

# sigs.k8s.io/json



## Introduction

This library is a subproject of [sig-api-machinery](#). It provides case-sensitive, integer-preserving JSON unmarshaling functions based on `encoding/json.Unmarshal()`.

## Compatibility

The `UnmarshalCaseSensitivePreserveInts()` function behaves like `encoding/json.Unmarshal()` with the following differences:

- JSON object keys are treated case-sensitively. Object keys must exactly match json tag names (for tagged struct fields) or struct field names (for untagged struct fields).
- JSON integers are unmarshaled into `interface{}` fields as an `int64` instead of a `float64` when possible, falling back to `float64` on any parse or overflow error.
- Syntax errors do not return an `encoding/json.SyntaxError` error. Instead, they return an error which can be passed to `SyntaxErrorOffset()` to obtain an offset.

## Additional capabilities

The `UnmarshalStrict()` function decodes identically to `UnmarshalCaseSensitivePreserveInts()`, and also returns non-fatal strict errors encountered while decoding:

- Duplicate fields encountered
- Unknown fields encountered

## Community, discussion, contribution, and support

You can reach the maintainers of this project via the [sig-api-machinery mailing list / channels](#).

## Code of conduct

Participation in the Kubernetes community is governed by the [Kubernetes Code of Conduct](#).