

Documentum REST Extensibility Tutorial (7): Make Resource Batch-able

Previous: [Documentum REST Extensibility Tutorial \(6\): Make Resource Query-able](#)

Preliminary

Before diving into this tutorial, you must at least complete the tutorial [Documentum REST Extensibility Tutorial \(5\): Update and Delete Object](#).

Overview

Documentum REST Services has a **Batches Resource** that allows users to execute multiple REST requests into a single HTTP request. If you are not familiar with the Batches resource, please refer to [Executing Batch operations in Documentum REST Services 7.2](#). When you implement some new resources (e.g. **Alias Set Collection Resource** and **Alias Set Resource**) using Documentum REST Extensibility, you may want some of the operations executable in a batch, and some others not. This document tells you how to manage the batch-able capability for new services.

Documentum REST has an annotation

`@com.emc.documentum.rest.model.batch.annotation.BatchProhibition` that help us to determine whether new resources are batch-able or not.

As you can imagine from the annotation name, when a resource is annotated by it, the resource is NOT batch-able. By default, all new resources are batch-able.

This annotation can be used on both controller class level and controller method level.

Implementation

In the sample project location `<SDK_ROOT>/maven-kit/generated/acme-rest/acme-rest-resource/src/main/java/com/acme/rest/controller/`, there are two controllers. After you have completed [Documentum REST Extensibility Tutorial \(5\): Update and Delete Object](#), the two controllers support 5 HTTP methods.

- `AliasSetCollectionController`
 - GET - get the collection of alias sets
 - POST - create a new alias set
- `AliasSetController`
 - GET - get an alias set
 - POST - update an alias set
 - DELETE - delete an alias set

In this tutorial, we are going to

- Exclude **Alias Set Collection Resource** from batch
- Exclude **Alias Set Resource's DELETE method** from batch

Here is the annotation `@BatchProhibition` applied to class `AliasSetCollectionController.java`.

```
@Controller("acme#alias-sets") @RequestMapping("/repositories/{repositoryName}/alias-sets") @ResourceViewBinding(AliasSetsF
```

Here is the annotation `@BatchProhibition` applied to the method `deleteAliasSet()` in class `AliasSetController.java`.

```
@Controller("acme#alias-set") @RequestMapping("/repositories/{repositoryName}/alias-sets/{aliasSetId}") @ResourceViewBinding
```

Deploy and Test

Run Maven goal `mvn clean install` to rebuild the project and redeploy it to the web container again.

Open a REST client debugging tool like PostMan or DHC to test the result.

Request - Get batch capabilities:

Follow link relation `on Repository Resource` to make the batch capabilities request.

GET http://localhost:8080/acme-rest/repositories/REPO/batch-capabilities HTTP/1.1 Authorization: Basic ZG1hZG1pbjpwYXNzd29yZA==

Response - Get batch capabilities:

You can see from the response that resource *acme#alias-set* is batch-able but resource *acme#alias-sets* is NOT batch-able. By the way, neither batches resource itself nor content-media resource is batch-able.

HTTP/1.1 200 OK Content-Type: application/vnd.emc.documentum+json;charset=UTF-8 Content-Length: 925 { "transactions": "b

Request - Execute a batch to get and modify multiple alias sets:

Follow link relation `on Repository Resource` to make the batch request.

POST http://localhost:8080/acme-rest/repositories/REPO/batches HTTP/1.1 Authorization: Basic ZG1hZG1pbjpwYXNzd29yZA== C

Response - Execute a batch to get and modify multiple alias sets

HTTP/1.1 201 Created Content-Type: application/vnd.emc.documentum+json;charset=UTF-8 { "transactional": true, "sequential

Request - Prohibited batch requests:

If you want to execute an *Alias Set Collection Resource* request, or a DELETE method for an *Alias Set Resource*, the batch request will be rejected with status 400.

POST http://localhost:8080/acme-rest/repositories/REPO/batches HTTP/1.1 Authorization: Basic ZG1hZG1pbjpwYXNzd29yZA== C

Response - Prohibited batch requests:

HTTP/1.1 400 Bad Request Content-Type: application/vnd.emc.documentum+json;charset=UTF-8 { "status":400, "code":"E_BA

Next: [Documentum REST Extensibility Tutorial \(8\): Create A Root Resource](#)

[Learn more about Documentum REST Services >>](#)