MongoDB Physical Model

Schema for:

Model name: Athena
Author: Azwar Akbar
Version: 1
File name: MongoDB model New Model.hck.json
File path: /Users/azwar/Downloads/MongoDB model New Model.hck.json
Printed On: Mon Apr 08 2024 19:22:15 GMT+0700 (Western Indonesia Time)
Created with: Hackolade - Polyglot data modeling for NoSQL databases, storage formats, REST APIs, and JSON in RDBMS

1. MODEL

1.1 Model Athena

1.1.1 Athena Entity Relationship Diagram

AthenaDB

Client

id	pk	old
name		str
owner	fk	old
created_at		date
updated_at		date
is_active		bool
⊟ workspace		arr
[0]	fk	old

Workspace

id	pk, dk	old
name		str
description		str
creator	fk	old
created_at		date
updated_at		date

User

id	pk, dk	old
first_name		str
last_name		str
email		str
password		str
profile_pic		str
is_active		bool
created_at		date
updated_at		date

Project

id	pk, dk	old
workspace_id	fk	old
name		str
code		str
description		str
creator	fk	old
epic_id		str
created_at		date
updated_at		date
⊟ project_member		arr
[0]	fk	old

Milestone

id	pk	old
project_id	fk	old
name		str
description		str
attachment		str
status		str
creator	fk	old
assignee	fk	old
reporter	fk	old
story_point		num
created_at		date
updated_at		date
⊟ comments		arr
⊟ [0]		doc
author	fk	old
message		str
created_at		date
updated_at		date
is_deleted		bool

1.1.2 Athena Properties

1.1.2.1 Details tab

PROPERTY	VALUE
Model name	Athena
Technical name	Athena NoSQL Database
Description	Athena NoSQL Database Diagram
Author	Azwar Akbar
Version	1
Target	MongoDB
DB version	v7.x
Synchronization Id	
Lineage capture	
Polyglot models	
Comments	

1.1.2.2 Options tab

PROPERTY	VALUE
Color	

1.1.3 Athena DB Definitions

2. DATABASES

2.1 Database AthenaDB
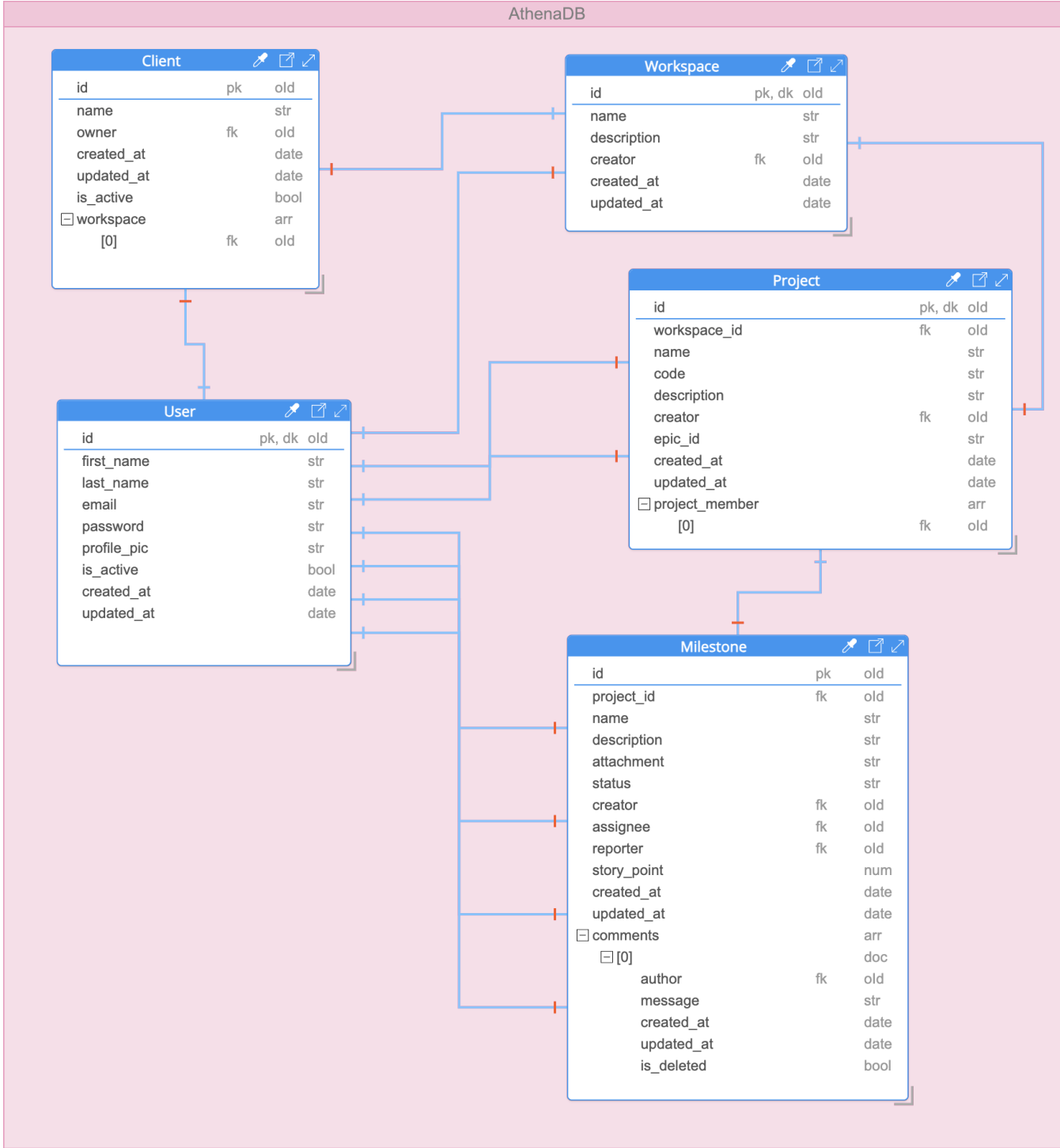
2.1.1 AthenaDB Properties

PROPERTY	VALUE
Database name	AthenaDB
Technical name	athena_db
Activated	true
Enable sharding	
Description	
Comments	

2.1.2 AthenaDB Collections

2.1.2.1 Collection Client

2.1.2.1.1 Client Tree Diagram
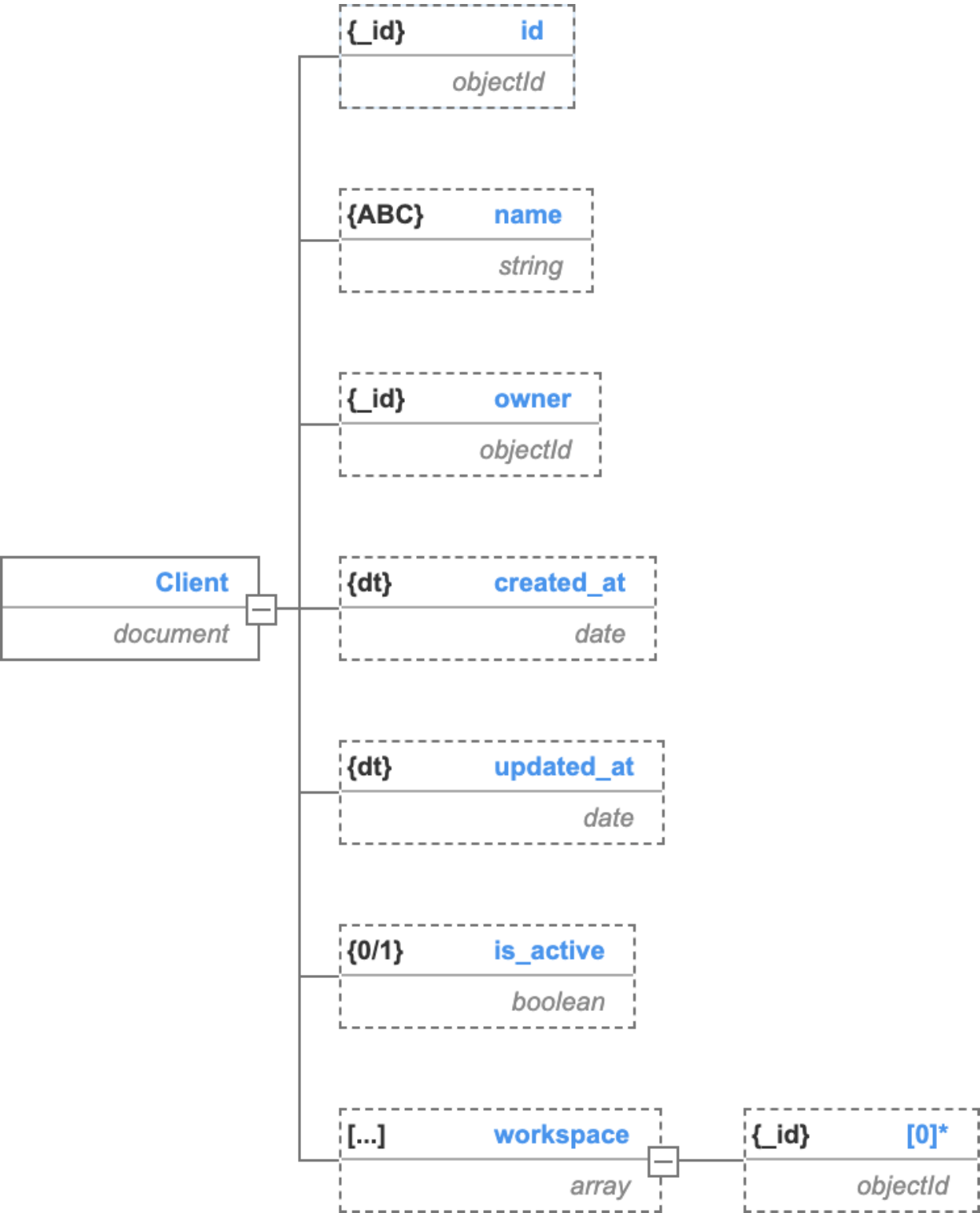
2.1.2.1.2 Client Properties

PROPERTY	VALUE
Collection name	Client
Technical name	
Activated	true
Id	
$ref	
Description	
Database	AthenaDB
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Encryption metadata	
Additional properties	false
Workload analysis	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Comments	

2.1.2.1.3 Client Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
id	objectId	false	pk		
name	string	false			
owner	objectId	false	fk		
created_at	date	false			
updated_at	date	false			
is_active	boolean	false			
workspace	array	false			
[0]	objectId	false	fk		

2.1.2.1.3.1 Field id

2.1.2.1.3.1.1 id Tree Diagram

2.1.2.1.3.1.2 id properties

PROPERTY	VALUE
Name	id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.1.3.2 Field name

2.1.2.1.3.2.1 name Tree Diagram

2.1.2.1.3.2.2 name properties

PROPERTY	VALUE
Name	name
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.3.3 Field owner

2.1.2.1.3.3.1 owner Tree Diagram

2.1.2.1.3.3.2 owner properties

PROPERTY	VALUE
Name	owner
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	User
Foreign field	id
Relationship type	Foreign Key
Relationship name	fk Client.owner to User.id
Cardinality	1
Default	
Sample	
Comments	

2.1.2.1.3.4 Field created_at

2.1.2.1.3.4.1 created_at Tree Diagram

2.1.2.1.3.4.2 created_at properties

PROPERTY	VALUE
Name	created_at
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.1.3.5 Field updated_at

2.1.2.1.3.5.1 updated_at Tree Diagram

2.1.2.1.3.5.2 updated_at properties

PROPERTY	VALUE
Name	updated_at
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.1.3.6 Field is_active

2.1.2.1.3.6.1 is_active Tree Diagram

2.1.2.1.3.6.2 is_active properties

PROPERTY	VALUE
Name	is_active
Technical name	
Activated	true
Id	
Field-level encryption	
Type	boolean
Description	
Dependencies	
Required	
Primary key	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.1.3.7 Field workspace

2.1.2.1.3.7.1 workspace Tree Diagram
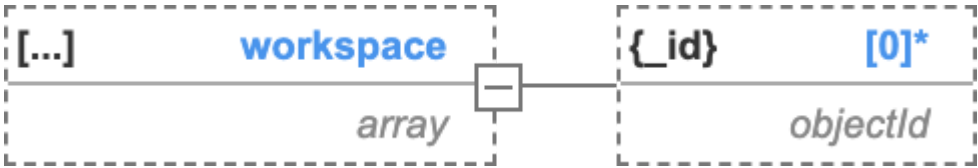
2.1.2.1.3.7.2 workspace Hierarchy

Parent field: **Client**
Child field(s):

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	objectId	false			

2.1.2.1.3.7.3 workspace properties

PROPERTY	VALUE
Name	workspace
Technical name	
Activated	true
Id	
Field-level encryption	
Type	array
Description	
Dependencies	
Required	
Primary key	
Foreign collection	Workspace
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min items	
Max items	2
Unique items	
Additional items	true
Quantification	
Comments	

2.1.2.1.3.8 Field [0]

2.1.2.1.3.8.1 [0] Tree Diagram

{_id}   [0]*

    objectId

2.1.2.1.3.8.2 [0] properties

PROPERTY	VALUE
Display name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Primary key	
Foreign collection	Workspace
Foreign field	id
Relationship type	Foreign Key
Relationship name	fk Client.workspace.[0] to Workspace.id
Cardinality	1
Default	
Sample	
Comments	

2.1.2.1.4 Client JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "Client",
    "properties": {
        "id": {
            "type": "string",
            "pattern": "^[a-fA-F0-9]{24}$"
        },
        "name": {
            "type": "string"
        },
        "owner": {
            "type": "string",
            "pattern": "^[a-fA-F0-9]{24}$"
        },
        "created_at": {
            "type": "string",
            "format": "date"
        },
        "updated_at": {
            "type": "string",
            "format": "date"
        },
        "is_active": {
            "type": "boolean"
        },
        "workspace": {
            "type": "array",
            "additionalItems": true,
            "maxItems": 2,
            "items": {
                "type": "string",
                "pattern": "^[a-fA-F0-9]{24}$"
            }
        }
    },
    "additionalProperties": false
}
```

2.1.2.1.5 Client JSON data

```
{
    "id": ObjectId("8731f6a6eedbd939d562e628"),
    "name": "Lorem",
    "owner": ObjectId("fb8a6efce2368ad1ec75fb98"),
    "created_at": ISODate("2016-04-08T15:06:21.595Z"),
    "updated_at": ISODate("2016-04-08T15:06:21.595Z"),
    "is_active": true,
    "workspace": [
        ObjectId("d403847c5fccdf32fae6cd38")
    ]
}
```

2.1.2.1.6 Client Target Script
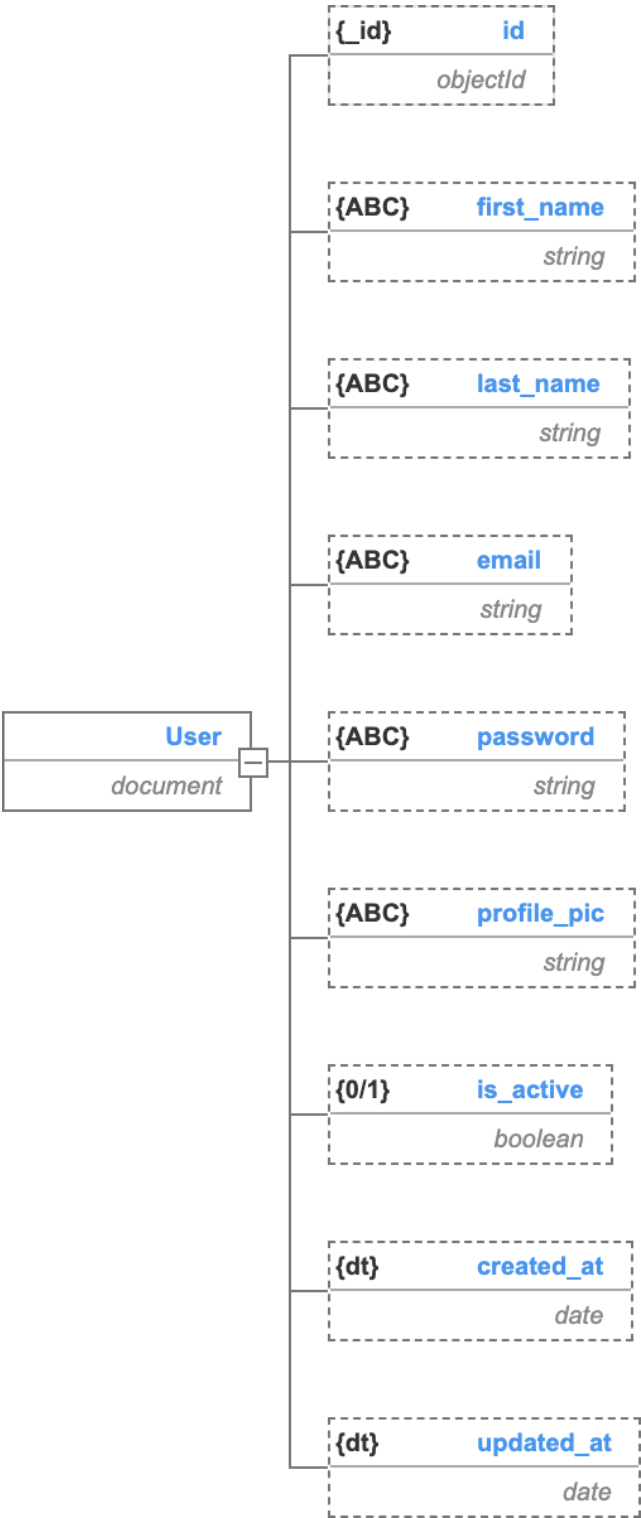
```
use athena_db;

db.createCollection("Client", {
    "capped": false,
    "validator": {
        "$jsonSchema": {
            "bsonType": "object",
            "title": "Client",
            "properties": {
                "_id": {
                    "bsonType": "objectId"
                },
                "id": {
                    "bsonType": "objectId"
                },
                "name": {
                    "bsonType": "string"
                },
                "owner": {
                    "bsonType": "objectId"
                },
                "created_at": {
                    "bsonType": "date"
                },
                "updated_at": {
                    "bsonType": "date"
                },
                "is_active": {
                    "bsonType": "bool"
                },
                "workspace": {
                    "bsonType": "array",
                    "additionalItems": true,
                    "maxItems": 2,
                    "items": {
                        "bsonType": "objectId"
                    }
                }
            },
            "additionalProperties": false
        }
    },
    "validationLevel": "off",
    "validationAction": "warn"
});
```

2.1.2.2 Collection User

2.1.2.2.1 User Tree Diagram

{_id}	id
	objectId

{ABC}	first_name
	string

{ABC}	last_name
	string

{ABC}	email
	string

User		{ABC}	password
document			*string*

{ABC}	profile_pic
	string

{0/1}	is_active
	boolean

{dt}	created_at
	date

{dt}	updated_at
	date

2.1.2.2.2 User Properties

PROPERTY	VALUE
Collection name	User
Technical name	
Activated	true
Id	
$ref	
Description	
Database	AthenaDB
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Encryption metadata	
Additional properties	false
Workload analysis	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Comments	

2.1.2.2.3 User Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
id	objectId	false	pk, dk		
first_name	string	false			
last_name	string	false			
email	string	false			
password	string	false			
profile_pic	string	false			
is_active	boolean	false			
created_at	date	false			
updated_at	date	false			

2.1.2.2.3.1 Field id

2.1.2.2.3.1.1 id Tree Diagram

2.1.2.2.3.1.2 id properties

PROPERTY	VALUE
Name	id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.2.3.2 Field first_name

2.1.2.2.3.2.1 first_name Tree Diagram

2.1.2.2.3.2.2 first_name properties

PROPERTY	VALUE
Name	first_name
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.2.3.3 Field last_name

2.1.2.2.3.3.1 last_name Tree Diagram

2.1.2.2.3.3.2 last_name properties

PROPERTY	VALUE
Name	last_name
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.2.3.4 Field email

2.1.2.2.3.4.1 email Tree Diagram

2.1.2.2.3.4.2 email properties

PROPERTY	VALUE
Name	email
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.2.3.5 Field password

2.1.2.2.3.5.1 password Tree Diagram

2.1.2.2.3.5.2 password properties

PROPERTY	VALUE
Name	password
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.2.3.6 Field profile_pic

2.1.2.2.3.6.1 profile_pic Tree Diagram

{ABC}   profile_pic
        string

2.1.2.2.3.6.2 profile_pic properties

PROPERTY	VALUE
Name	profile_pic
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.2.3.7 Field is_active

2.1.2.2.3.7.1 is_active Tree Diagram

```
{0/1}        is_active

             boolean
```

2.1.2.2.3.7.2 is_active properties

PROPERTY	VALUE
Name	is_active
Technical name	
Activated	true
Id	
Field-level encryption	
Type	boolean
Description	
Dependencies	
Required	
Primary key	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.2.3.8 Field created_at

2.1.2.2.3.8.1 created_at Tree Diagram

2.1.2.2.3.8.2 created_at properties

PROPERTY	VALUE
Name	created_at
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.2.3.9 Field updated_at

2.1.2.2.3.9.1 updated_at Tree Diagram

{dt}   updated_at

date

2.1.2.2.3.9.2 updated_at properties

PROPERTY	VALUE
Name	updated_at
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.2.4 User JSON Schema

```json
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "User",
    "properties": {
        "id": {
            "type": "string",
            "pattern": "^[a-fA-F0-9]{24}$"
        },
        "first_name": {
            "type": "string"
        },
        "last_name": {
            "type": "string"
        },
        "email": {
            "type": "string"
        },
        "password": {
            "type": "string"
        },
        "profile_pic": {
            "type": "string"
        },
        "is_active": {
            "type": "boolean"
        },
        "created_at": {
            "type": "string",
            "format": "date"
        },
        "updated_at": {
            "type": "string",
            "format": "date"
        }
    },
    "additionalProperties": false
}
```

2.1.2.2.5 User JSON data

```json
{
    "id": ObjectId("4d47eedbd2fad2ec315acd4b"),
    "first_name": "Lorem",
    "last_name": "Lorem",
    "email": "Lorem",
    "password": "Lorem",
    "profile_pic": "Lorem",
    "is_active": true,
    "created_at": ISODate("2016-04-08T15:06:21.595Z"),
    "updated_at": ISODate("2016-04-08T15:06:21.595Z")
}
```

2.1.2.2.6 User Target Script

```
use athena_db;

db.createCollection("User", {
    "capped": false,
    "validator": {
        "$jsonSchema": {
            "bsonType": "object",
            "title": "User",
            "properties": {
                "_id": {
                    "bsonType": "objectId"
                },
                "id": {
                    "bsonType": "objectId"
                },
                "first_name": {
                    "bsonType": "string"
                },
                "last_name": {
                    "bsonType": "string"
                },
                "email": {
                    "bsonType": "string"
                },
                "password": {
                    "bsonType": "string"
                },
                "profile_pic": {
                    "bsonType": "string"
                },
                "is_active": {
                    "bsonType": "bool"
                },
                "created_at": {
                    "bsonType": "date"
                },
                "updated_at": {
                    "bsonType": "date"
                }
            },
            "additionalProperties": false
        }
    },
    "validationLevel": "off",
    "validationAction": "warn"
});
```

2.1.2.3 Collection Workspace

2.1.2.3.1 Workspace Tree Diagram
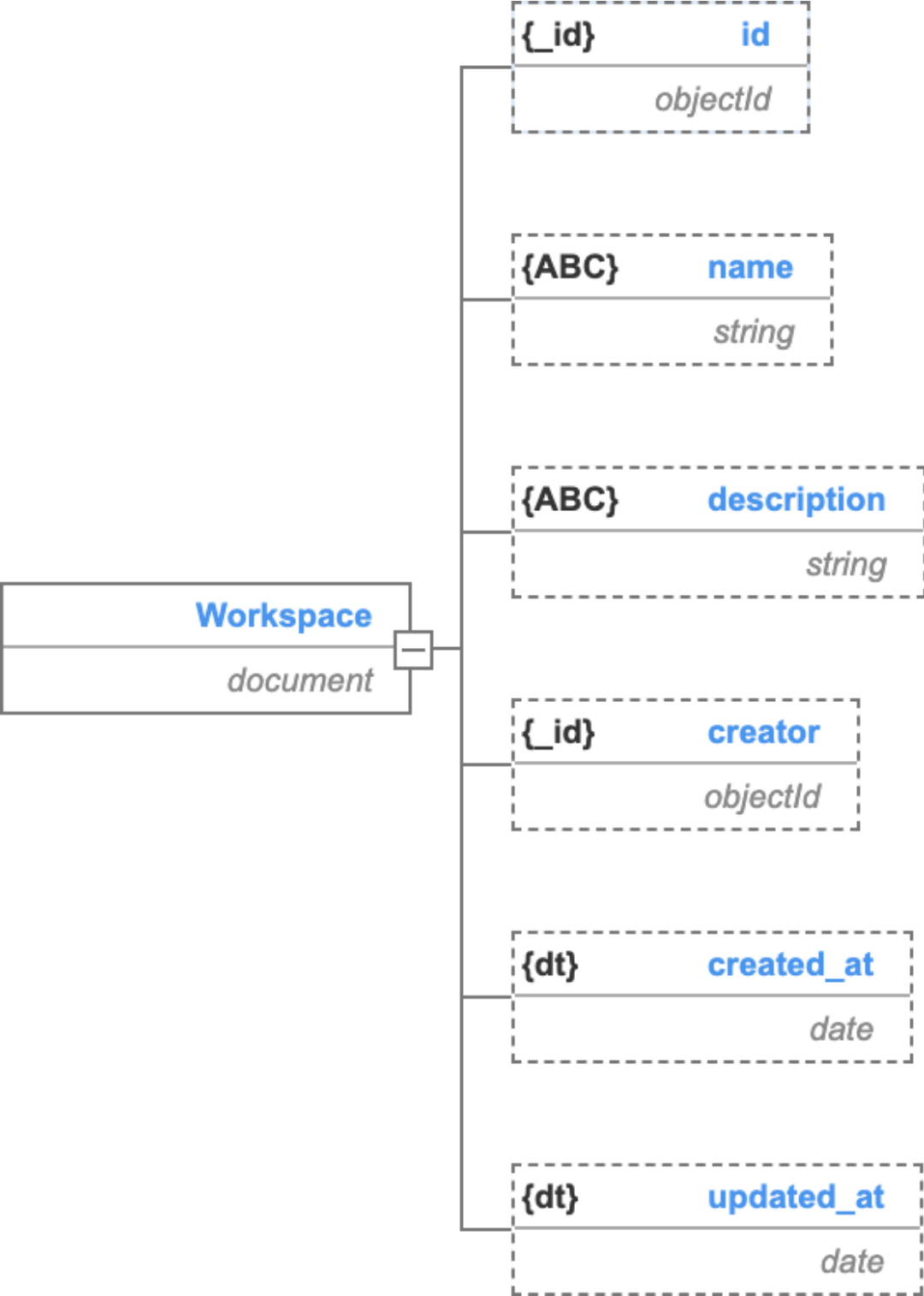
2.1.2.3.2 Workspace Properties

PROPERTY	VALUE
Collection name	Workspace
Technical name	
Activated	true
Id	
$ref	
Description	
Database	AthenaDB
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Encryption metadata	
Additional properties	false
Workload analysis	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Comments	

2.1.2.3.3 Workspace Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
id	objectId	false	pk, dk		
name	string	false			
description	string	false			
creator	objectId	false	fk		
created_at	date	false			
updated_at	date	false			

2.1.2.3.3.1 Field id

2.1.2.3.3.1.1 id Tree Diagram

2.1.2.3.3.1.2 id properties

PROPERTY	VALUE
Name	id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.3.3.2 Field name

2.1.2.3.3.2.1 name Tree Diagram

{ABC}   name
         string

2.1.2.3.3.2.2 name properties

PROPERTY	VALUE
Name	name
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.3.3.3 Field description

2.1.2.3.3.3.1 description Tree Diagram

2.1.2.3.3.3.2 description properties

PROPERTY	VALUE
Name	description
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.3.3.4 Field creator

2.1.2.3.3.4.1 creator Tree Diagram

```
{_id}          creator

               objectId
```

2.1.2.3.3.4.2 creator properties

PROPERTY	VALUE
Name	creator
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	User
Foreign field	id
Relationship type	Foreign Key
Relationship name	fk Workspace.creator to User.id
Cardinality	1
Default	
Sample	
Comments	

2.1.2.3.3.5 Field created_at

2.1.2.3.3.5.1 created_at Tree Diagram

2.1.2.3.3.5.2 created_at properties

PROPERTY	VALUE
Name	created_at
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.3.3.6 Field updated_at

2.1.2.3.3.6.1 updated_at Tree Diagram

2.1.2.3.3.6.2 updated_at properties

PROPERTY	VALUE
Name	updated_at
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.3.4 Workspace JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "Workspace",
    "properties": {
        "id": {
            "type": "string",
            "pattern": "^[a-fA-F0-9]{24}$"
        },
        "name": {
            "type": "string"
        },
        "description": {
            "type": "string"
        },
        "creator": {
            "type": "string",
            "pattern": "^[a-fA-F0-9]{24}$"
        },
        "created_at": {
            "type": "string",
            "format": "date"
        },
        "updated_at": {
            "type": "string",
            "format": "date"
        }
    },
    "additionalProperties": false
}
```

2.1.2.3.5 Workspace JSON data

```
{
    "id": ObjectId("4ecac99da12baead96730185"),
    "name": "Lorem",
    "description": "Lorem",
    "creator": ObjectId("bb83f9e1f4c805ba5a1b4f3a"),
    "created_at": ISODate("2016-04-08T15:06:21.595Z"),
    "updated_at": ISODate("2016-04-08T15:06:21.595Z")
}
```
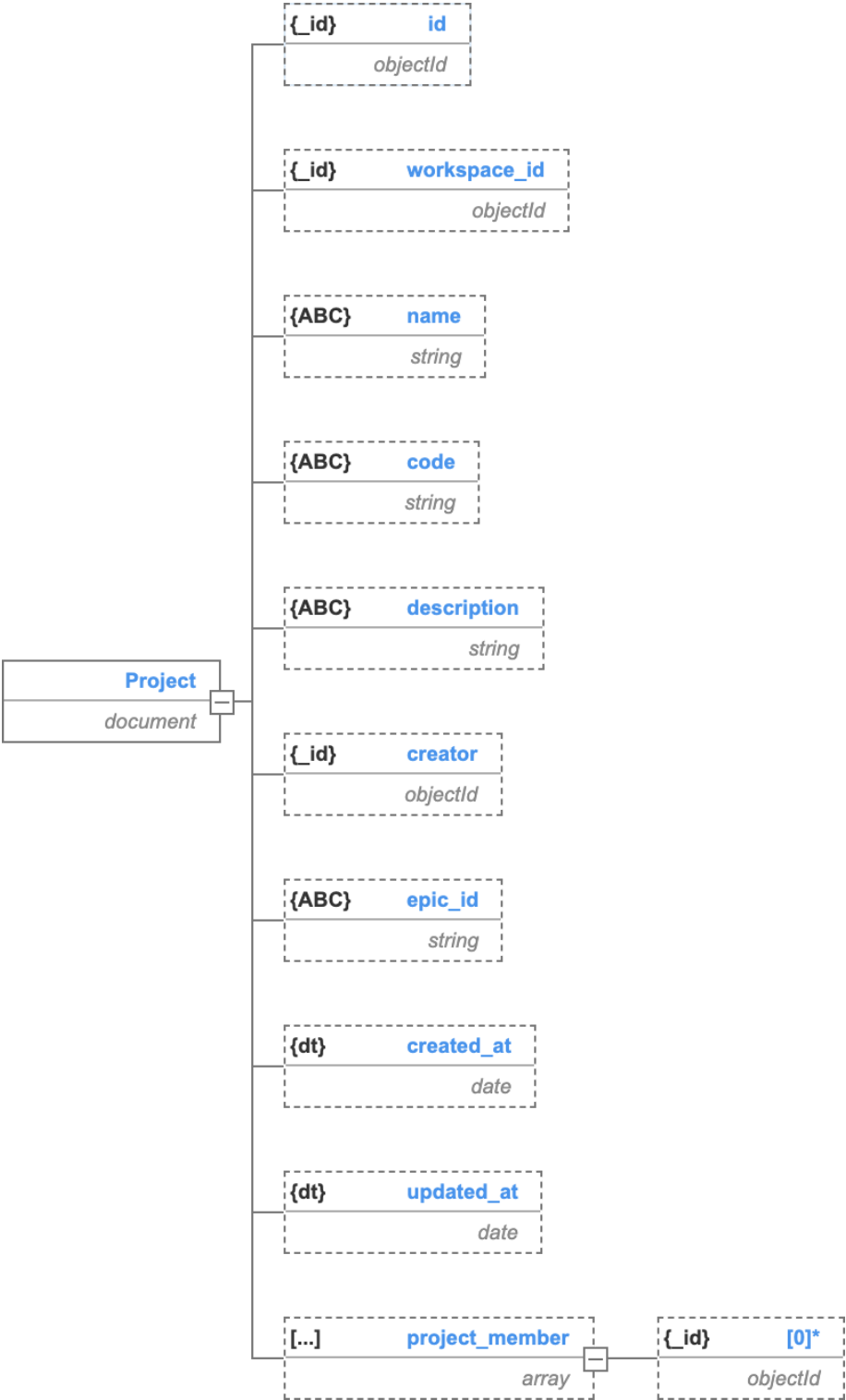
2.1.2.3.6 Workspace Target Script

```
use athena_db;

db.createCollection("Workspace", {
    "capped": false,
    "validator": {
        "$jsonSchema": {
            "bsonType": "object",
            "title": "Workspace",
            "properties": {
                "_id": {
                    "bsonType": "objectId"
                },
                "id": {
                    "bsonType": "objectId"
                },
                "name": {
                    "bsonType": "string"
                },
                "description": {
                    "bsonType": "string"
                },
                "creator": {
                    "bsonType": "objectId"
                },
                "created_at": {
                    "bsonType": "date"
                },
                "updated_at": {
                    "bsonType": "date"
                }
            },
            "additionalProperties": false
        }
    },
    "validationLevel": "off",
    "validationAction": "warn"
});
```

2.1.2.4 Collection Project

2.1.2.4.1 Project Tree Diagram

{_id}   **id**
objectId

{_id}   **workspace_id**
objectId

{ABC}   **name**
string

{ABC}   **code**
string

{ABC}   **description**
string

Project
document

{_id}   **creator**
objectId

{ABC}   **epic_id**
string

{dt}   **created_at**
date

{dt}   **updated_at**
date

[...]   **project_member**   **{_id}**   **[0]***
array   *objectId*

2.1.2.4.2 Project Properties

PROPERTY	VALUE
Collection name	Project
Technical name	
Activated	true
Id	
$ref	
Description	
Database	AthenaDB
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Encryption metadata	
Additional properties	false
Workload analysis	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Comments	

2.1.2.4.3 Project Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
id	objectId	false	pk, dk		
workspace_id	objectId	false	fk		
name	string	false			
code	string	false			
description	string	false			
creator	objectId	false	fk		
epic_id	string	false			
created_at	date	false			
updated_at	date	false			
project_member	array	false			
[0]	objectId	false	fk		

2.1.2.4.3.1 Field id

2.1.2.4.3.1.1 id Tree Diagram

2.1.2.4.3.1.2 id properties

PROPERTY	VALUE
Name	id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.4.3.2 Field workspace_id

2.1.2.4.3.2.1 workspace_id Tree Diagram

2.1.2.4.3.2.2 workspace_id properties

PROPERTY	VALUE
Name	workspace_id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	Workspace
Foreign field	id
Relationship type	Foreign Key
Relationship name	fk Project.workspace_id to Workspace.id
Cardinality	1
Default	
Sample	
Comments	

2.1.2.4.3.3 Field name

2.1.2.4.3.3.1 name Tree Diagram

2.1.2.4.3.3.2 name properties

PROPERTY	VALUE
Name	name
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.4.3.4 Field code

2.1.2.4.3.4.1 code Tree Diagram

2.1.2.4.3.4.2 code properties

PROPERTY	VALUE
Name	code
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.4.3.5 Field description

2.1.2.4.3.5.1 description Tree Diagram

2.1.2.4.3.5.2 description properties

PROPERTY	VALUE
Name	description
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.4.3.6 Field creator

2.1.2.4.3.6.1 creator Tree Diagram

2.1.2.4.3.6.2 creator properties

PROPERTY	VALUE
Name	creator
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	User
Foreign field	id
Relationship type	Foreign Key
Relationship name	fk Project.creator to User.id
Cardinality	1
Default	
Sample	
Comments	

2.1.2.4.3.7 Field epic_id

2.1.2.4.3.7.1 epic_id Tree Diagram

2.1.2.4.3.7.2 epic_id properties

PROPERTY	VALUE
Name	epic_id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.4.3.8 Field created_at

2.1.2.4.3.8.1 created_at Tree Diagram

2.1.2.4.3.8.2 created_at properties

PROPERTY	VALUE
Name	created_at
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.4.3.9 Field updated_at

2.1.2.4.3.9.1 updated_at Tree Diagram

2.1.2.4.3.9.2 updated_at properties

PROPERTY	VALUE
Name	updated_at
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.4.3.10 Field project_member

2.1.2.4.3.10.1 project_member Tree Diagram
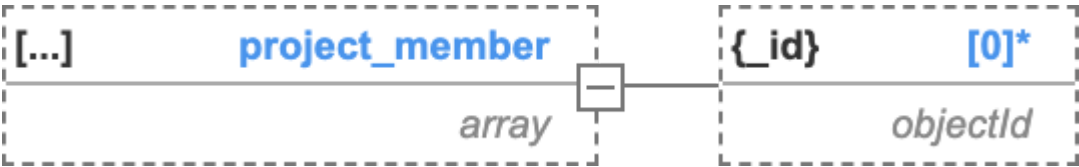
2.1.2.4.3.10.2 project_member Hierarchy

Parent field: **Project**
Child field(s):

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	objectId	false			

2.1.2.4.3.10.3 project_member properties

PROPERTY	VALUE
Name	project_member
Technical name	
Activated	true
Id	
Field-level encryption	
Type	array
Description	
Dependencies	
Required	
Primary key	
Foreign collection	User
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min items	
Max items	
Unique items	
Additional items	true
Quantification	
Comments	

2.1.2.4.3.11 Field [0]

2.1.2.4.3.11.1 [0] Tree Diagram

2.1.2.4.3.11.2 [0] properties

PROPERTY	VALUE
Display name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Primary key	
Foreign collection	User
Foreign field	id
Relationship type	Foreign Key
Relationship name	fk Project.project_member.[0] to User.id
Cardinality	1
Default	
Sample	
Comments	

2.1.2.4.4 Project JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "Project",
    "properties": {
        "id": {
            "type": "string",
            "pattern": "^[a-fA-F0-9]{24}$"
        },
        "workspace_id": {
            "type": "string",
            "pattern": "^[a-fA-F0-9]{24}$"
        },
        "name": {
            "type": "string"
        },
        "code": {
            "type": "string"
        },
        "description": {
            "type": "string"
        },
        "creator": {
            "type": "string",
            "pattern": "^[a-fA-F0-9]{24}$"
        },
        "epic_id": {
            "type": "string"
        },
        "created_at": {
            "type": "string",
            "format": "date"
        },
        "updated_at": {
            "type": "string",
            "format": "date"
        },
        "project_member": {
            "type": "array",
            "additionalItems": true,
            "items": {
                "type": "string",
                "pattern": "^[a-fA-F0-9]{24}$"
            }
        }
    },
    "additionalProperties": false
}
```

2.1.2.4.5 Project JSON data

```
{
    "id": ObjectId("cc54c74badc4234a08d005bd"),
    "workspace_id": ObjectId("5ce6d5e188221acef8ca9873"),
    "name": "Lorem",
    "code": "Lorem",
    "description": "Lorem",
    "creator": ObjectId("d5813baf1d290ccaf03f6e51"),
    "epic_id": "Lorem",
    "created_at": ISODate("2016-04-08T15:06:21.595Z"),
    "updated_at": ISODate("2016-04-08T15:06:21.595Z"),
    "project_member": [
        ObjectId("a0cfd88ce74d3fbd81476e11")
    ]
}
```
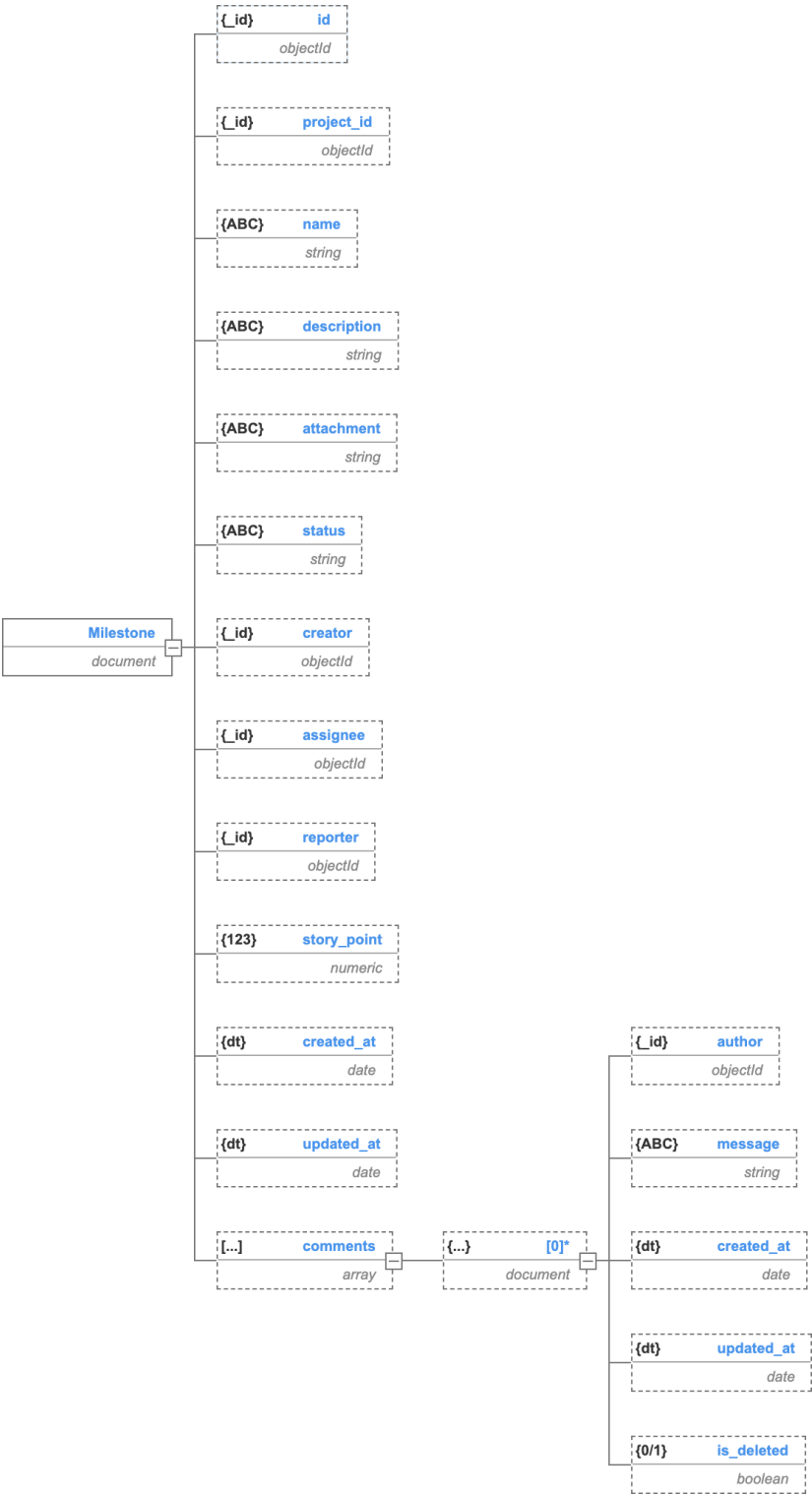
2.1.2.4.6 Project Target Script

```
use athena_db;

db.createCollection("Project", {
    "capped": false,
    "validator": {
        "$jsonSchema": {
            "bsonType": "object",
            "title": "Project",
            "properties": {
                "_id": {
                    "bsonType": "objectId"
                },
                "id": {
                    "bsonType": "objectId"
                },
                "workspace_id": {
                    "bsonType": "objectId"
                },
                "name": {
                    "bsonType": "string"
                },
                "code": {
                    "bsonType": "string"
                },
                "description": {
                    "bsonType": "string"
                },
                "creator": {
                    "bsonType": "objectId"
                },
                "epic_id": {
                    "bsonType": "string"
                },
                "created_at": {
                    "bsonType": "date"
                },
                "updated_at": {
                    "bsonType": "date"
                },
                "project_member": {
                    "bsonType": "array",
                    "additionalItems": true,
                    "items": {
                        "bsonType": "objectId"
                    }
                }
            },
            "additionalProperties": false
        }
    },
    "validationLevel": "off",
    "validationAction": "warn"
});
```

2.1.2.5 Collection Milestone

2.1.2.5.1 Milestone Tree Diagram

| {_id} | id |
| | objectId |

| {_id} | project_id |
| | objectId |

| {ABC} | name |
| | string |

| {ABC} | description |
| | string |

| {ABC} | attachment |
| | string |

| {ABC} | status |
| | string |

| Milestone | | {_id} | creator |
| document | | | objectId |

| {_id} | assignee |
| | objectId |

| {_id} | reporter |
| | objectId |

| {123} | story_point |
| | numeric |

| {dt} | created_at | | {_id} | author |
| | date | | | objectId |

| {dt} | updated_at | | {ABC} | message |
| | date | | | string |

| [...] | comments | | {...} | [0]* | | {dt} | created_at |
| | array | | | document | | | date |

| {dt} | updated_at |
| | date |

| {0/1} | is_deleted |
| | boolean |

2.1.2.5.2 Milestone Properties

PROPERTY	VALUE
Collection name	Milestone
Technical name	
Activated	true
Id	
$ref	
Description	
Database	AthenaDB
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Encryption metadata	
Additional properties	false
Workload analysis	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Comments	

2.1.2.5.3 Milestone Fields

PROPERTY	VALUE

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
id	objectId	false	pk		
project_id	objectId	false	fk		
name	string	false			
description	string	false			
attachment	string	false			
status	string	false			
creator	objectId	false	fk		
assignee	objectId	false	fk		
reporter	objectId	false	fk		
story_point	numeric	false			
created_at	date	false			
updated_at	date	false			
comments	array	false			
[0]	document	false			
author	objectId	false	fk		
message	string	false			
created_at	date	false			
updated_at	date	false			
is_deleted	boolean	false			

2.1.2.5.3.1 Field id

2.1.2.5.3.1.1 id Tree Diagram

2.1.2.5.3.1.2 id properties

PROPERTY	VALUE
Name	id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.5.3.2 Field project_id

2.1.2.5.3.2.1 project_id Tree Diagram

2.1.2.5.3.2.2 project_id properties

PROPERTY	VALUE
Name	project_id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	Project
Foreign field	id
Relationship type	Foreign Key
Relationship name	fk Milestone.project_id to Project.id
Cardinality	1
Default	
Sample	
Comments	

2.1.2.5.3.3 Field name

2.1.2.5.3.3.1 name Tree Diagram

2.1.2.5.3.3.2 name properties

PROPERTY	VALUE
Name	name
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.5.3.4 Field description

2.1.2.5.3.4.1 description Tree Diagram

2.1.2.5.3.4.2 description properties

PROPERTY	VALUE
Name	description
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.5.3.5 Field attachment

2.1.2.5.3.5.1 attachment Tree Diagram

```
{ABC}        attachment

                   string
```

2.1.2.5.3.5.2 attachment properties

PROPERTY	VALUE
Name	attachment
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.5.3.6 Field status

2.1.2.5.3.6.1 status Tree Diagram

2.1.2.5.3.6.2 status properties

PROPERTY	VALUE
Name	status
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	todo,on_progress,done
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.5.3.7 Field creator

2.1.2.5.3.7.1 creator Tree Diagram

2.1.2.5.3.7.2 creator properties

PROPERTY	VALUE
Name	creator
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	User
Foreign field	id
Relationship type	Foreign Key
Relationship name	fk Milestone.creator to User.id
Cardinality	1
Default	
Sample	
Comments	

2.1.2.5.3.8 Field assignee

2.1.2.5.3.8.1 assignee Tree Diagram
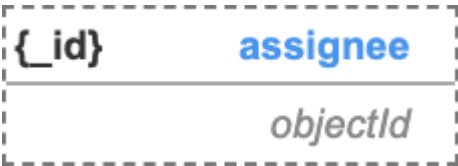
2.1.2.5.3.8.2 assignee properties

PROPERTY	VALUE
Name	assignee
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	User
Foreign field	id
Relationship type	Foreign Key
Relationship name	fk Milestone.assignee to User.id
Cardinality	1
Default	
Sample	
Comments	

2.1.2.5.3.9 Field reporter

2.1.2.5.3.9.1 reporter Tree Diagram

2.1.2.5.3.9.2 reporter properties

PROPERTY	VALUE
Name	reporter
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	User
Foreign field	id
Relationship type	Foreign Key
Relationship name	fk Milestone.reporter to User.id
Cardinality	1
Default	
Sample	
Comments	

2.1.2.5.3.10 Field story_point

2.1.2.5.3.10.1 story_point Tree Diagram

2.1.2.5.3.10.2 story_point properties

PROPERTY	VALUE
Name	story_point
Technical name	
Activated	true
Id	
Field-level encryption	
Type	numeric
Subtype	
Description	
Dependencies	
Required	
Primary key	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Unit	
Min value	1
Excl min	
Max value	20
Excl max	
Multiple of	
Divisible by	
Enum	1,2,3,5,8,13,20
Faker function	
Sample	
Comments	

2.1.2.5.3.11 Field created_at

2.1.2.5.3.11.1 created_at Tree Diagram

2.1.2.5.3.11.2 created_at properties

PROPERTY	VALUE
Name	created_at
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.5.3.12 Field updated_at

2.1.2.5.3.12.1 updated_at Tree Diagram

2.1.2.5.3.12.2 updated_at properties

PROPERTY	VALUE
Name	updated_at
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.5.3.13 Field comments

2.1.2.5.3.13.1 comments Tree Diagram
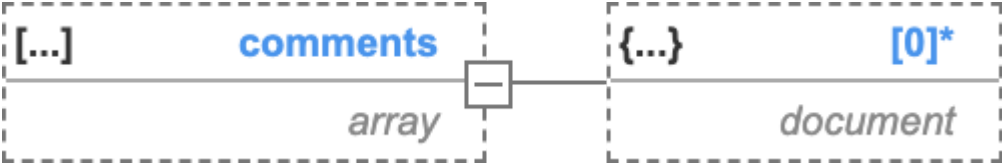
2.1.2.5.3.13.2 comments Hierarchy

Parent field: **Milestone**
Child field(s):

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	document	false			

2.1.2.5.3.13.3 comments properties

PROPERTY	VALUE
Name	comments
Technical name	
Activated	true
Id	
Field-level encryption	
Type	array
Description	
Dependencies	
Required	
Primary key	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min items	
Max items	
Unique items	
Additional items	true
Quantification	
Comments	

2.1.2.5.3.14 Field [0]

PROPERTY	VALUE

2.1.2.5.3.14.1 [0] Tree Diagram
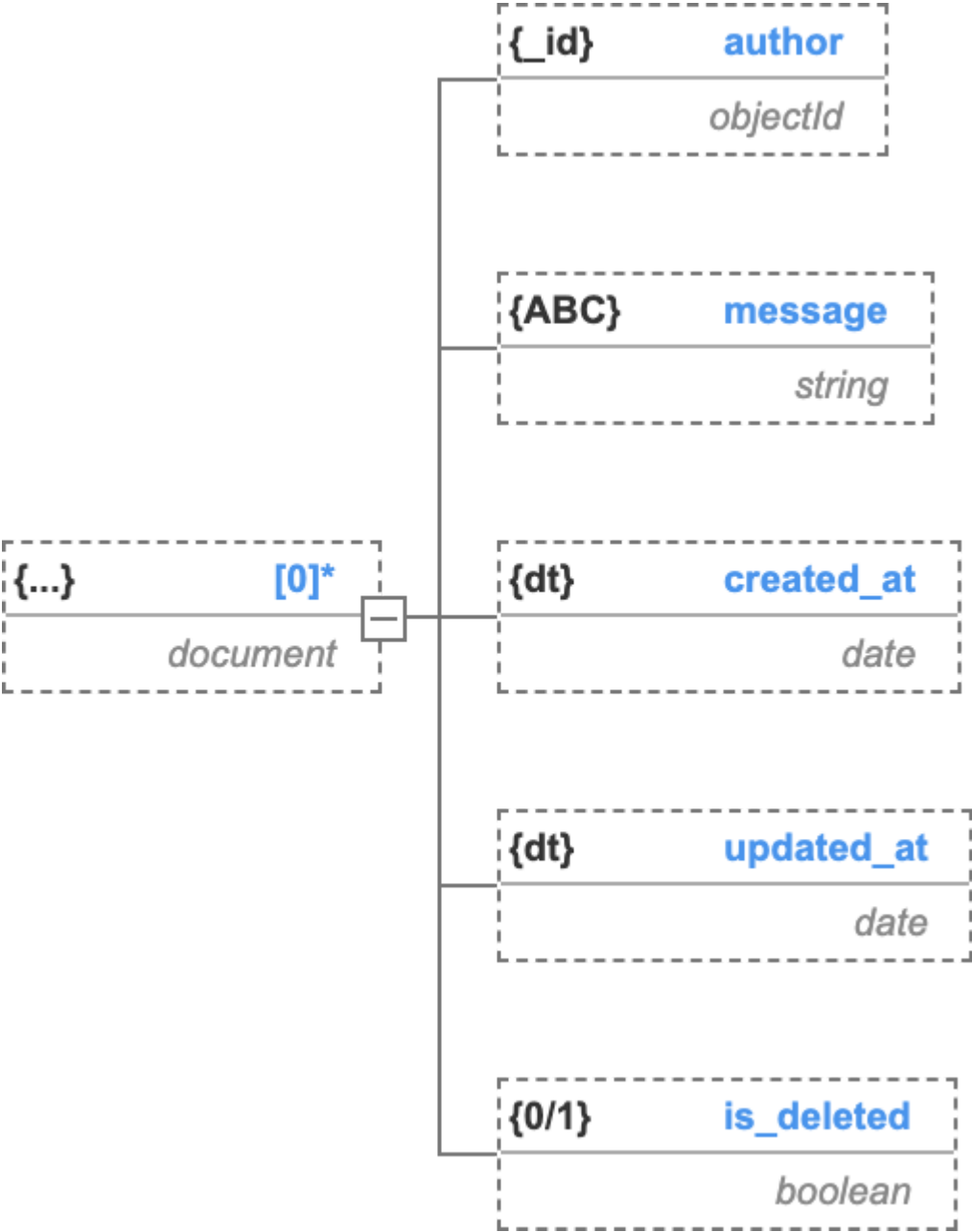
2.1.2.5.3.14.2 [0] Hierarchy

Parent field: **comments**
Child field(s):

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
author	objectId	false			
message	string	false			
created_at	date	false			
updated_at	date	false			
is_deleted	boolean	false			

2.1.2.5.3.14.3 [0] properties

PROPERTY	VALUE
Display name	
Activated	true
Id	
Field-level encryption	
Type	document
Description	
Dependencies	
Primary key	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
DBRef	
Min Properties	
Max Properties	
Additional properties	false
Comments	

2.1.2.5.3.15 Field author

2.1.2.5.3.15.1 author Tree Diagram

2.1.2.5.3.15.2 author properties

PROPERTY	VALUE
Name	author
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	User
Foreign field	id
Relationship type	Foreign Key
Relationship name	fk Milestone.comments.[0].author to User.id
Cardinality	1
Default	
Sample	
Comments	

2.1.2.5.3.16 Field message

2.1.2.5.3.16.1 message Tree Diagram

{ABC}   message
              string

2.1.2.5.3.16.2 message properties

PROPERTY	VALUE
Name	message
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.5.3.17 Field created_at

2.1.2.5.3.17.1 created_at Tree Diagram

{dt}   created_at
              date

2.1.2.5.3.17.2 created_at properties

PROPERTY	VALUE
Name	created_at
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.5.3.18 Field updated_at

2.1.2.5.3.18.1 updated_at Tree Diagram

2.1.2.5.3.18.2 updated_at properties

PROPERTY	VALUE
Name	updated_at
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.5.3.19 Field is_deleted

2.1.2.5.3.19.1 is_deleted Tree Diagram

{0/1}   is_deleted
         boolean

2.1.2.5.3.19.2 is_deleted properties

PROPERTY	VALUE
Name	is_deleted
Technical name	
Activated	true
Id	
Field-level encryption	
Type	boolean
Description	
Dependencies	
Required	
Primary key	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.5.4 Milestone JSON Schema

```json
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Milestone",
  "properties": {
    "id": {
      "type": "string",
      "pattern": "^[a-fA-F0-9]{24}$"
    },
    "project_id": {
      "type": "string",
      "pattern": "^[a-fA-F0-9]{24}$"
    },
    "name": {
      "type": "string"
    },
    "description": {
      "type": "string"
    },
    "attachment": {
      "type": "string"
    },
    "status": {
      "type": "string",
      "enum": [
        "todo",
        "on_progress",
        "done"
      ]
    },
    "creator": {
      "type": "string",
      "pattern": "^[a-fA-F0-9]{24}$"
    },
    "assignee": {
      "type": "string",
      "pattern": "^[a-fA-F0-9]{24}$"
    },
    "reporter": {
      "type": "string",
      "pattern": "^[a-fA-F0-9]{24}$"
    },
    "story_point": {
      "type": "number",
      "minimum": 1,
      "maximum": 20,
      "enum": [
        1,
        2,
        3,
        5,
        8,
        13,
        20
      ]
    },
    "created_at": {
      "type": "string",
      "format": "date"
    },
```

```
        "updated_at": {
          "type": "string",
          "format": "date"
        },
        "comments": {
          "type": "array",
          "additionalItems": true,
          "items": {
            "type": "object",
            "properties": {
              "author": {
                "type": "string",
                "pattern": "^[a-fA-F0-9]{24}$"
              },
              "message": {
                "type": "string"
              },
              "created_at": {
                "type": "string",
                "format": "date"
              },
              "updated_at": {
                "type": "string",
                "format": "date"
              },
              "is_deleted": {
                "type": "boolean"
              }
            },
            "additionalProperties": false
          }
        }
      },
      "additionalProperties": false
    }
```

2.1.2.5.5 Milestone JSON data

```
{
    "id": ObjectId("94f51dab23b0f6f6a46b6cc8"),
    "project_id": ObjectId("0a2bd7fc19b1c7fef1eaa4ec"),
    "name": "Lorem",
    "description": "Lorem",
    "attachment": "Lorem",
    "status": "done",
    "creator": ObjectId("dfcebe2a59b94e63ce7b6df2"),
    "assignee": ObjectId("348c8ceddde5bfc82ab1ed5e"),
    "reporter": ObjectId("a5be7ad4f3bcac65dfff1cbb"),
    "story_point": 20,
    "created_at": ISODate("2016-04-08T15:06:21.595Z"),
    "updated_at": ISODate("2016-04-08T15:06:21.595Z"),
    "comments": [
        {
            "author": ObjectId("3aba8ffeaeb68cfe2abfdeed"),
            "message": "Lorem",
            "created_at": ISODate("2016-04-08T15:06:21.595Z"),
            "updated_at": ISODate("2016-04-08T15:06:21.595Z"),
            "is_deleted": true
        }
    ]
}
```

2.1.2.5.6 Milestone Target Script

```
use athena_db;

db.createCollection("Milestone", {
    "capped": false,
    "validator": {
        "$jsonSchema": {
            "bsonType": "object",
            "title": "Milestone",
            "properties": {
                "_id": {
                    "bsonType": "objectId"
                },
                "id": {
                    "bsonType": "objectId"
                },
                "project_id": {
                    "bsonType": "objectId"
                },
                "name": {
                    "bsonType": "string"
                },
                "description": {
                    "bsonType": "string"
                },
                "attachment": {
                    "bsonType": "string"
                },
                "status": {
                    "bsonType": "string",
                    "enum": [
                        "todo",
                        "on_progress",
                        "done"
                    ]
                },
                "creator": {
                    "bsonType": "objectId"
                },
                "assignee": {
                    "bsonType": "objectId"
                },
                "reporter": {
                    "bsonType": "objectId"
                },
                "story_point": {
                    "bsonType": "number",
                    "minimum": 1,
                    "maximum": 20,
                    "enum": [
                        1,
                        2,
                        3,
                        5,
                        8,
                        13,
                        20
                    ]
                },
                "created_at": {
                    "bsonType": "date"
```

```
                },
                "updated_at": {
                    "bsonType": "date"
                },
                "comments": {
                    "bsonType": "array",
                    "additionalItems": true,
                    "items": {
                        "bsonType": "object",
                        "properties": {
                            "author": {
                                "bsonType": "objectId"
                            },
                            "message": {
                                "bsonType": "string"
                            },
                            "created_at": {
                                "bsonType": "date"
                            },
                            "updated_at": {
                                "bsonType": "date"
                            },
                            "is_deleted": {
                                "bsonType": "bool"
                            }
                        },
                        "additionalProperties": false
                    }
                }
            },
            "additionalProperties": false
        }
    },
    "validationLevel": "off",
    "validationAction": "warn"
});
```

3. RELATIONSHIPS

3.1 Relationship fk Client.owner to User.id

#### 3.1.1 fk Client.owner to User.id Diagram

PARENT TABLE	PARENT FIELD
User	id

CHILD TABLE	CHILD FIELD
Client	owner
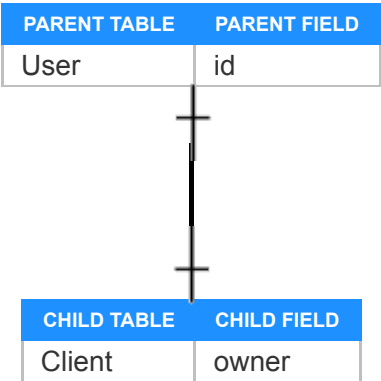
3.1.2 fk Client.owner to User.id Properties

PROPERTY	VALUE
Name	fk Client.owner to User.id
Description	
Parent Collection	User
Parent field	id
Parent Cardinality	1
Child Collection	Client
Child field	owner
Child Cardinality	1
Comments	

3.2 Relationship fk Client.workspace.[0] to Workspace.id

### 3.2.1 fk Client.workspace.[0] to Workspace.id Diagram

PARENT TABLE	PARENT FIELD
Workspace	id

CHILD TABLE	CHILD FIELD
Client	workspace.[-1]
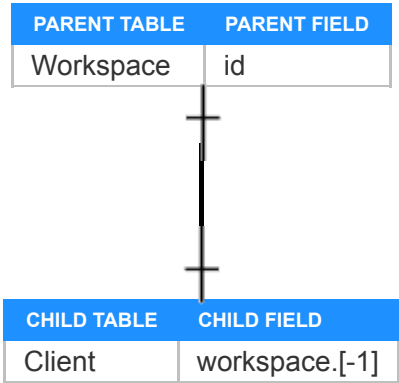
3.2.2 fk Client.workspace.[0] to Workspace.id Properties

PROPERTY	VALUE
Name	fk Client.workspace.[0] to Workspace.id
Description	
Parent Collection	Workspace
Parent field	id
Parent Cardinality	1
Child Collection	Client
Child field	
Child Cardinality	1
Comments	

3.3 Relationship fk Workspace.creator to User.id

3.3.1 fk Workspace.creator to User.id Diagram

PARENT TABLE	PARENT FIELD
User	id

CHILD TABLE	CHILD FIELD
Workspace	creator
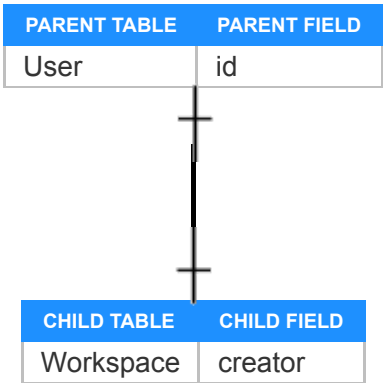
3.3.2 fk Workspace.creator to User.id Properties

PROPERTY	VALUE
Name	fk Workspace.creator to User.id
Description	
Parent Collection	User
Parent field	id
Parent Cardinality	1
Child Collection	Workspace
Child field	creator
Child Cardinality	1
Comments	

3.4 Relationship fk Project.creator to User.id

3.4.1 fk Project.creator to User.id Diagram

PARENT TABLE	PARENT FIELD
User	id

CHILD TABLE	CHILD FIELD
Project	creator
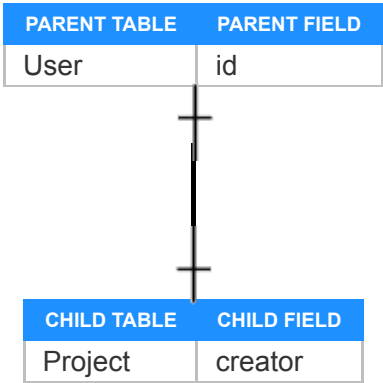
3.4.2 fk Project.creator to User.id Properties

PROPERTY	VALUE
Name	fk Project.creator to User.id
Description	
Parent Collection	User
Parent field	id
Parent Cardinality	1
Child Collection	Project
Child field	creator
Child Cardinality	1
Comments	

3.5 Relationship fk Project.workspace_id to Workspace.id

### 3.5.1 fk Project.workspace_id to Workspace.id Diagram

PARENT TABLE	PARENT FIELD
Workspace	id

CHILD TABLE	CHILD FIELD
Project	workspace_id
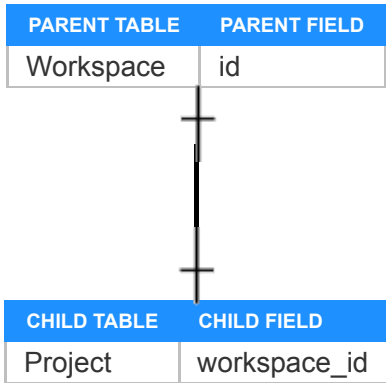
3.5.2 fk Project.workspace_id to Workspace.id Properties

PROPERTY	VALUE
Name	fk Project.workspace_id to Workspace.id
Description	
Parent Collection	Workspace
Parent field	id
Parent Cardinality	1
Child Collection	Project
Child field	workspace_id
Child Cardinality	1
Comments	

3.6 Relationship fk Milestone.project_id to Project.id

3.6.1 fk Milestone.project_id to Project.id Diagram

PARENT TABLE	PARENT FIELD
Project	id

CHILD TABLE	CHILD FIELD
Milestone	project_id
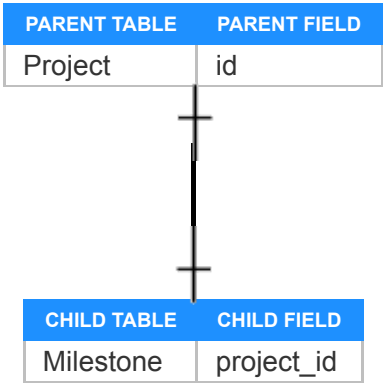
3.6.2 fk Milestone.project_id to Project.id Properties

PROPERTY	VALUE
Name	fk Milestone.project_id to Project.id
Description	
Parent Collection	Project
Parent field	id
Parent Cardinality	1
Child Collection	Milestone
Child field	project_id
Child Cardinality	1
Comments	

3.7 Relationship fk Project.project_member.[0] to User.id

### 3.7.1 fk Project.project_member.[0] to User.id Diagram

PARENT TABLE	PARENT FIELD
User	id

CHILD TABLE	CHILD FIELD
Project	project_member.[-1]
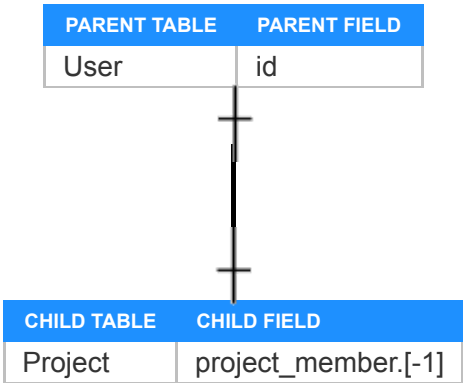
3.7.2 fk Project.project_member.[0] to User.id Properties

PROPERTY	VALUE
Name	fk Project.project_member.[0] to User.id
Description	
Parent Collection	User
Parent field	id
Parent Cardinality	1
Child Collection	Project
Child field	
Child Cardinality	1
Comments	

3.8 Relationship fk Milestone.creator to User.id

3.8.1 fk Milestone.creator to User.id Diagram

PARENT TABLE	PARENT FIELD
User	id

CHILD TABLE	CHILD FIELD
Milestone	creator
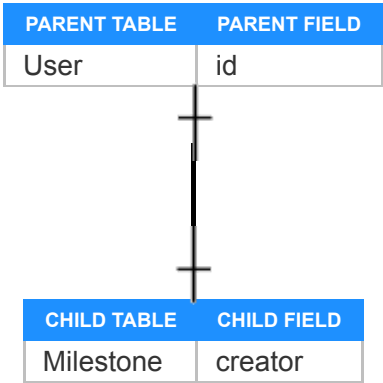
3.8.2 fk Milestone.creator to User.id Properties

PROPERTY	VALUE
Name	fk Milestone.creator to User.id
Description	
Parent Collection	User
Parent field	id
Parent Cardinality	1
Child Collection	Milestone
Child field	creator
Child Cardinality	1
Comments	

3.9 Relationship fk Milestone.assignee to User.id

### 3.9.1 fk Milestone.assignee to User.id Diagram

PARENT TABLE	PARENT FIELD
User	id

CHILD TABLE	CHILD FIELD
Milestone	assignee
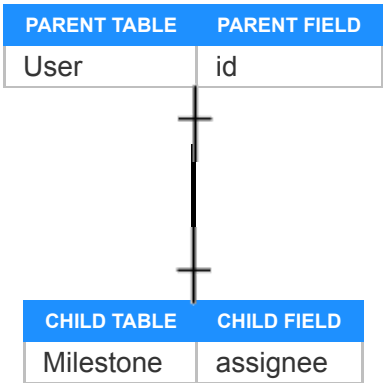
3.9.2 fk Milestone.assignee to User.id Properties

PROPERTY	VALUE
Name	fk Milestone.assignee to User.id
Description	
Parent Collection	User
Parent field	id
Parent Cardinality	1
Child Collection	Milestone
Child field	assignee
Child Cardinality	1
Comments	

3.10 Relationship fk Milestone.reporter to User.id

3.10.1 fk Milestone.reporter to User.id Diagram

PARENT TABLE	PARENT FIELD
User	id

CHILD TABLE	CHILD FIELD
Milestone	reporter
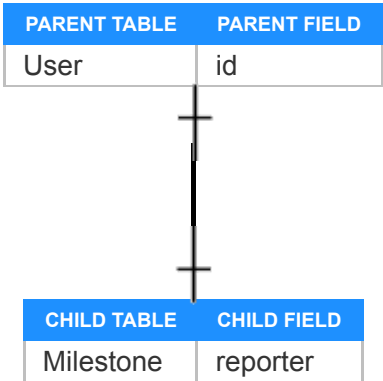
3.10.2 fk Milestone.reporter to User.id Properties

PROPERTY	VALUE
Name	fk Milestone.reporter to User.id
Description	
Parent Collection	User
Parent field	id
Parent Cardinality	1
Child Collection	Milestone
Child field	reporter
Child Cardinality	1
Comments	

3.11 Relationship fk Milestone.comments.[0].author to User.id

3.11.1 fk Milestone.comments.[0].author to User.id Diagram

PARENT TABLE	PARENT FIELD
User	id

CHILD TABLE	CHILD FIELD
Milestone	comments.[-1].author
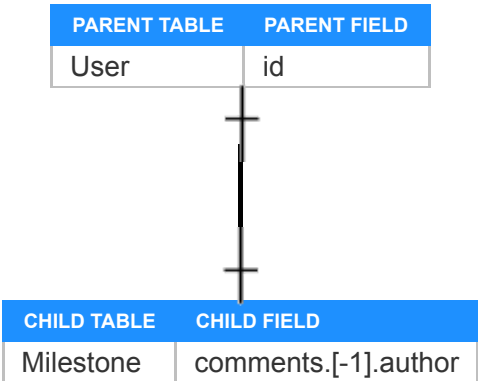
3.11.2 fk Milestone.comments.[0].author to User.id Properties

PROPERTY	VALUE
Name	fk Milestone.comments.[0].author to User.id
Description	
Parent Collection	User
Parent field	id
Parent Cardinality	1
Child Collection	Milestone
Child field	author
Child Cardinality	1
Comments	