



PIACERE

Programming trustworthy Infrastructure as Code
in a sECuRE framework

ID: 101000162



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Towards a holistic approach to the secure infrastructure automation

Designed to increase
the productivity of
DevOps teams in IaC
development and
operation through
the provisioning of
an integrated
DevSecOps
framework.

DEV

Improve the ability of (non-)expert DevSecOps teams to model provisioning, deployment and configuration of applications and underlying execution environments.

SEC

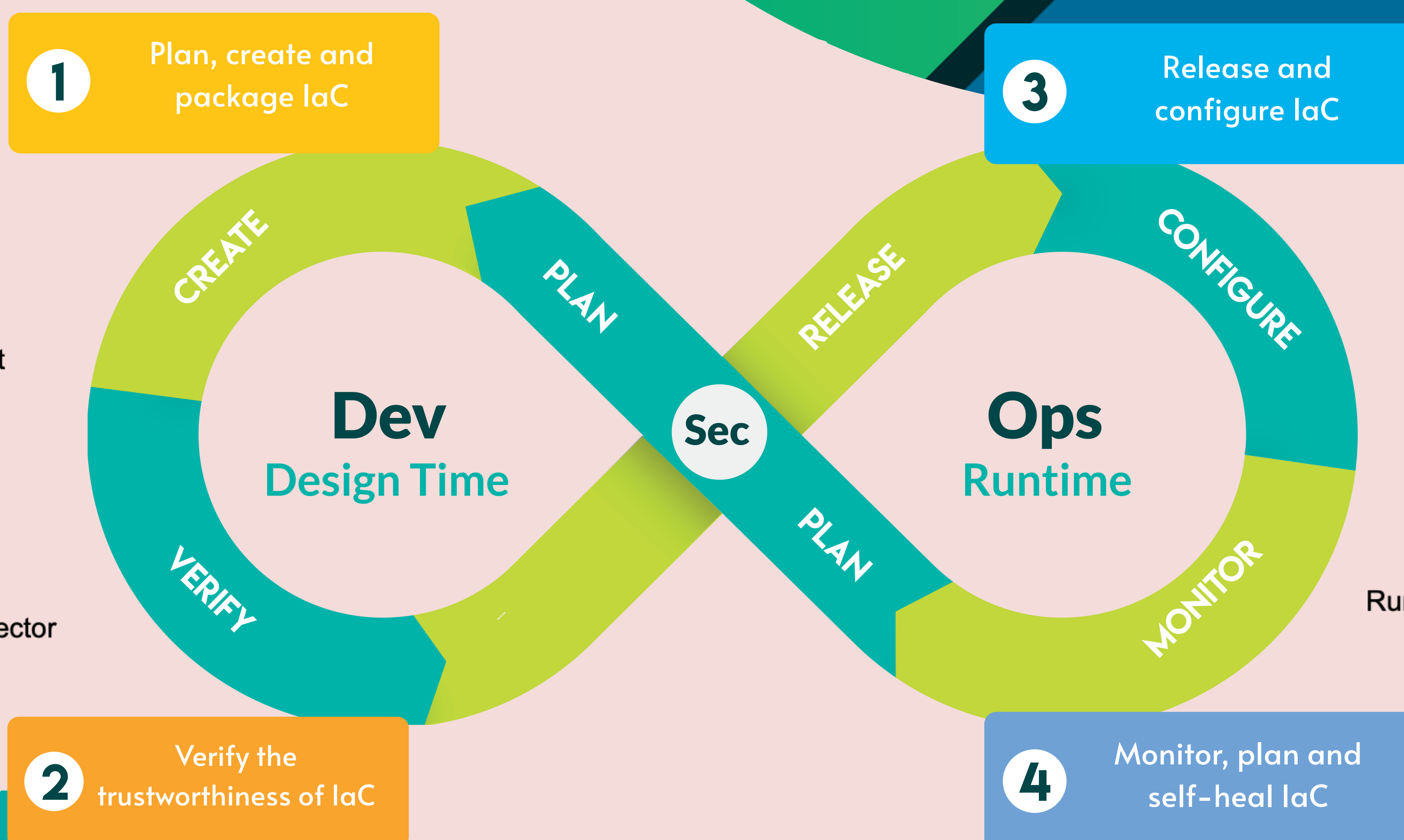
Regain trust in IaC through the DOML verification and the automation of IaC code quality checking for errors and vulnerable dependencies, and thus improving IaC integrity and applicability.

OPS

Avoid vendor lock-in and time consuming manual processes in infrastructure management, while increasing resilience and supporting self-healing.

Seamless IDE for Secure DevOps

Guided workflow of
tools from IaC design
to app lifecycle
management with
monitoring, self
healing and self
learning



DESIGN TIME

- DevSecOps Modelling Language DOML
- Integrated Development Environment
- Infrastructural Code Generator
- DOML Model Checker
- IaC Code Security Inspector
- Component Security Inspector

RUNTIME

- Canary Sandbox Environment
- IaC Optimized Platform
- IaC Execution Manager
- Self-learning and self-healing mechanisms
- Runtime Security Monitoring



"Configure complex private clouds and enable an agile way of delivering information systems (IS) for the public administration"

Stjepan Pervan, Slovenian
Ministry of Public Adminsitration
Public Adminsitration hosting
information systems on a
centralized infrastructure



"Be able to deploy the same software application on different infrastructures with limited additional effort"

Ismael Torres Boigues,
PRODEVELOP
Critical Maritime infrastructure
for fulfilling the management
needs of port authorities



"Automate the configuration of complex networks and support the deployment of a container-based distributed system"

Cosimo Zotti, ERICSSON
Public Safety on IoT in 5G
of both human and IoT
devices

PIACERE SUCCESS STORIES

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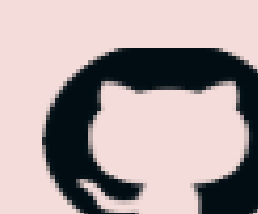
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