

Compliance as Code (CaC)

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Discussion

Compliance as Code (CaC) represents compliance criteria, assessment logic, configuration expectations, remediation instructions, and evidence-generation rules through machine-processable artifacts.

CaC enables automated tools to apply, evaluate, compare, report, and reproduce compliance-related activities within build, deployment, and operational processes.

CaC may include machine-processable benchmarks, profiles, control mappings, policy rules, validation logic, remediation content, evidence templates, and reporting rules.

Within Crucible, CaC supports declaration of a [Compliance Posture](#), automated scanning during an Image Build, normalization of findings, remediation, and generation of reproducible compliance evidence.

Definition

representation of compliance criteria, assessment logic, configuration expectations, remediation instructions, and evidence-generation rules through machine-processable artifacts

Source

Generalized from policy as code, security automation, continuous compliance, machine-processable benchmarks, and configuration management and specialized for the Crucible architecture and operational model.

Note

CaC does not replace governance judgment, legal interpretation, risk acceptance, accreditation, or authorization decisions.

Machine-processable content may implement only part of an applicable compliance obligation. Organizational procedures, human review, external evidence, or contextual interpretation may remain necessary.

Example

A machine-processable [Security Technical Implementation Guide \(STIG\)](#) profile defines configuration checks and remediation content for [RHEL 9](#). Crucible applies the content during an Image Build and produces normalized findings and associated evidence.

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