

CMS in general, Daisy in particular:10

1

Daisy Respository Server - 2

JavaScript API

- Can be accessed via the builtin JavaScript interpreter
- Accessing the Daisy Repository Server ...

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```
importPackage(Packages.org.outerj.daisy.repository);
importClass(Packages.org.outerj.daisy.repository.clientimpl.RemoteRepositoryManager);

var repositoryManager = new RemoteRepositoryManager("http://localhost:9263",
                                                    new Credentials("testuser",
                                                                    "testuser"));
var repository = repositoryManager.getRepository(new Credentials("testuser",
                                                                    "testuser"));
```

- Creating a document and uploading an image ...

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```
var document = repository.createDocument("My test image", "Image");
var imageFile = new java.io.File("myimage.gif");
document.setPart("ImageData", "image/gif", new FilePartDataSource(imageFile));
document.save();

print("Document created, ID = " + document.getId());
```

- Performing a query ...

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```
importPackage(Packages.java.util);

var queryManager = repository.getQueryManager();

var searchresults = queryManager.performQuery("select id, name where true",
                                             Locale.getDefault());
var rows = searchresults.getSearchResult().getRows().getRowArray();
for (var i = 0; i < rows.length; i++) {
    print(rows[i].getValueArray(0) + " : " + rows[i].getValueArray(1));
}

print("Total number: " + rows.length);
```

- Run the script ...

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```
export JAVA_HOME=/usr/local/jdk
export PATH=$PATH:/usr/local/jdk/bin
export DAISY_HOME=/usr/local/daisy
sh /usr/local/daisy/bin/daisy-js daisy_script.js
firefox http://localhost:8888/daisy/nomad/gl/???.html
```

1. daisy:147 (CMS in general, Daisy in particular:11)

2. daisy:147 (CMS in general, Daisy in particular:11)