



THE **DEVOPS**
P L A T F O R M



Eficode Root DevOps platform is a complete, state-of-the-art software production line tailored to perfectly fit your organization's needs. It comes as a turn-key solution with flexible options for support, maintenance, hosting and continuous production line development.



RAMP-UP

- System Integration
- Training
- Project Onboarding
- Customization

OPERATION

- Maintenance
- Support
- Hosting

DEVELOPMENT

- Platform Evolution
- Consulting

KEY FEATURES

- **Project management:** Define tasks and requirements, then follow them through to production and beyond
- **CI/CD:** Define and run a full continuous integration and release pipeline
- **Test automation:** Integrate all automated testing - acceptance, performance, security, etc.
- **Environments:** Configure dev, test and production environments automatically
- **Automated deployments:** Deploy fast to any and all environments
- **Monitoring:** Monitor key parts of the system and get notified before problems actually appear.
- **Analytics:** Track and analyze the complete pipeline operation
- **Control access** to the DevOps platform resources from a single place
- **Team communications:** Communicate effectively within and across the team boundaries
- **Documentation management:** Make sure that documentation is easily available

PLATFORM MAINTENANCE AND HOSTING SERVICES



PROACTIVE
MAINTENANCE



MONITORING &
INCIDENT MANAGEMENT



SERVER
INFRASTRUCTURE



DATA
BACKUPS

ON-DEMAND SUPPORT AND PLATFORM DEVELOPMENT SERVICES



ADVICE IN TOOL USAGE,
PROBLEM SOLVING



DEVELOPMENT OF
NEW TOOLS & EXTENSIONS



BUILD PIPELINE DESIGN
& SETUP



TOOL
CONFIGURATION

WHY USE EFICODE ROOT?

For Management

- Higher throughput, faster value delivery
- End-to-end visibility to all production phases via data driven tracking, reports and dashboards

For Research & Development

- Relieve resources and focus from the software production line and tool maintenance to more value adding software development, testing and operations related tasks
- Get access to the latest devops tools once they reach maturity for productions use

For IT and technical support functions

- Avoid investments to internal production line and the related support functions
- Avoid overlapping tool licensing and maintenance costs from running multiple product or team specific software production lines

For Supplier Management

- Take control over the key assets and IPR in a multi-vendor environment – requirements, error reports, source code, installable packages, documentation
- Compare and monitor supplier performance

HOW CAN ROOT HELP YOU?

DNA, a Finnish telecom company, has benefited tremendously from adopting Devops practices in its multi-vendor environment with Eficoderoot's strong support.



Without Devops practices, building the same capabilities would have had operational and development costs of several thousand euros per hour. Annual savings range from millions to tens of millions, when also accounting for the faster launching of products and the ability to respond more rapidly to changing market conditions.

Mikael Kuisma

DNA Change and Release Manager

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AN EXAMPLE IMPLEMENTATION

Start with a pre-integrated reference architecture or pick and mix the tools of your choice


ACCESS
CONTROL

 Grafana



ANALYTICS

 elastic

ZABBIX



MONITORING


VERSION
CONTROL

 Bitbucket


CODE
ANALYSIS

 sonarqube


BINARY
STORAGE

 Jfrog Artifactory


AUTOMATED
TESTING

 ROBOT FRAMEWORK


AUTOMATED
DEPLOYMENT

 RANCHER

 ANSIBLE



CONTINUOUS INTEGRATION AND DEPLOYMENT



Jenkins



DOCUMENT MANAGEMENT & TEAM COMMS

 Confluence

 RocketChat



REQUIREMENTS & PROJECT MANAGEMENT

 Jira



ENVIRON-
MENTS

 docker

 Terraform



CLOUD

 amazon
web services

 Microsoft
Azure

 Alibaba Cloud