PROGRAMMING TRUSTWORTHY INFRASTRUCTURE AS CODE IN A SECURE FRAMEWORK

PIACERE DESIGN TIME

PROBLEM

The problem that we are addressing is to improve the ability of non-expert DevSecOps teams to model provisioning, deployment and configuration needs in complex contexts by providing a set of abstractions of execution environments and composing them into machine-readable representations.

Plan and create **infrastructure as code**

Verify the **trustworthiness of Infrastructure as Code**

Package release and configure **Infrastructure as Code**

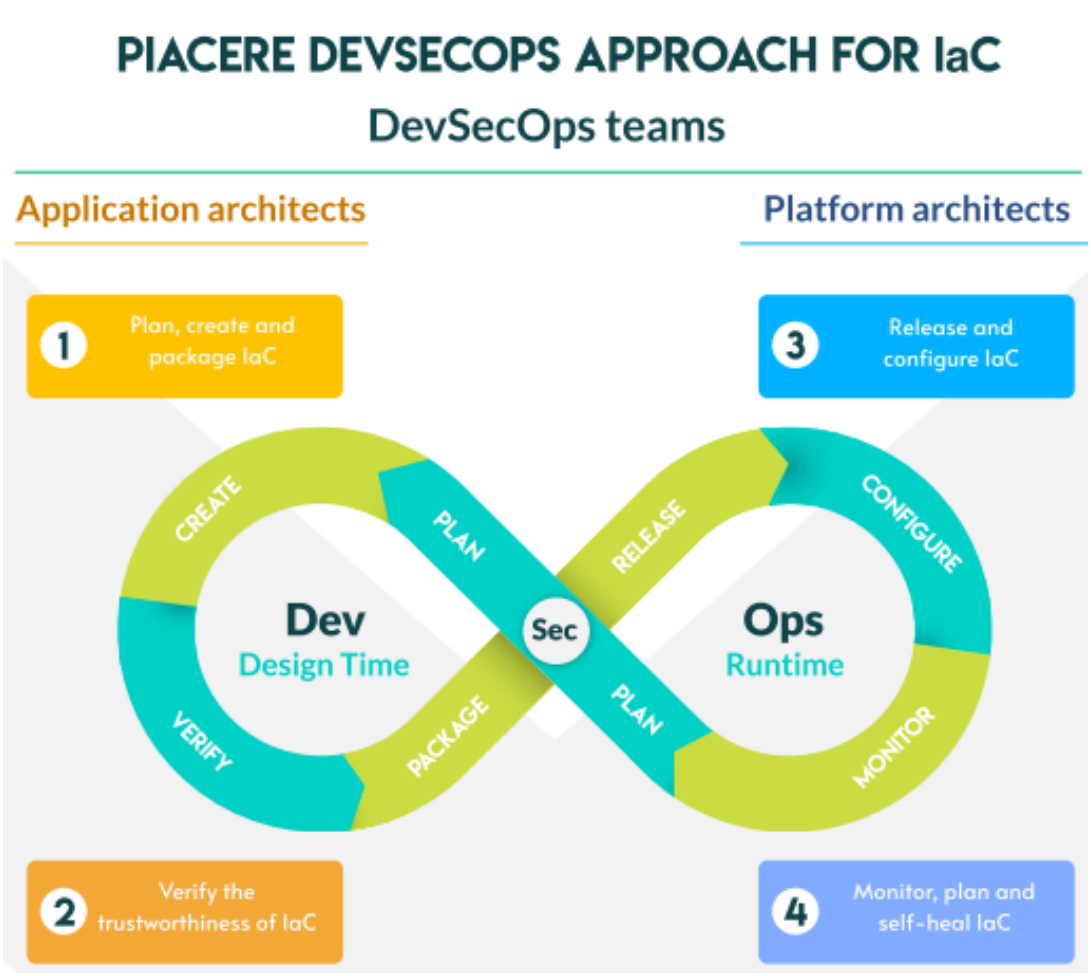
Monitor plan and self-heal runtime **of Infrastructure as Code**

DEVSECOPS MODELLING

ENHANCED SECURITY

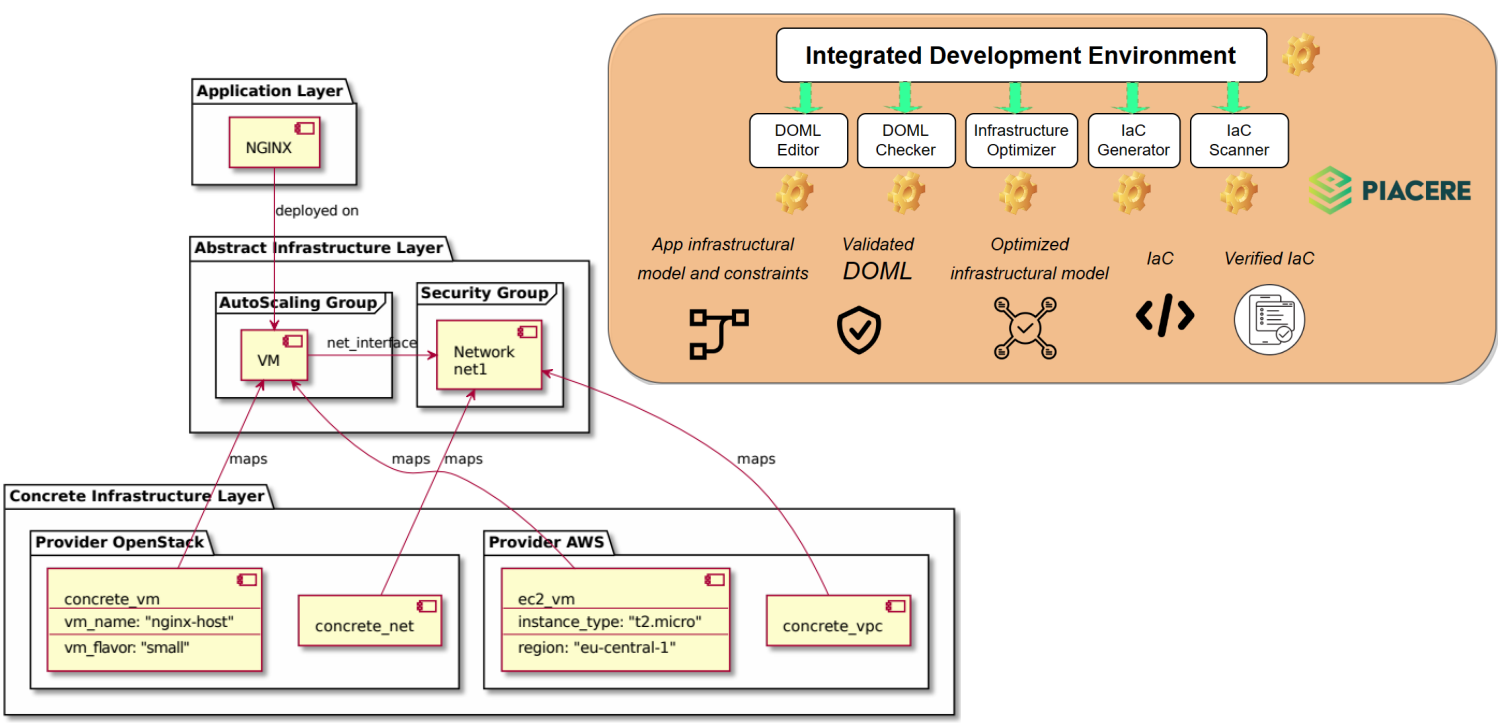
SOLUTION

DOML is the end-user language enabling the modelling of deployment and configuration of complex infrastructural software in a way that can then be transformed by IaC Generator (ICG) in executable IaC. Such a language allows DevSecOps teams to select and combine abstractions with the purpose of creating a correct infrastructure provisioning, configuration management, deployment and self-healing model.



VALUE

DOML language for expressing user-defined properties allows DevSecOps teams to select and combine the abstractions with the purpose of creating a proper infrastructure provisioning, configuration management, deployment and self-healing model.



Project coordinator:
Juncal Alonso, TECNALIA
juncal.alonso@tecnalia.com

@PIACERE project H2020 @PIACEREproject @PIACERE www.piacere-project.eu

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