

# Using IBM WCM API To Create A Project Off of an Existing Project Template

## Scope

This document illustrates the code required to create a project using WCM API.

## Implementation

Retrieve the Project Service

**Description:** ProjectService enables access to the WCM API through Portal services.

```
public WcmProjectService getProjectService() {
    WcmProjectService service = null;
    try {
        InitialContext ctx = new InitialContext();
        service = (WcmProjectService) ctx.lookup("portal:service/wcm/WcmProjectService");
    } catch (Exception e) {
    }
    return service;
}
```

Create project

**Description:** After retrieving the Project Service, we can now start creating the project. Assumption here is there is a project template that we will use to create the project.

The code first retrieves the ProjectTemplate using Query Service, then uses the ProjectService & ProjectTemplate to create the project.

```
public Project createMyProject(String projectId, String templateName) {
    Project project = null;
    try {
        WcmProjectService service = getProjectService();
        DocumentId<? extends Document> projectTemplateId = null;
        // Retrieve the project template
        if (templateName != null) {
            QueryService queryService = ws.getQueryService();
            Query query = queryService.createQuery(ProjectTemplate.class);
            query.addSelectors(Selectors.nameEquals(templateName));
            query.returnIds();
            ResultIterator<DocumentId<? extends Document>> results =
            queryService.execute(query);
            if (results.hasNext()) {
                projectTemplateId = results.next();
            }
        }
    }
}
```

```

    if (projectTemplateId != null) {
        project = service.createProject(ws, projectTemplateId);
    } else {
        project = service.createProject(ws);
    }
    project.setName(projectId);
    project.setTitle(projectId);
    service.saveProject(ws, project);
    ws.setProjectId(project.getId());
} catch (Exception e) {
    project = null;
}
return project;
}

```

Add content to the recently created project

**Description:** Now you can add content to the created project. The ProjectService will be used to add content to the project.

```

public boolean addContentToProject(Project project, WorkflowedDocument doc, boolean
saveProject) {
    // Project project = getProject(projectId);
    boolean isAdded = false;
    WcmProjectService wcmProjectService = null;
    if (project == null) {
        return false;
    }
    try {
        if (wcmProjectService == null) {
            wcmProjectService = getProjectService();
        }
        wcmProjectService.addItemToProject(ws, project, doc);
        if (saveProject) {
            wcmProjectService.saveProject(ws, project);
        }
        isAdded = true;
    } catch (Exception e) {
    }
    return isAdded;
}
}

```