ Notifications:
 - ▶ Slack, Fleep, Ryver