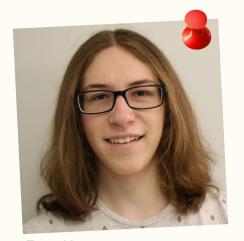
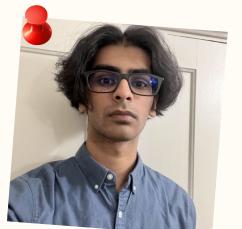
ScumWM Concrete Architecture

Presented by Jacob McMullen and Reid Stobo

https://youtu.be/HHxqN8vlbA8



Evan K.



Kashan R.



Mike S.



Ryan J. (Group Leader)

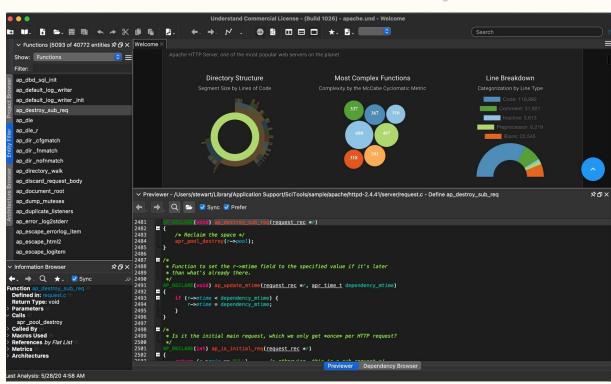


Reid S.



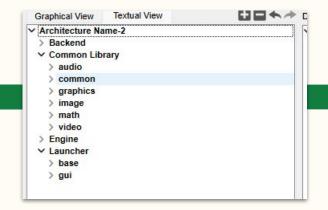


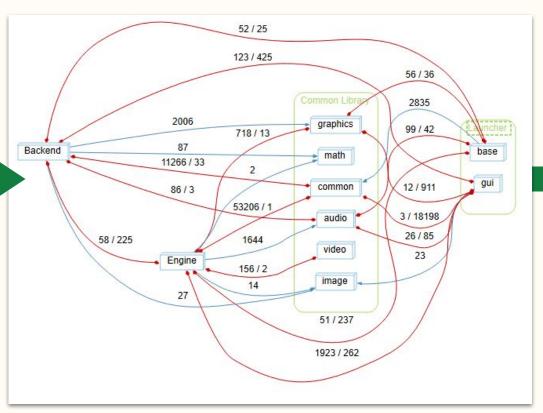




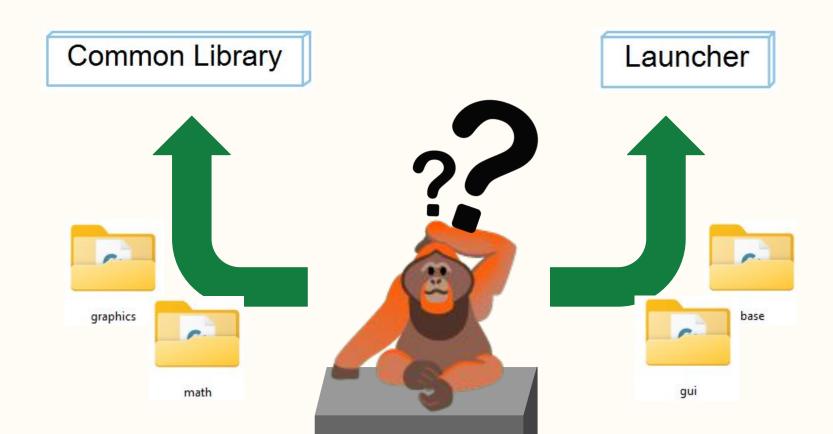
Component Structure to

Dependency graph

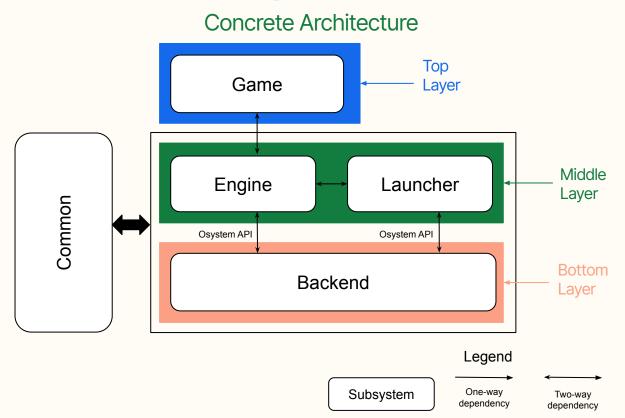




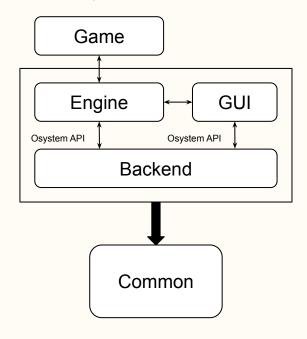
Unexpected Directories



ScummVM Top-Level Architecture



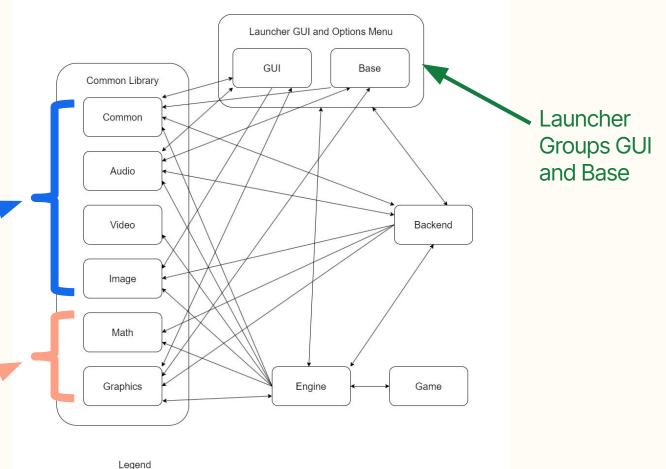
Conceptual Architecture

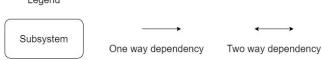


ScummVM Top-Level Architecture

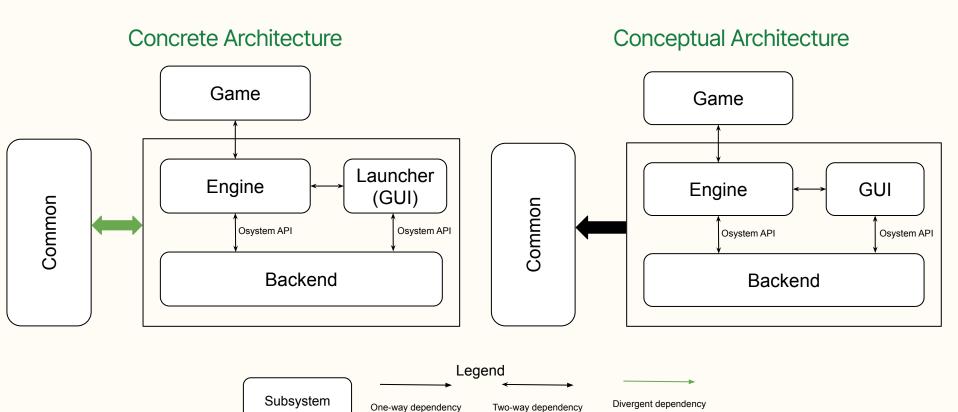
Documented Common Library Directories

Added Common Library Directories



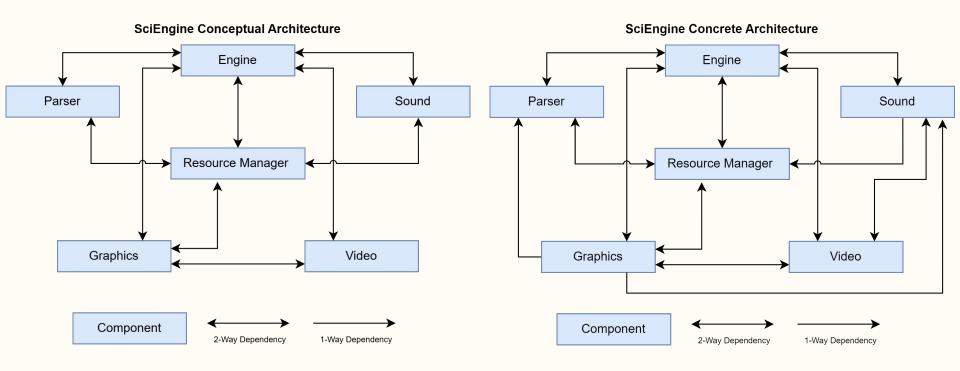


High-Level Reflexion Analysis



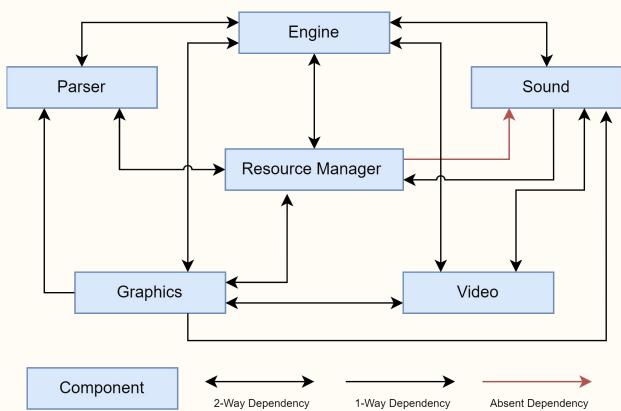
SciEngine Components engine sci graphics ∇ video ▽ engine ∇ parser ∇ resource ∇ sound ▽ 830 / 1991 40 / 17 graphics 241 / 812 5908 7005 171 1104 3634 553 19 / 40 Common Library 10 / 87 sound 211 / 15 parser 154 / 23 14 / 10/ 36/2 345 video video ▽ graphics ∇ sound ▽ engine ∇ parser ∇ resource ∇ 4(20 34 338 12 835 5835 6646 2799 171 1104 15 resource Common Library video ∇ image ∇ graphics ∇ audio ∇ common ∇ math ∇

SciEngine Reflexion Analysis

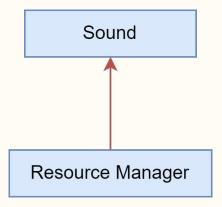


SciEngine Reflexion Analysis

SciEngine Concrete Arch. Reflexion Analysis (Absences)

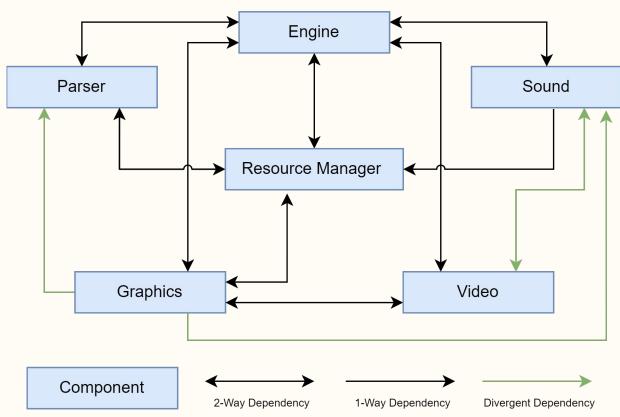


Absences:

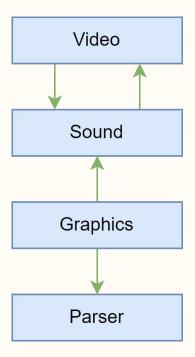


SciEngine Reflexion Analysis

SciEngine Concrete Arch. Reflexion Analysis (Divergences)



Divergences:

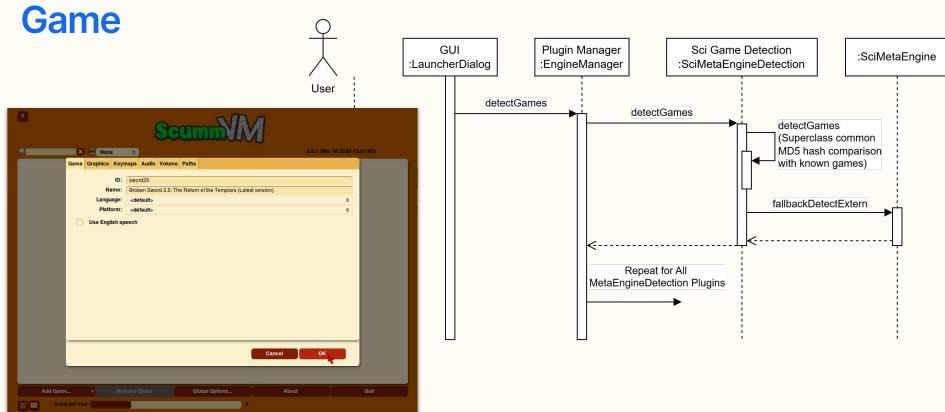


Use Case: Adding

Game GUI Common File Browser Filesystem API :LauncherDialog :BrowserDialog User Add Game runModal showFileDialog Select Game Directory ScummVM Game Directory X ⋅ None ¢ 2.8.1 (Mar 16 2024 13:01:03) Read Directory Contents Read host filesystem **=** - 0 Games Folder 10/8/2024 7:58 PM File folder Folder: Games Folder About Quit

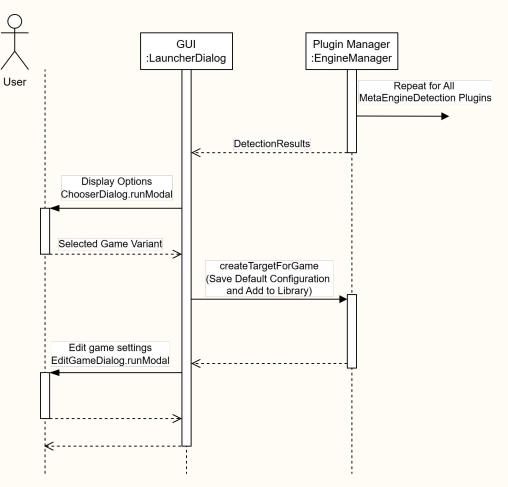
Platform Backend

Use Case: Adding



Use Case: Adding Game







Closing thoughts...