



Why?

- Module instances are initialized (onModuleLoad() call) for each “inherits” declaration
- In order to prevent circular dependency we need 2 separate modules
 - One to provide all the tooling and server access (AdminCentral)
 - One to ensure proper initialization (needs to inherit all the existing modules and call AdminCentral.init() in it's onModuleLoad() method. This module needs to be initialized exactly once.

Module Development

- for modules like WCM or DMS:
 - decide up-front if this module is final or not
 - for final modules, do all the initialization and expose all it wants to expose via Registry in `onModuleLoad()` method
 - for non-final modules, ensure `onModuleLoad()` call is as lightweight as possible as they might be called by others multiple times

ModuleDevelopment

- Individual modules should not try to keep instances of AdminCentral around and rely on it as a share for information since there will be multiple instances of the module around

AdminCentral

- Backend module of the front-end :D
- reads configuration from the config workspace and exposes all other initialized modules artifacts from the registry and puts them in proper place
- provides facility to execute server calls via REST/JSON

AllTogether

- Main AdminCentral entry point
- Should get better name - suggestions?
- All this module does is listing all other available modules in its “inherits” section
- Modules will be initialized in the order listed unless they themselves inherit other modules
- Even if some module was already initialized, it will be loaded again if declared in inherits section of other module

AllTogether - contd.

- it's only entry point will in the end grab existing AdminCentral instance from the registry and call an init() method on it.
- Can be (should be) generated.

HostedMode

- running from eclipse
- main project - magnolia-empty-webapp
- need to execute `war:inplace` and then delete all the jars from `webinf-lib` that are supposed to be executed in hot-deploy mode

HostedMode

- sometimes it is necessary to copy module entry point and descriptor to the WEB-INF/classes before gwt:eclipsePlugin will pick it up