GET calls from Groovy

Using Groovy Services to Make GET Calls

Using grails.converters.JSON we can easily make GET calls to the REST services of ScienceBase.

- The Basics
- Example

The Basics

Create your URL as a groovy URL with all of your fields correctly set (when using JSON make sure you set "format=json" as one of your fields). Then call .getText() on your URL object to get the returned text and JSON.parse to parse your returned text into a JSON object. The returned JSON object is basically just a Map with key/value pairs.

Example

Here is an example of search done in EERMA:

```groovy
String search = "oil"
String sciencebase = "http://www.sciencebase.gov/catalog/"
List<String> fields = ["id", "title", "hasChildren", "facets", "files"]

def url = sciencebase + "items"

def fields = {
  sort: "title",
  s: "Search",
  format: "json",
  folderId: "<folderIdOfEERMA>",
  q: search,
  fields: fields.join(',')
}

def returnedJSON = JSON.parse("${url}?${getQueryString(fields)}.toURL().getText()

def getItems() {
  return m.collect {k,v->
    "$k=${v.encodeAsURL()}
  }.join("\&")
}
```