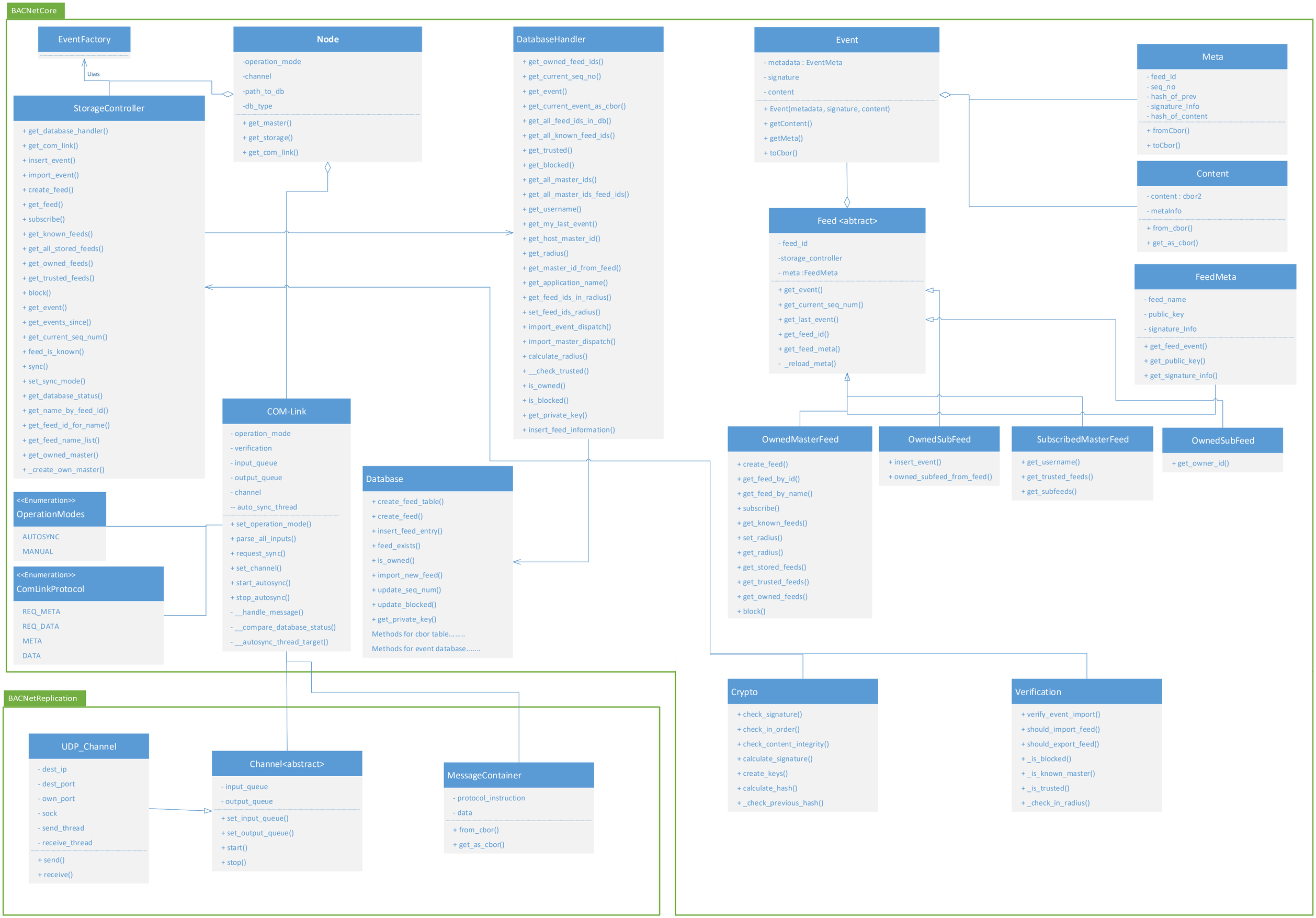
BACNetCore
EventFactory
Uses
StorageController
+ get_database_handler()
+ get_com_link()
+ insert_event()
+ import_event()
+ create_feed()
+ get_feed()
+ subscribe()
+ get_known_feeds()
+ get_all_stored_feeds()
+ get_owned_feeds()
+ get_trusted_feeds()
+ block()
+ get_event()
+ get_events_since()
+ get_current_seq_num()
+ feed_is_known()
+ sync()
+ set_sync_mode()
+ get_database_status()
+ get_name_by_feed_id()
+ get_feed_id_for_name()
+ get_feed_name_list()
+ get_owned_master()
+ _create_own_master()
Node
-operation_mode
-channel
-path_to_db
-db_type
+ get_master()
+ get_storage()
+ get_com_link()
DatabaseHandler
+ get_owned_feed_ids()
+ get_current_seq_no()
+ get_event()
+ get_current_event_as_cbor()
+ get_all_feed_ids_in_db()
+ get_all_known_feed_ids()
+ get_trusted()
+ get_blocked()
+ get_all_master_ids()
+ get_all_master_ids_feed_ids()
+ get_username()
+ get_my_last_event()
+ get_host_master_id()
+ get_radius()
+ get_master_id_from_feed()
+ get_application_name()
+ get_feed_ids_in_radius()
+ set_feed_ids_radius()
+ import_event_dispatch()
+ import_master_dispatch()
+ calculate_radius()
+ __check_trusted()
+ is_owned()
+ is_blocked()
+ get_private_key()
+ insert_feed_information()
Event
- metadata : EventMeta
- signature
- content
+ Event(metadata, signature, content)
+ getContent()
+ getMeta()
+ toCbor()
Meta
- feed_id
- seq_no
- hash_of_prev
- signature_Info
- hash_of_content
+ fromCbor()
+ toCbor()
Content
- content : cbor2
- metaInfo
+ from_cbor()
+ get_as_cbor()
Feed <abtract>
- feed_id
-storage_controller
- meta :FeedMeta
+ get_event()
+ get_current_seq_num()
+ get_last_event()
+ get_feed_id()
+ get_feed_meta()
- _reload_meta()
FeedMeta
- feed_name
- public_key
- signature_Info
+ get_feed_event()
+ get_public_key()
+ get_signature_info()
COM-Link
- operation_mode
- verification
- input_queue
- output_queue
- channel
-- auto_sync_thread
+ set_operation_mode()
+ parse_all_inputs()
+ request_sync()
+ set_channel()
+ start_autosync()
+ stop_autosync()
- __handle_message()
- __compare_database_status()
- __autosync_thread_target()
Database
+ create_feed_table()
+ create_feed()
+ insert_feed_entry()
+ feed_exists()
+ is_owned()
+ import_new_feed()
+ update_seq_num()
+ update_blocked()
+ get_private_key()
Methods for cbor table.....
Methods for event database.....
<<Enumeration>>
OperationModes
AUTOSYNC
MANUAL
<<Enumeration>>
ComLinkProtocol
REQ_META
REQ_DATA
META
DATA
OwnedMasterFeed
+ create_feed()
+ get_feed_by_id()
+ get_feed_by_name()
+ subscribe()
+ get_known_feeds()
+ set_radius()
+ get_radius()
+ get_stored_feeds()
+ get_trusted_feeds()
+ get_owned_feeds()
+ block()
OwnedSubFeed
+ insert_event()
+ owned_subfeed_from_feed()
SubscribedMasterFeed
+ get_username()
+ get_trusted_feeds()
+ get_subfeeds()
OwnedSubFeed
+ get_owner_id()
Crypto
+ check_signature()
+ check_in_order()
+ check_content_integrity()
+ calculate_signature()
+ create_keys()
+ calculate_hash()
+ _check_previous_hash()
Verification
+ verify_event_import()
+ should_import_feed()
+ should_export_feed()
+ _is_blocked()
+ _is_known_master()
+ _is_trusted()
+ _check_in_radius()
BACNetReplication
UDP_Channel
- dest_ip
- dest_port
- own_port
- sock
- send_thread
- receive_thread
+ send()
+ receive()
Channel<abstract>
- input_queue
- output_queue
+ set_input_queue()
+ set_output_queue()
+ start()
+ stop()
MessageContainer
- protocol_instruction
- data
+ from_cbor()
+ get_as_cbor()