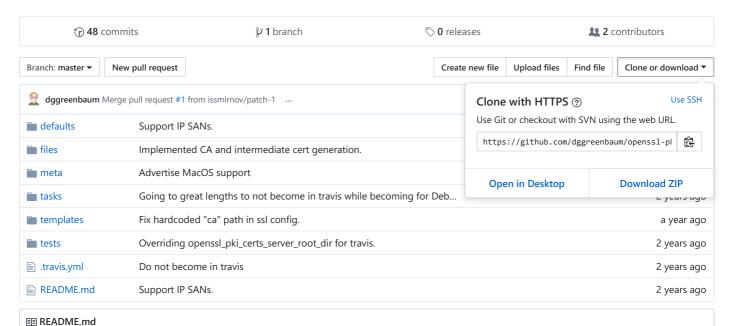
dggreenbaum / openssl-pki

An Ansible role for creating and deploying a SSL infrastructure

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



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