Components and Glue

Context

Components that can be used and reused in different combinations.

Discussion

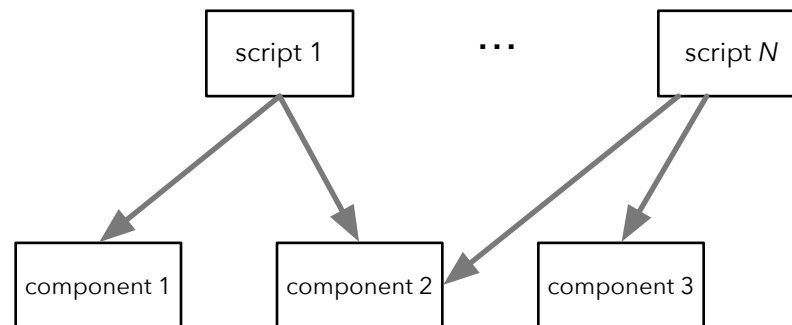Some long-lived systems use this pattern:
- Visual Basic (VB/VBA and controls)
- Delphi
- Emacs

Some new architectures are instances.
- Node API over microservices
- AWS Lambda

Forces

- Component authors are separate from the assemblers
- End-user programming may be present
- Scripts may appear or disappear at any time
- Components may be substituted or intermediated.
- Components may be written in different languages than the glue.
- Components support dynamic interfaces (usually with introspection or discovery)
- Components are not "aware" of their consumers

Consider: Where do the scripts execute?

Question: How does this differ from a plugin architecture?