

the “swiftenv”

5/26 '16

Swift 3.0 and the “swiftenv”

Swift 3.0 will be released in late 2016. It's not source-compatible with Swift 2.2.

Follow swift.org and the Swift Evolution.

swiftenv allows you to easily install, and switch between multiple versions of Swift.

<https://github.com/kylef/swiftenv>

```
# Install the swiftenv from brew
$ brew install kylef/formulae/swiftenv
# Setup your shell setting. Bash here for example.
$ echo 'if which swiftenv > /dev/null; then eval "$(swiftenv init -)"; fi' >>
~/.bash_profile
# Install a different version of swift.
# Check the version with the package you want to use.
# Or paste the URL of .pkg file from the swift.org
# "DEVELOPMENT-SNAPSHOT-2016-05-03-a" here for example
$ swiftenv install DEVELOPMENT-SNAPSHOT-2016-05-03-a
...
$ swiftenv versions
  DEVELOPMENT-SNAPSHOT-2016-05-03-a
* 2.2 (set by /Users/sodas/.swiftenv/version)
```

Use Swift 3.0 with Xcode



Welcome to Xcode

Version 7.3 (7D175)

Swift Development Snapshot 2016-05-03 (a) Toolchain [ⓘ](#)

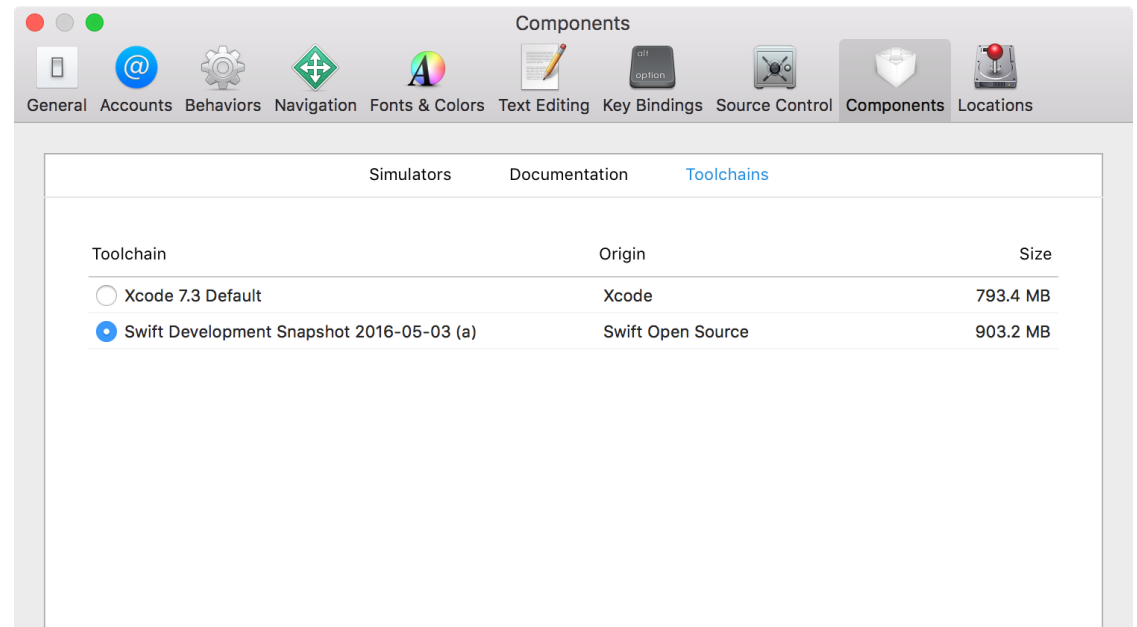


Get started with a playground

Explore new ideas quickly and easily.



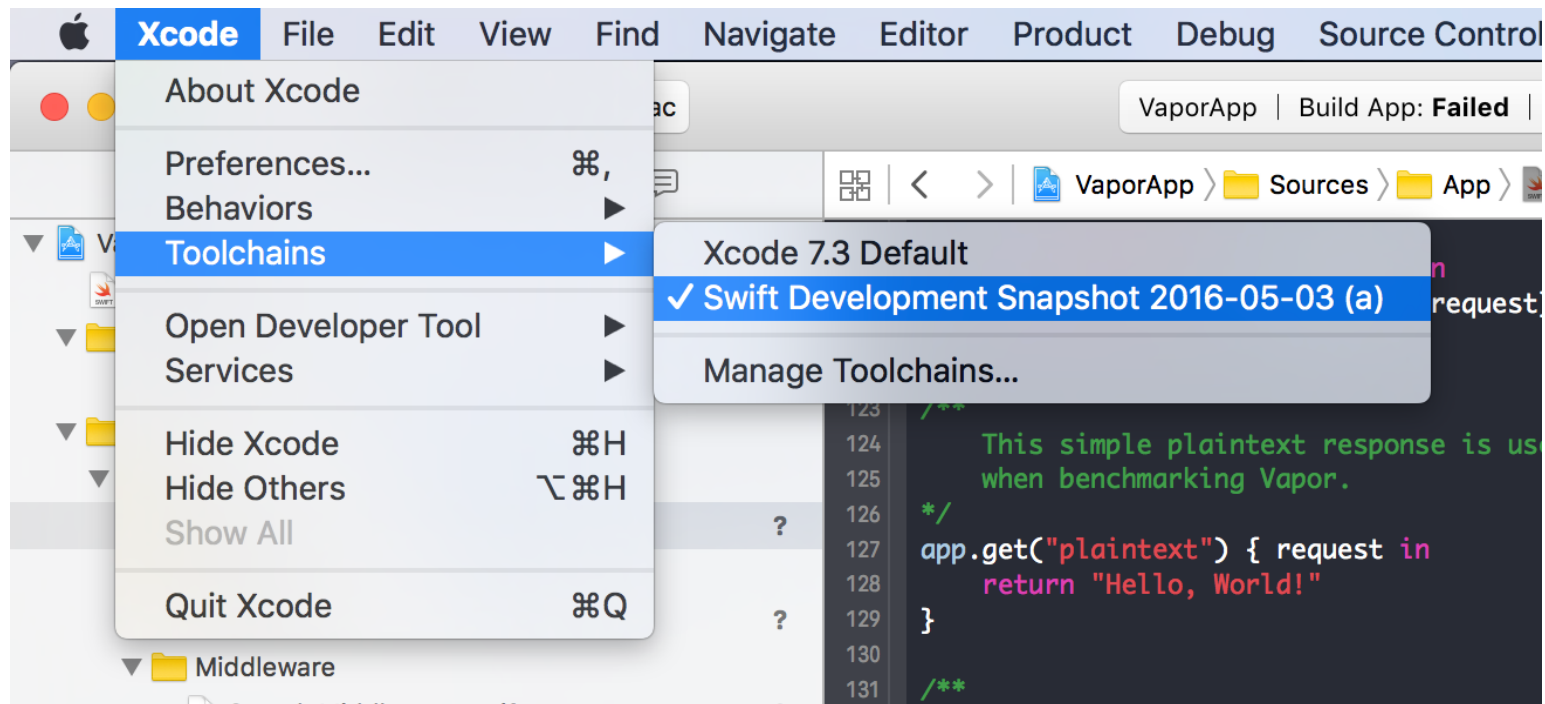
Create a new Xcode project



Change back to default for AppStore build.

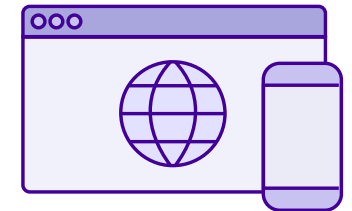
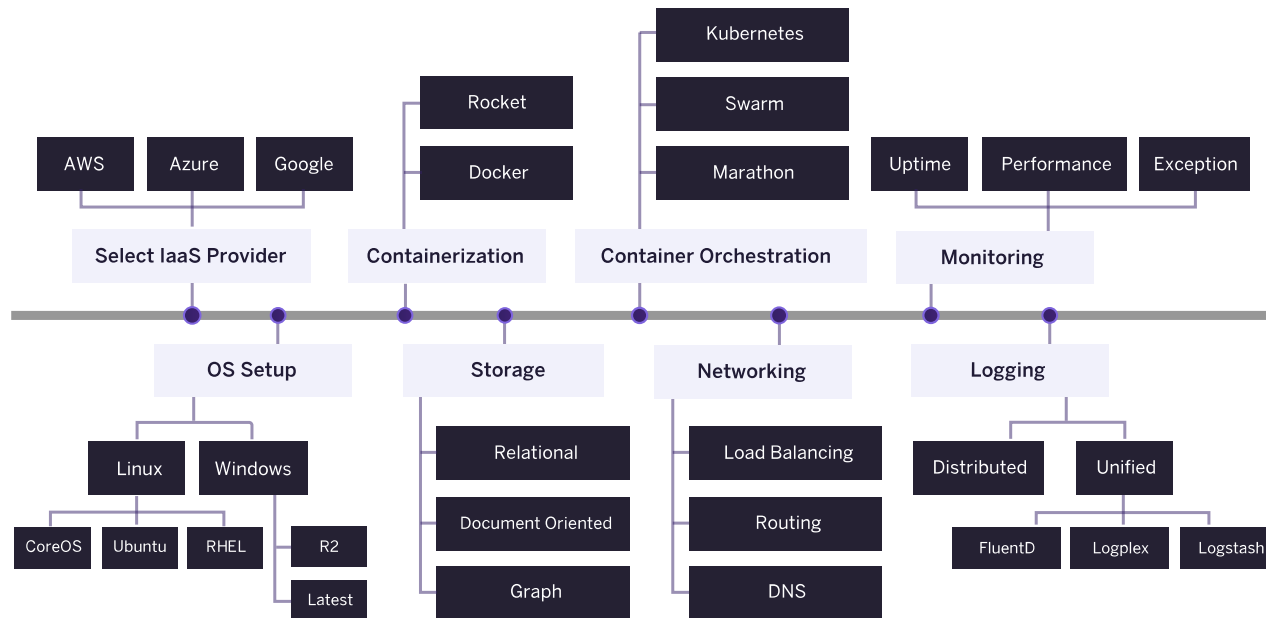
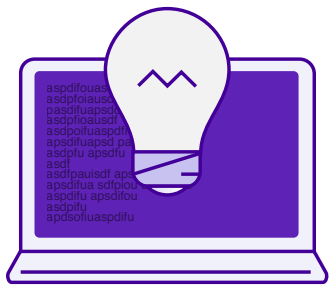
Swift 3.0 and the “swiftenv”

Use Swift 3.0 with Xcode



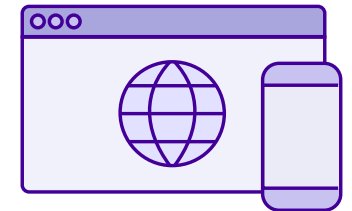
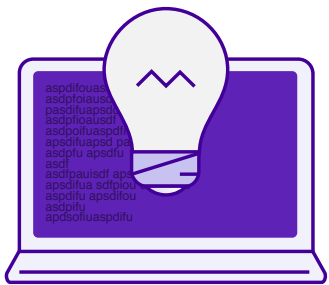
Swift 3.0 and the “swiftenv”

a PaaS provider from *Salesforce*



Deploy sever-side app with IaaS solutions

Image Credits: <https://www.heroku.com>



Deploy sever-side app with Heroku

Image Credits: <https://www.heroku.com>



Supported languages of Heroku

Image Credits: <https://www.heroku.com>

Heroku Platform

Dyno

A lightweight Linux container that runs a single command in its environment or in your app's slug.

Buildpacks

When the Heroku platform receives the application source, it initiates a build of the source application and assembles them into a slug.

Slug

A slug is a bundle of your source, fetched dependencies, the language runtime, and compiled/generated output of the build system - ready for execution.

Git deployment

The Heroku platform uses git as the primary means for deploying applications.

Heroku Platform

Heroku Add-ons

Heroku add-ons are components, services, or pieces of infrastructure that are fully maintained for you, either by a third-party provider or by Heroku.

Heroku Postgres

the SQL database service run by Heroku that is provisioned and managed as an add-on.

Heroku Redis

An in-memory key-value data store, run by Heroku, that is provisioned and managed as an add-on.

