DuraCloud Administration

- Naming restrictions
- Access Control Lists (ACLs)

This document details some of the considerations of concern to a DuraCloud administrator.

Naming restrictions

1. Space names
   a. The following restrictions apply to user-defined space names
      • only lowercase letters, numbers, periods, and dashes
      • no adjacent pair of "." and/or ":" 
      • no number immediately following the last "." 
      • between 3 and 42 characters 
      • must start with a letter 
      • may not end with a dash 
   b. Note: Users can provide space names through the REST-API that do not follow these conventions, but the space actually created will have a different name under the covers.

2. Reserved space names
   a. Due to some specific operations exposed through the durastore REST-API, the following names are unavailable as user-defined space names
      • init 
      • stores 
      • spaces 
      • security 
      • task

3. Content object names
   a. The only restrictions are that a content object name
      • cannot include a question mark '?' character 
      • cannot include a reverse solidus (backslash) '\' character 
      • is limited to 1024 bytes (byte count is checked after URL and UTF-8 encoding) 

Access Control Lists (ACLs)

Access control in DuraCloud is set at the space level. Users and groups can be provided read and write access to a space.

1. Users and Groups
   a. Access is granted to users, groups, or combinations thereof
   b. Users are those with credentials to access an account
   c. Groups are collections of users that are created in the Management Console

2. Rights
   a. When assigning a space ACL, users and/or groups are granted one of two rights
      i. READ allows reading any content within that space
      ii. WRITE allows reading, adding, and modifying any content within that space

3. Public (anonymous) Access
   a. There is a special group named 'public' that can only be granted READ access to a space

4. Use
   a. REST API can be used to programmatically create, update, and delete space ACLs
      • Get Space ACLs 
      • Set Space ACLs 
   b. DurAdmin provides authorized users to update space ACLs in the web interface