

CryptoEngine

pk_ctx_ : mbedtls_pk_context

- mbedtls_pers_ : const char*

- cert_subject_base_ : const std::string

- secure_element_ : SecureElement*

- pk_info_ : mbedtls_pk_info_t

- ec_p_keypair_ : mbedtls_ec_p_keypair

- rsa_keypair_ : mbedtls_rsa_context

- entropy_ctx_ : mbedtls_entropy_context

- ctrdrbg_ctx_ : mbedtls_ctr_drbg_context

+ CryptoEngine(void)

+ CryptoEngine(SecureElement* se)

+ X509IssuerInfo(char*, size_t, const mbedtls_x509 crt*) : bool

+ GenericSHA256Generator(std::string) : static std::string

GetClientCertificate(void) : csr_sign_resp

- GenerateKeyPair(void) : bool

- GenerateCertificateSigningRequest(void) : std::string

- GetCertificateSubjectName(void) : std::string

- SignCertificateSigningRequest(std::string) : virtual csr_sign_resp

DecadaManager

- decada_product_key_ : const std::string

- decada_access_key_ : const std::string

- decada_access_secret_ : const std::string

- decada_ou_id_ : const std::string

- api_url_ : const std::string

- broker_ip_ : const std::string

- mqtt_server_port_ : const int

- decada_secret_ : std::string

- network_ : NetworkInterface*

- mqtt_network_ : MQTTNetwork*

- mqtt_network_ptr_ : MQTTNetwork**

- mqtt_client_ : MQTT::Client<MQTTNetwork, Countdown>*

- mqtt_client_ptr_ : MQTT::Client<MQTTNetwork, Countdown>**

- stack_ : mqtt_stack

- sub_topics_ : std::unordered_set<std::string>

+ DecadaManager(NetworkInterface*&)

+ DecadaManager(NetworkInterface*&, SecureElement*)

+ CheckDeviceCreation(void) : std::string

+ Connect(void) : bool

+ Publish(const char*, std::string) : bool

+ Subscribe(const char*) : bool

+ Reconnect(void) : bool

+ RenewCertificate(void) : bool

+ GetMqttStackPointer(void) : mqtt_stack*

- SignCertificateSigningRequest(std::string) override : csr_sign_resp

- CheckCredentials(void) : bool

- GetAccessToken(void) : std::string

- GetDeviceSecret(void) : std::string

- CreateDeviceInDecada(const std::string) : std::string

- RenewClientCertificate(void) : csr_sign_resp

- ConnectMqttNetwork(void) : bool

- ConnectMqttClient(void) : bool

- DisconnectMqttNetwork(void) : void

- DisconnectMqttClient(void) : void

- ReconnectMqttNetwork(void) : bool

- ReconnectMqttClient(void) : bool

- ReconnectMqttService(void) : bool

- CheckCredentials(void) : bool

