

Producing JSON



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Module Overview

Manual Manufacture

String concatenation or
formats

Generator API

Explicit writing of JSON
document

Binding API

Automatic serialization
of POJOs as JSON



Manual Manufacture



Demo



Produce JSON manually

The same loan application

How not to produce JSON!

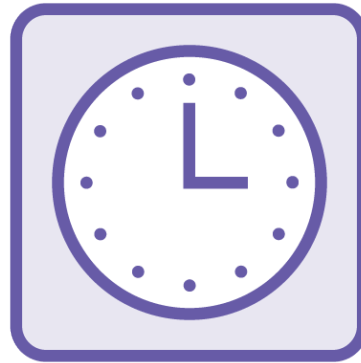


Problems of Manual Manufacture



Error Prone

A typo can produce
invalid JSON



Time Consuming

Has to be written for
every object



Hard to Maintain

Custom code written
for every field



Generator API



Demo



Produce JSON with the Generator API

The same loan application



Pros of Generator API



Valid Formatting

Less susceptible to typos and less error prone



Less Maintenance

Less work to add or remove a field



Can we simplify this process
even more?



Binding API



Demo



Produce JSON with Binding API

The Same loan application



Conclusions



API Comparison

Generator API

More effort

Enables complete customization

Doesn't require data in POJO form

Higher performance for large documents

Binding API

Simple to use and maintain

High productivity for most cases

Best approach in most cases



Summary



Don't generate JSON by hand

Use an API, normally a binding API

Generator based APIs are highly customisable and performant

