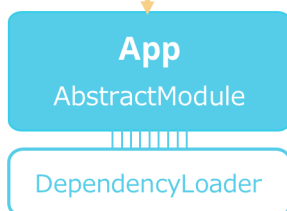
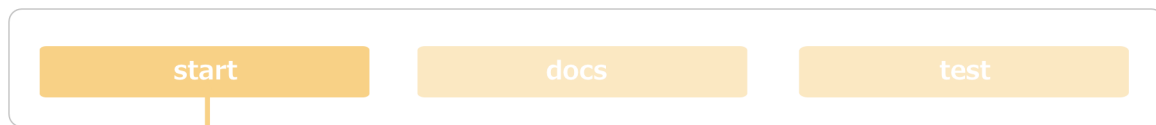


Adapt Authoring Tool Boot Illustration

This diagram briefly illustrates the boot order of the application at a very high-level.

Please see the separate diagram for an explanation of how modules are booted specifically, along with how they should interact with other modules during this process.

- 1 App started with `node bin/cli start`
Start script instantiates App (via `App.instance getter`) + runs `App#start`.
See [adapt-authoring/bin/start.js](#)



- 2 App constructor instantiates DependencyLoader
See [adapt-authoring-core/lib/app.js#L50-L65](#)

- 3 DependencyLoader instantiates all Adapt deps from package.json (utilities first, then modules).
See [adapt-authoring-core/lib/app.js#L66-L67](#)

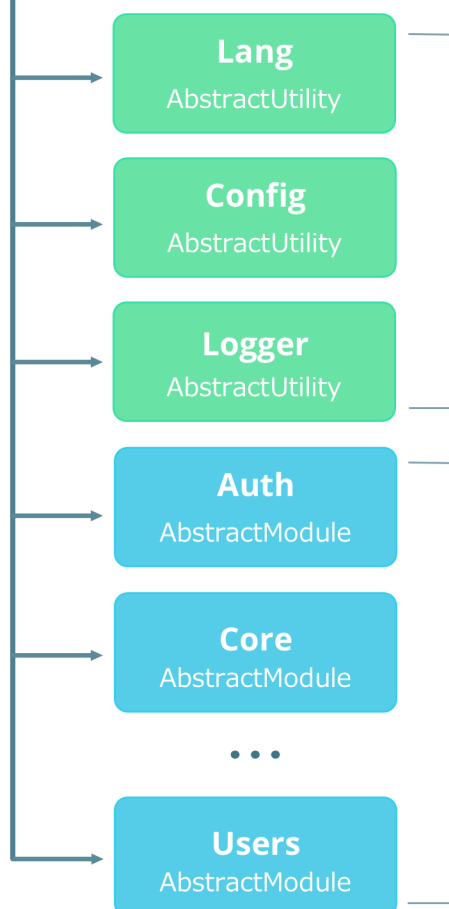
Note: at this point, all deps have been created

- 4 DependencyLoader preloads modules
See [adapt-authoring-core/lib/dependencyloader.js#L141-L144](#)

Note: at this point, all modules have been preloaded

- 5 DependencyLoader boots modules
See [adapt-authoring-core/lib/dependencyloader.js#L150-L153](#)

Note: at this point, all modules have been booted



Utilities



Reusable libs to be used throughout the app

Hard-deps for the app. Loaded syncly **before** modules (app fails if any utilities can't be booted).

Which utilities + the load order of utilities is defined in App.
See [adapt-authoring-core/lib/app.js#L66](#)

Modules

Always loaded **after** utilities

Have a multi-step boot process consisting of distinct **create > preload > boot** stages (see separate diagram).

- 6 Application is now running and listening for client requests.