

Declaration

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Discussion

A Declaration is an explicit, machine-processable statement that identifies a value, selection, relationship, constraint, capability, requirement, or intended condition within a defined language or information structure.

The language or information structure determines the permitted form, meaning, validation rules, and processing effect of the Declaration.

A Declaration makes information explicit rather than leaving a processing system to derive the information solely from defaults, inference, convention, or implementation behaviour.

One or more Declarations may form part of a [Declarative Description](#). Within a [Crucible Description](#), Declarations may identify source locations, pinned versions, providers, machine-image requirements, infrastructure requirements, compliance posture, or target environments.

Definition

explicit, machine-processable statement that identifies a value, selection, relationship, constraint, capability, requirement, or intended condition within a defined language or information structure

Source

Generalised from programming languages, configuration languages, policy languages, modelling languages, and declarative-system usage.

Note

A Declaration does not necessarily establish a normative requirement. Its effect depends on the language, information structure, processing rules, and context in which it appears.

The controlled term applies when a statement has a defined machine-processable meaning. An ordinary spoken or written declaration does not necessarily satisfy this definition.

A declared value differs from a defaulted or inferred value because the applicable artefact states the declared value explicitly.

Example

A Crucible Description contains a Declaration that selects a STIG benchmark and enables remediation for a machine-image build.

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Last update: **2026/07/13 11:23**

