

# Concept - Config By File

See: [Concept - Config By X](#)

Note, this concept is about the implementation of creating configuration via a file, whereas the format of the files is concepted here: [Config By X - File format discussions](#)

## Purpose

### Goals

Developers like working with files and have a lot of familiarity with tools and workflows there. It would be a benefit if configuration could be worked on the same as resources, templates and code.

In the ConfigByX document we explore the benefits of a "Volatile Configuration" over bootstraps that persist configuration to the repo. ConfigByFile is how non-java developers can take advantage of this. It also has the benefit of a clean hierarchical format.

## Analysis

Why might some developers prefer to work on resources and templates as files (in an IDE or text editor) rather than in adminCentral?

	AdminCentral	In files
	Easy to find Everything in context Anyone can access and change running instance	Multiple files at a time Keyboard shortcuts Excellent and familiar UI of desktop IDE

## Requirements

- Have a clean, human readable syntax (Not JCR "system view") Maybe xml like "JCR document view", json, ...
  - The format has to come with a schema so we can e.g. offer autosuggest in editors
- Configuration changes are considered without restart of the system

## Implementation

- Note: We'll have to implement BeanBuilders for the chosen format
  - Node2Bean might be reused to some extent
- ...