1. Put
   1. Object
      1. putObject

Parameters:

String key

Long BFS\_File

Long owner\_ID

Long Bucket\_ID

String Meta

Long Size

String Media\_Type

Return:

ScssObject.

Throws：

SameNameException

1. putObject

Parameters:

String key

Long BFS\_File

Long owner\_ID

Long Bucket\_ID

String Meta

Long Size

String Media\_Type

String sysMeta

String etag

**boolean** version\_enabled

String version

**boolean** deleted

Date expirationTime

Date createTime

Date modifyTime

Return:

ScssObject.

Throws：

SameNameException

* 1. Bucket
     1. putBucket

Parameters:

String name

Long ownerId

String meta

Return：

ScssBucket

* + 1. putBucket

Parameters:

String name

Long ownerId

Boolean exprirationEnabled

Boolean loggingEnabled

String meta

Boolean deleted

Date createTime

Date modifyTime

Return：

ScssBucket

Throws：

SameNameException

* 1. Group
     1. putGroup

Parameters:

String groupName

Return：

ScssGroup

Throws：

SameNameException

* 1. User
     1. putUser

Parameters:

String sohuId

String access\_key

Return：

ScssUser

Throws：

SameNameException

1. Get
   1. Object
      1. getObject(Long BFS\_File) return : ScssObject
      2. getObject(String bucket\_name, String key) return : ScssObject
      3. getBucket(long owner\_ID, String name) return : List<ScssObject>
      4. getBucket(String name) return : List<ScssObject>
      5. getBucket(Long owner\_ID, Long Bucket\_ID) return : List<ScssObject>
   2. Bucket
      1. getBucketByName(String bucketName, Long userId) return : ScssBucket
      2. getBucketByName(String name) return : ScssBucket
      3. getBucketsByUserName(String name) return :List<ScssBucket>
      4. getBucketsByUserID(long ID) return :List<ScssBucket>
   3. Group
      1. getGroupById(Long id) return : ScssGroup
      2. getGroupByName(String name) return : ScssGroup
   4. User
      1. getUserById(long id) return : ScssUser
      2. getUserBySohuId(String sohuId) return : ScssUser
      3. getUserByAccessKey(String access\_key) return : ScssUser
      4. getUsersByGroupId(Long groupId) return : List<ScssUser>
      5. getUsersByGroup(ScssGroup group) return : List<ScssUser>
2. Delete
   1. Object
      1. deleteObject(String key, Long owner\_ID, Long Bucket\_ID) return : void
   2. Bucket
      1. deleteBucket(String name) return : void
      2. deleteBucket(String name, Long ownerID) return : void
      3. deleteBucketById(Long bucket\_id) return : void
   3. Group
      1. deleteGroup(ScssGroup sg) return : void
      2. deleteGroup(Long gid) return : void
      3. deleteGroup(String name) return : void
   4. User
      1. deleteUser(ScssUser user) return : void
3. Modify
   1. Object
      1. modifyObject(ScssObject scssObject) return : void
   2. Bucket
      1. modifyBucket(ScssBucket bucket) return : void
   3. Group
      1. modifyGroup(ScssGroup scssGroup) return : void
   4. User
      1. modifyUser(ScssUser scssUser) return : void
4. Another
   1. User on group
      1. putUserToGroup(ScssUser user, ScssGroup sg)
      2. removeUserFromGroup(ScssUser user, ScssGroup sg)
      3. putUserListToGroup(List<ScssUser> users, ScssGroup sg)
      4. putUserIdsToGroup(String ids, ScssGroup sg)