**Solutions Strategy Guide**

Contents

[About 2](#_Toc452408530)

[Guiding Examples 3](#_Toc452408531)

[Pros and Cons 4](#_Toc452408532)

[Possible difficulties 4](#_Toc452408533)

[My Opinion 4](#_Toc452408534)

[Amount of work expected 4](#_Toc452408535)

[Forges 4](#_Toc452408536)

[Pros and Cons 5](#_Toc452408537)

[Possible difficulties 5](#_Toc452408538)

[My Opinion 5](#_Toc452408539)

[Amount of work expected 5](#_Toc452408540)

[Wiki 5](#_Toc452408541)

[Pros and Cons 6](#_Toc452408542)

[Possible difficulties 6](#_Toc452408543)

[My Opinion 6](#_Toc452408544)

[Amount of work expected 6](#_Toc452408545)

[Content Management Systems 6](#_Toc452408546)

[Pros and Cons 7](#_Toc452408547)

[Possible difficulties 7](#_Toc452408548)

[My Opinion 7](#_Toc452408549)

[Amount of work expected 7](#_Toc452408550)

[Building From Scratch 7](#_Toc452408551)

[Pros and Cons 8](#_Toc452408552)

[Possible difficulties 8](#_Toc452408553)

[My Opinion 8](#_Toc452408554)

[Amount of work expected 8](#_Toc452408555)

# About

We gathered a list of existing technologies to refer to and/or possibly use for this project, however the list ended up being pretty large so we divided this project into five different approaches: using existing examples and adding additional features we could build ourselves (Ruby Gems, PyPI, etc), using forges like gitlab, github, gogs, and doing something like an organization on github, a “wiki” style like CSPOGIL, through the use of a content management system like Drupal, Orchard Project, etc, or building from scratch.

# Guiding Examples

Guiding examples are existing projects that do what we want or COULD do what we want with a few modifications. This would likely require the least amount of work, some plugins could be built, maybe we’d need access to an API which some of these do provide, like Atom.io and Ruby Gems.

## Pros and Cons

|  |  |
| --- | --- |
| Pros | Cons |
| Least Amount of work | May not tailor to exactly what we’re looking for |
| Ruby Gems has an existing package manager | Not all of these websites are open source |
|  | Possibly 3rd party hosting/ someone needs to oversee the project / monitor activity |
|  | May need extra plugins to achieve what we want |

## Possible difficulties

* We may need to build some applications for extended functionality
* Sifting through code to understand what is going on, if we do reuse a site and add to it

## My Opinion

### Amount of work expected

# Forges

Forges are essentially existing project/repository managers like github, gogs, gitlab. Etc. Some of these “forges” provide features like github’s organization feature, which would allow for the monitoring of multiple repositories.

## Pros and Cons

|  |  |
| --- | --- |
| Pros | Cons |
| Not as much work required as building from scratch | Needs a person or a group of people to oversee the “organization” |
|  |  |

## Possible difficulties

## My Opinion

### Amount of work expected

# Wiki

## Pros and Cons

## Possible difficulties

## My Opinion

### Amount of work expected

# Content Management Systems

## Pros and Cons

## Possible difficulties

## My Opinion

### Amount of work expected

# Building From Scratch

## Pros and Cons

## Possible difficulties

## My Opinion

### Amount of work expected