



Runtime descriptor schema

This schema describes the immutable task descriptor supplied to the browser runtime when a rendered document needs runtime validation.

Margo runtime descriptor v1/v2

The immutable task descriptor supplied to a Margo browser runtime.

documentFingerprint *string* *

pattern="^[0-9a-f]{64}\$"

protocol *string* *

enum=["margo-runtime/v1","margo-runtime/v2"]

renderInstanceID *string* *

pattern="^ri-[0-9a-z]{8,32}\$"

tasks *array* *

*

dependsOn *array* *

id *string* *

pattern="^ri-[0-9a-z]{8,32}:[a-z][a-z0-9-]{0,31}:[0-9]{8}:[0-9a-f]{64}\$"

inputSHA256 *string* *

pattern="^[0-9a-f]{64}\$"

kind *string* *

pattern="^[a-z][a-z0-9-]{0,31}\$"

validationRequest *object*

browserProfile *string **

minLength=1

deviceScaleFactor *number **

expectedFontBundleDigest *string **

pattern="^[0-9a-f]{64}\$"

viewportHeight *integer **

minimum=1

viewportWidth *integer **

minimum=1

zoom *number **

Used by

- The Go module's PDF and deck integrations.
- Browser validation tasks that accompany rendered HTML.
- `margo schema runtime-descriptor`, which emits the exact embedded bytes.