

bytecast-fsys Spiral 1 A-Specifications

Purpose:

The purpose of bytecast-fsys is to provide an interface that parses executable object files and returns binary assembly data, dependency information, and segment metadata to the user.

Requirements:

- 1.) Shall read a binary a.out file in the ELF-amd64 file format generated from the following piece of C code:

```
1#include <stdio.h>
2
3int main(int argc, char* argv[])
4{
5    if(argv[0]=="1")
6        printf("%s", argv[1]);
7    else
8        printf("%s",argv[2]);
9
10    return 0;
11}
```

- 2.) Shall output an object that contains segment binary content, addresses, and label.
- 3.) Shall output an object that contains the dependency metadata.
- 4.) Shall provide an interface to the bytecast-amd64 subsystem.
- 5.) Shall be written in Java.
- 6.) Shall follow coding standards provided.