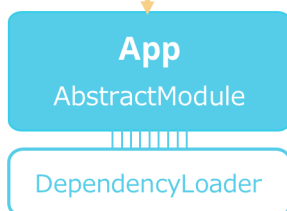
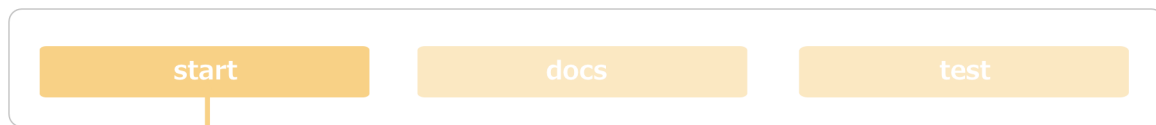


Adapt Authoring Tool Boot Illustration

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` creates (instantiates) all dependencies defined in `package.json`.
See [adapt-authoring-core/lib/app.js#L66-L67](#)

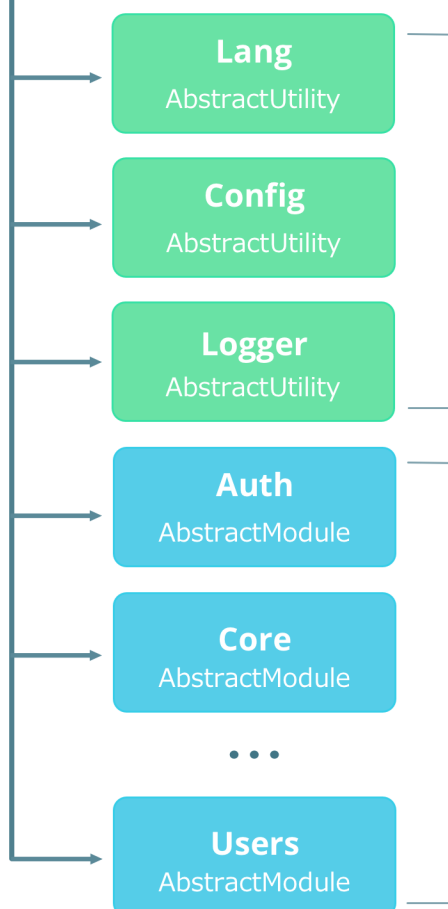
Note: at this point, all deps have been created

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

Note: at this point, all deps have been created

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

Note: at this point, all deps 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

Modules are loaded after utilities

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

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