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 ecp_keypair_ : mbedtls_ecp_keypair rsa_keypair_ : mbedtls_rsa_context entrophy_ctx_ : mbedtls_entrophy_context - ctrdbrbg_ctx_ : mbedtls_ctr_dbrg_context + CryptoEngine(void) + 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 inherits 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 : mgtt stack - sub_topics_ : std::unordered_set<std::string> + 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