

# Fleece

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⚠️ FINAL ⚠️

This proposal is now complete and has been submitted for a VOTE.

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## Apache Fleece Proposal

### Abstract

Apache Fleece is an implementation of JSR-353 (JavaTM API for JSON Processing).

### Proposal

Apache Fleece will consist of a number of modules. Mainly an implementation of JSR-353 but also a set of useful modules to help with the usage of JSR-353 (surely a mapping module and a jaxrs provider module).

### Background

JSon being more and more important JavaEE 7 specified an API to read and create JSon objects/arrays.

Apache Fleece builds on this specification a potential base to do JSon at Apache (hopefully it will be integrated with CXF for instance).

### Rationale

There is not yet a JSon related project at Apache but a lot of projects rely on some specific implementations (jettison, jackson, others...). Proposing a default would be great. The other point is a set of Apache projects related to JavaEE (CXF, TomEE, Geronimo, Axis2...) will need an implementation. Having one built at Apache is a really nice to have.

### Initial Goals

The initial goal of the Apache Fleece project is to get a JSR-353 compliant implementation

### Current Status

Initial codebase was developed on github but designed to be integrated in Apache.

### Meritocracy

Initial community will be mainly composed of already Apache committers so meritocracy is already something well known.

### Community

Initial community will be composed of TomEE community for sure, hopefully CXF and potentially all JSon users of Apache.

### Initial committers

- Romain Manni-Bucau (individual, ASF)
- Jean-Louis Monteiro (individual, ASF)
- Mark Struberg (individual, ASF member)
- Gerhard Petracek (individual, ASF member)
- David Blevins (individual, ASF member)
- Sagara Gunathunga (ASF)

### Alignment

Several Apache project will need a JSR-353 implementation. Having a project which can be shared is better than having a sub project of a particular project. Moreover this project makes sense "alone" since users can integrate it without any other dependencies and use it to read/generate JSon in their project so it makes sense to create a dedicated project.

### Known Risks

Main risk is to get a not so active project since the specification is not that big.

## Documentation

There is no documentation to import today but it will be created using standard ASF tools (ASF CMS mainly).

## Initial Source

Initial sources are on this git repository: <https://github.com/rmannibucau/json-impl.git>

## Source and IP Submission Plan

Initial sources are under Apache license v2.

Side note: it was really developed to be integrated in this project (without waiting it to be created).

## Required Resources

### Mailing Lists

- [dev@fleece.incubator.apache.org](mailto:dev@fleece.incubator.apache.org)
- [commits@fleece.incubator.apache.org](mailto:commits@fleece.incubator.apache.org)
- [private@fleece.incubator.apache.org](mailto:private@fleece.incubator.apache.org)

### Version Control

It is proposed that the source code for the Apache Fleece project be hosted in the Apache Git repository, under the following directory:

- [git.apache.org/incubator-fleece.git](https://git.apache.org/incubator-fleece.git)

### Issue Tracking

The following JIRA project would be required to track issues for the Apache Fleece project:

- FLEECE

### Initial Committers

- Romain Manni-Bucau
- Jean-Louis Monteiro
- Mark Struberg
- Gerhard Petracek
- David Blevins

### Sponsors

### Champion

- Mark Struberg

### Nominated Mentors

- Justin Mclean
- Christian Grobmeier
- Daniel Kulp

### Project Name

Seems *Fleece* is the name which satisfies most of people but we can still ask for a new name if we feel it needed before being graduated.