

CmsShell – konzolový přístup k OpenCms

OpenCms má k dispozici mechanismus umožňující provádět řadu úkonů (seznam dostupných funkcí je na konci dokumentu) z konzole resp. přes dávkové soubory. CmsShell má přístup (přes reflexi) k veřejným metodám tříd CmsShellCommands, CmsRequestContext a CmsObject.

Ke spouštění dávek jsem vytvořil jednoduchý ant script:

```
<project name="shell" default="run" basedir="." >
  <target name="run">
    <java classname="org.opencms.main.CmsShell">
      <arg value="-base=C:\DIPLOMKA\tomcat\webapps\opencms\WEB-INF" />
      <arg value="-script=C:\DIPLOMKA\tomcat\webapps\opencms\WEB-INF\foo.txt"/>
      <classpath>
        <fileset dir="./lib">
          <include name="*.jar"/>
        </fileset>
        <fileset dir="C:\DIPLOMKA\tomcat\common\lib">
          <include name="*.jar"/>
        </fileset>
      </classpath>
    </java>
  </target>
</project>
```

Dávkový soubor pak může vypadat takto:

```
login Admin admin
createUser usr1 usr1 usr1
createUser usr2 usr2 usr2
addUserToGroup usr1 Administrators
getUsers
```

Jak to funguje

Při startu se spustí (vytvoření skutečně velké ClassPath s Tomcat a OpenCms knihovnami) „ořezaná“ instance OpenCms serveru a vytvoří se uživatel, patřící do skupiny *Guest*. Ten dále může spouštět dostupné funkce (v potaz se berou práva).

Dají se snadno přidávat další metody, které budou k dispozici.

Na zbylých stránkách je aktuální seznam dostupných funkcí.

Available methods in org.opencms.main.CmsShellCommands:

<pre> * addWebUser(String, String, String, String) * cd(String) * chacc(String, String, String, String) * clearCaches() * copyright() * createDefaultProject(String, String) * createFolder(String, String) * createGroup(String, String) * createPropertydefinition(String) * createUser(String, String, String) * createUser(String, String, String, String, String, String) * deleteBackups(int) * deleteModule(String) * deleteProject(String) * deletepropertydefinition(String) * echo(String) * exit() * exportAllResources(String) * exportModule(String) * exportResources(String, String) * exportResourcesAndUserdata(String, String) * getAcl(String) * getLocales() * help() * help(String) * importModule(String) * importModuleFromDefault(String) * importModulesFromSetupBean() * importResources(String, String) * importResourcesWithTempProject(String) * listModules() * login(String, String) * ls() * lsacc(String) * lsacc(String, String) * perf() * prompt(String) * pwd() * quit() * readFileContent(String) * readGroupOfProject(int) * readManagerGroup(int) </pre>	<pre> * readOwnerOfProject(int) * rebuildAllIndexes() * rebuildIndex(String) * replaceModule(String, String) * replaceModuleFromDefault(String, String) * setCurrentProject(int) * setCurrentProject(String) * setLocale(String) * shellExit() * shellStart() * unlockCurrentProject() * uploadFile(String, String, String, String) * version() * whoami() </pre>
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Available methods in org.opencms.file.CmsRequestContext:

<pre>* addSiteRoot (String) * addSiteRoot (String, String) * currentProject () * currentUser () * getAdjustedSiteRoot (String) * getDirectoryTranslator () * getEncoding () * getFileTranslator () * getFolderUri () * getLocale () * getRemoteAddress () * getRequestTime () * getSiteRoot () * getUri () * isUpdateSessionEnabled () * removeSiteRoot (String) * setEncoding (String) * setRequestTime (long) * setSiteRoot (String) * setUpdateSessionEnabled (boolean) * setUri (String)</pre>	
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Available methods in org.opencms.file.CmsObject:

<pre>addUserToGroup(String, String) * backupProject(int, long) * chacc(String, String, String, String) * chacc(String, String, String, int, int, int) * changeLastModifiedProjectId(String) * changeLock(String) * changeResourcesInFolderWithProperty(String, String, String, String, boolean) * changeUserType(String, int) * changeUserType(CmsUUID, int) * chflags(String, int) * chtype(String, int) * copyResource(String, String) * copyResource(String, String, int) * copyResourceToProject(String) * countLockedResources(String) * countLockedResources(int) * cpacc(String, String) * createGroup(String, String, int, String) * createProject(String, String, String, String) * createProject(String, String, String, String, int) * createPropertyDefinition(String) * createResource(String, int) * createTempfileProject() * deleteAllStaticExportPublishedResources(int) * deleteGroup(String) * deleteGroup(CmsUUID, CmsUUID) * deleteProject(int) * deleteProperty(String, String) * deletePropertyDefinition(String) * deleteResource(String, int) * deleteStaticExportPublishedResource(String, int, String) * deleteUser(CmsUUID) * deleteUser(String) * deleteUser(CmsUUID, CmsUUID) * deleteWebUser(CmsUUID) * existsResource(String) * getAccessControlEntries(String) * getAccessControlEntries(String, boolean) * getAccessControlList(String) * getAccessControlList(String, boolean)</pre>	<pre>* getAllAccessibleProjects() * getAllBackupProjects() * getAllManageableProjects() * getBackupTagId() * getChild(String) * getChilds(String) * getConfigurations() * getDirectGroupsOfUser(String) * getFilesInFolder(String) * getGroups() * getGroupsOfUser(String) * getGroupsOfUser(String, String) * getLock(String) * getLostAndFoundName(String) * getParent(String) * getPermissions(String) * getPermissions(String, String) * getPublishList() * getRequestContext() * getResourcesInTimeRange(String, long, long) * getSubFolders(String) * getTaskService() * getUsers() * getUsers(int) * getUsersOfGroup(String) * hasPublishPermissions(String) * isAdmin() * isInsideCurrentProject(String) * isManagerOfProject() * lockResource(String) * lockResource(String, int) * loginUser(String, String) * loginUser(String, String, String) * loginUser(String, String, String, int) * loginWebUser(String, String) * lookupPrincipal(String) * lookupPrincipal(CmsUUID) * moveResource(String, String) * moveToLostAndFound(String) * publishProject()</pre>
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publishResource(String)	* setDateLastModified(String, long, boolean)
* readAllBackupFileHeaders(String)	* setDateReleased(String, long, boolean)
* readAllPropertyDefinitions()	* setParentGroup(String, String)
* readAncestor(String, int)	* setPassword(String, String)
* readBackupFile(String, int)	* setPassword(String, String, String)
* readBackupProject(int)	* touch(String, long, long, long, boolean)
* readFile(String)	* undeleteResource(String)
* readFileHeader(String)	* undoChanges(String, boolean)
* readFolder(String)	* unlockProject(int)
* readGroup(CmsUUID)	* unlockResource(String)
* readGroup(String)	* userInGroup(String, String)
* readProject(int)	* validatePassword(String)
* readProject(String)	* writeProperty(String, String, String)
* readProjectView(int, int)	* writeProperty(String, String, String, boolean)
* readProperties(String)	* writeStaticExportPublishedResource(String, int, String, long)
* readProperties(String, boolean)	
* readProperty(String, String)	
* readProperty(String, String, boolean)	
* readProperty(String, String, boolean, String)	
* readPropertyDefinition(String)	
* readPropertyObject(String, String, boolean)	
* readPropertyObjects(String, boolean)	
* readPublishedResources(CmsUUID)	
* readResource(String)	
* readResourcesWithProperty(String)	
* readResourcesWithProperty(String, String)	
* readResourcesWithProperty(String, String, String)	
* readStaticExportPublishedResourceParameters(String)	
* readStaticExportResources(int, long)	
* readUser(String)	
* readUser(CmsUUID)	
* readUser(String, String)	
* readUser(String, int)	
* readWebUser(String)	
* readWebUser(String, String)	
* removeUserFromGroup(String, String)	
* renameResource(String, String)	
* restoreResourceBackup(String, int)	
* rmacc(String, String, String)	
* setDateExpired(String, long, boolean)	