AlmaLinux on apple/container

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apple/container

- https://github.com/apple/container

- Apple 公式の Linux コンテナを動作させるためのツール

インストール

- https://github.com/apple/container/releases からインストーラをダウンロードして macOS にインストール → `container` コマンドが使用できるようになる

- https://github.com/apple/container/blob/main/docs/tutorial.md を参考に進めていく
- コンテナを動作させるための Linux Kernel をインストールして container サービスを動作させる

```
% container system start
Verifying apiserver is running...
Installing base container filesystem...
No default kernel configured.
Install the recommended default kernel from [https://github.com/kata-containers/kata-
containers/releases/download/3.17.0/kata-static-3.17.0-arm64.tar.xz]? [Y/n]: y
Installing kernel...
```
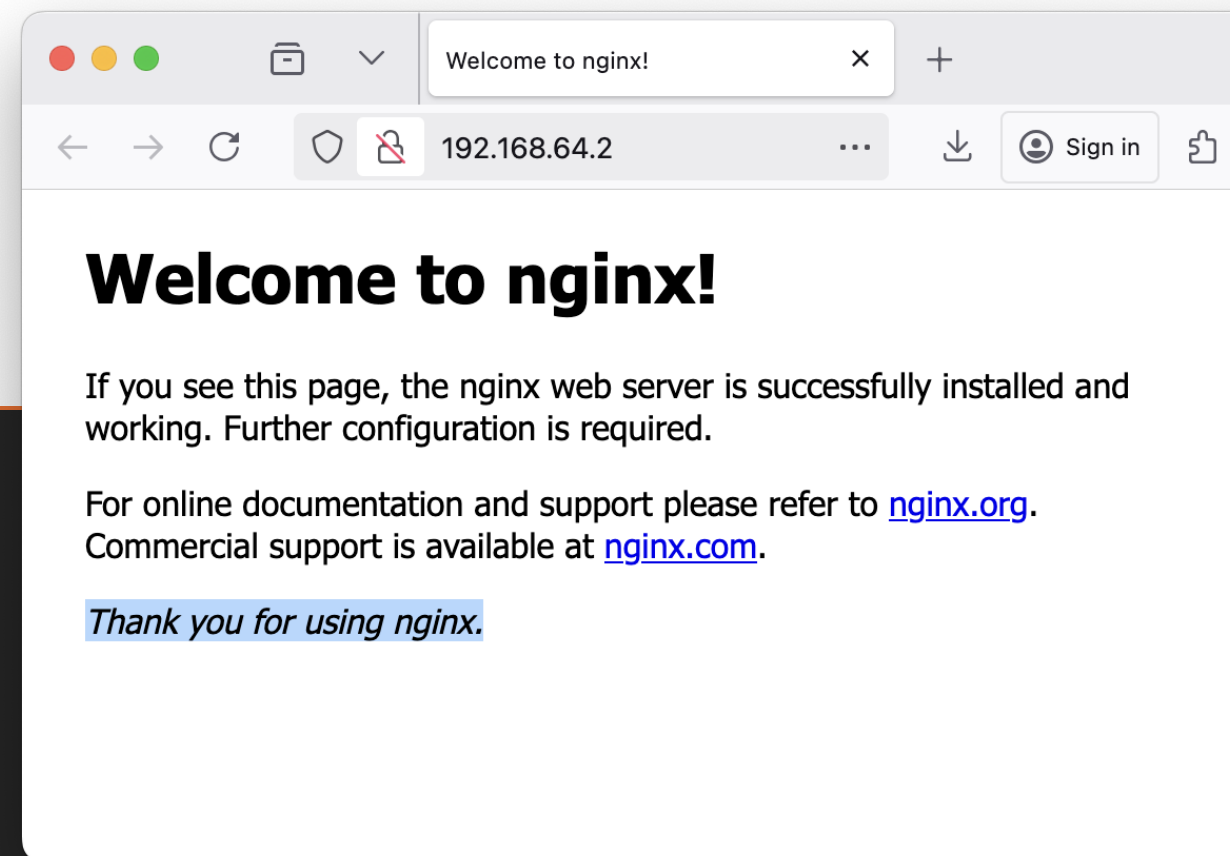
```
% container image pull nginx

# デフォルトのレジストラは docker.io に向いている
% container image inspect nginx | jq -r '.[].name'
docker.io/library/nginx:latest

% container run --name httpd --detach --rm httpd

% container ls
ID      IMAGE                             OS      ARCH    STATE     ADDR
httpd   docker.io/library/httpd:latest    linux   arm64   running   192.168.64.2

% open http://192.168.64.2
```

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org. Commercial support is available at nginx.com.

Thank you for using nginx.
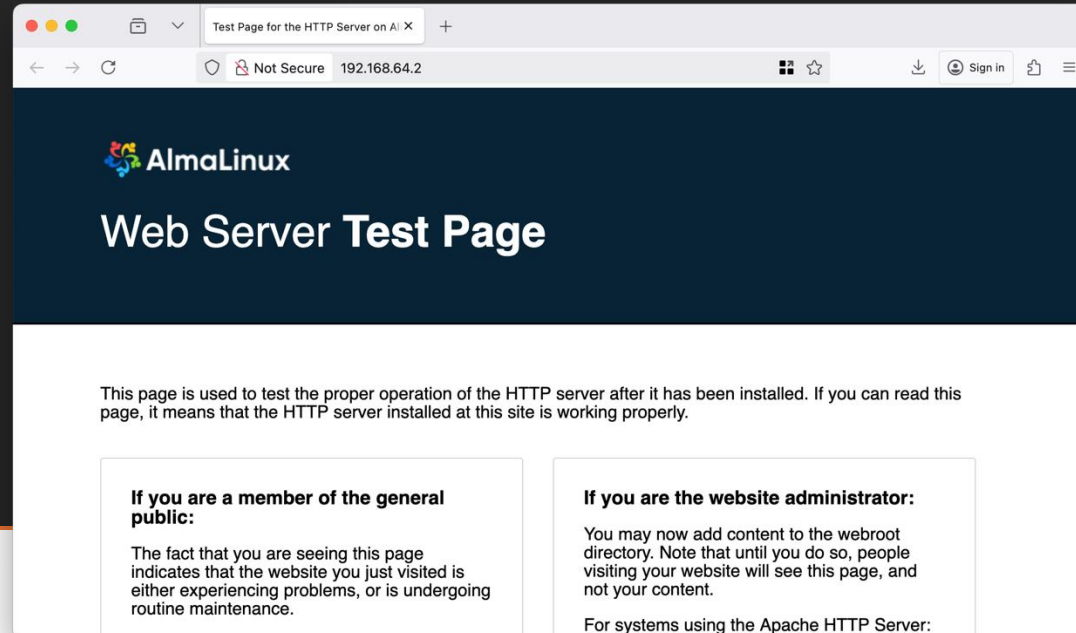
```
% container image pull ghcr.io/almalinux/10-base

% container images ls
NAME                       TAG      DIGEST
ghcr.io/almalinux/10-base  latest   85822230a37cc2e939559beb...

% container image inspect ghcr.io/almalinux/10-base | jq -r '.[].name'
ghcr.io/almalinux/10-base:latest

% container run --name al10 -it --rm ghcr.io/almalinux/10-base /bin/bash
# dnf install -y nginx
# nginx -g 'daemon off;'
```



```
# rpm -qi nginx
Name         : nginx
Epoch        : 2
Version      : 1.26.3
Release      : 1.el10
Architecture: aarch64
Install Date: Wed Jun 11 08:48:42 2025
Group        : Unspecified
Size         : 122717
License      : BSD-2-Clause
Signature    : RSA/SHA256, Wed Mar 26
08:20:41 2025, Key ID dee5c11cc2a1e572
Source RPM   : nginx-1.26.3-1.el10.src.rpm
Build Date   : Tue Mar 25 16:28:16 2025
Build Host   : arm-builder01.almalinux.org
Packager     : AlmaLinux Packaging Team
<packager@almalinux.org>
Vendor       : AlmaLinux
URL          : https://nginx.org
Summary      : A high performance web server
and reverse proxy server
Description :
Nginx is a web server and a reverse proxy
server for HTTP, SMTP, POP3 and
IMAP protocols, with a strong focus on high
concurrency, performance and low
memory usage.
```