

An Ansible role for creating and deploying a SSL infrastructure

#openssl #ansible #ansible-role #tls #tls-certificate #ssl #ssl-certificate

48 commits

1 branch

0 releases

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 dggreenbaum Merge pull request #1 from issmirnov/patch-1 ...

defaults

Support IP SANs.

files

Implemented CA and intermediate cert generation.

meta

Advertise MacOS support

tasks

Going to great lengths to not become in travis while becoming for Deb...

templates

Fix hardcoded "ca" path in ssl config.

tests

Overriding openssl\_pki\_certs\_server\_root\_dir for travis.

.travis.yml

Do not become in travis

README.md

Support IP SANs.

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https://github.com/dggreenbaum/openssl-pl

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README.md

# OpenSSL PKI

role dggreenbaum.openssl-pki

build passing

This role sets up a root certificate authority (CA), an intermediate CA, and an arbitrary number SSL/TLS keys and certificates signed by the intermediate CA.

## Requirements

Requires a Unix like operating system. (Linux/OSX) The latest Debian/Ubuntu and MacOS are supported.

This role will attempt to install the openssl package or equivalent for your operating system. If your operating system does not have an openssl package (EG Windows) this role won't work.

## Role Variables

CA Location	Default
openssl_pki_certs_ca_root_dir	"{{ ansible_env.HOME }}/ca"
openssl_pki_certs_server_root_dir	"/srv/keys"

CA Names	Default
openssl_pki_ca_name	"ca"
openssl_pki_intermediate_ca_name	"intermediate"

Cert Fields	Default
openssl_pki_country	"US"
openssl_pki_locality	"Phoenix"
openssl_pki_organization	"Example\ LLC"
openssl_pki_state	"Arizona"

CA Common Names	Default
openssl_pki_ca_common_name	"Example\ LLC\ Certificate\ Authority"
openssl_pki_intermediate_common_name	"Example\ LLC\ Intermediate\ Certificate\ Authority"

Server Common Name	Default
openssl_pki_server_common_name	"{{ inventory_hostname }}"

Server Alternative Names	Default
openssl_pki_server_alternative_names	"[{{ ansible_hostname }}]"
openssl_pki_server_alternative_ips	"[{{ ansible_all_ipv4_addresses }}]"

Cert lifespan	Default
openssl_pki_server_cert_days	"365"
openssl_pki_intermediate_cert_days	"3650"
openssl_pki_ca_days	"7300"

Hashing method	Default
openssl_pki_hash_type	"sha256"

File modes	Default
openssl_pki_private_dir_mode	"0700"
openssl_pki_ca_key_mode	"0400"
openssl_pki_ca_cert_mode	"0444"
openssl_pki_intermediate_key_mode	"0400"
openssl_pki_intermediate_cert_mode	"0444"
openssl_pki_intermediate_chain_mode	"0444"
openssl_pki_server_key_mode	"0444"
openssl_pki_server_cert_mode	"0444"

Key Strength	Default
opsnssl_pki_ca_key_strength	"4096"
opsnssl_pki_intermediate_key_strength	"4096"
opsnssl_pki_server_key_strength	"2048"

## Dependencies

This role should not have any role dependencies.

## Example Playbook

banana banana banana

## License

BSD

