Workflow Engine Service
MWF Integration

Jumbo Yang

What is MWF

- MWF: Myworldflow
  (http://www.myworldflow.com)
  - A Workflow Engine runs in the cloud as a service, no local installation is required.
  - Can be used remotely to drive either human-oriented workflow or computer-oriented business process.
  - Business data is kept on local side
  - Provide Restful API, and GUI workflow designer, can be integrate into any application with any modern language.

How to use MWF

Your Application

ERP

CRM

Enterprise Application

Mobile Application

Internet Application

Restful API

Restful API

Restful API

MyWorldflow
Workflow as a Service

MWF is running in the cloud, it take the role as a workflow driver only while you can keep business data in your own business boundary securely.
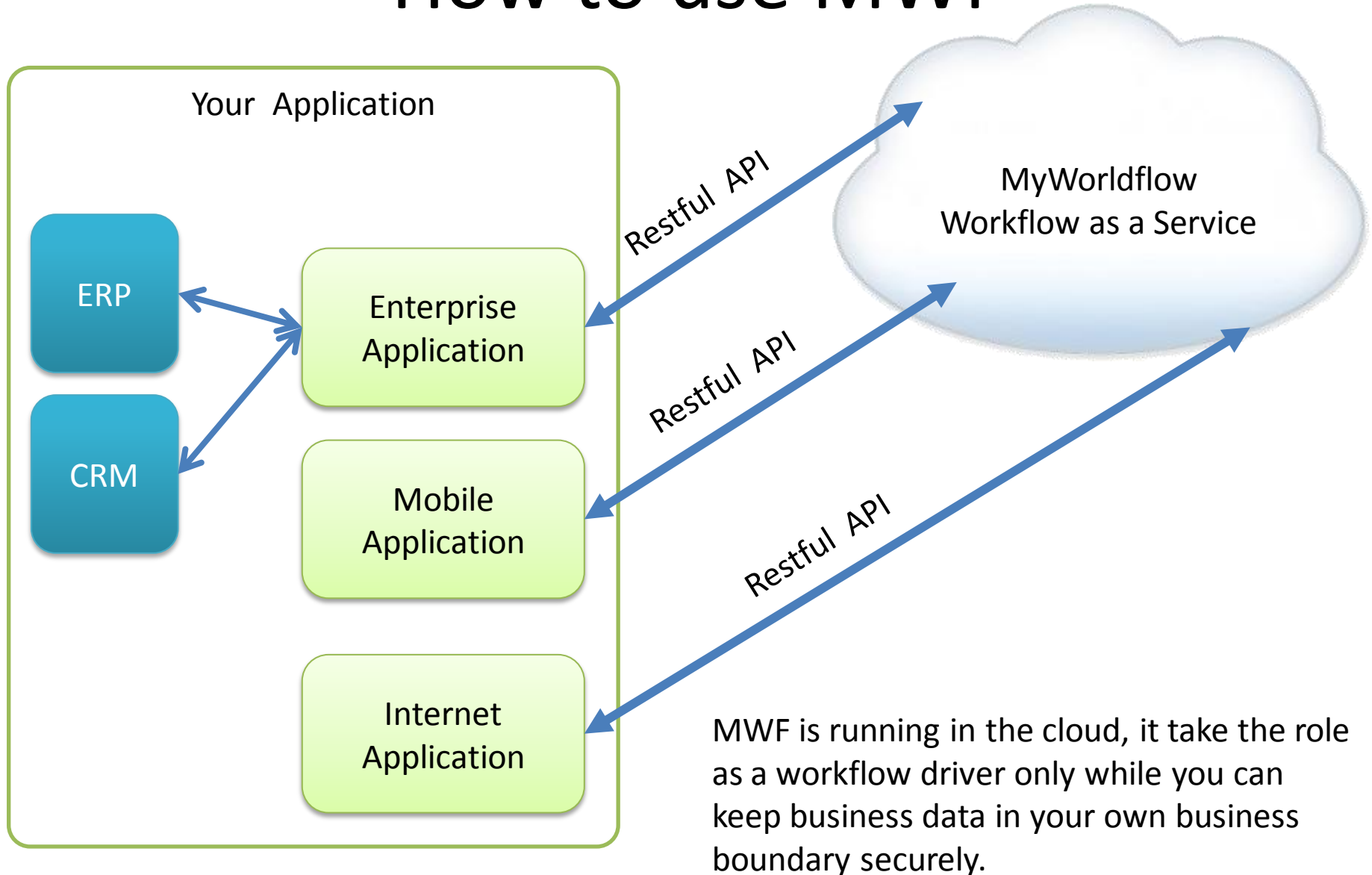
What you can do with MWF API

- Start a workflow
- Get user's work list, get a work item
- Finish a task with user input
- Integrate with other application by Java or Web services written in any language.
- Get and modify workflow process contextual values
- Check workflow status
- …

# How to design workflow template

- MWF provides a WYSIWYG GUI workflow template designer.

- You may use it on MWF demo site.

Scenario: Vacation Application

- Employee apply vacation leave.
- Manager approve the application
- If the application is rejected, employee have the opportunity to re-apply.
- The same workflow can be used by anyone, but the approver is different, in department A, the approver is Mr. John, in department B, the approver is Mr. Smith.

Workflow Template Design

In myworldflow, design a workflow template like this
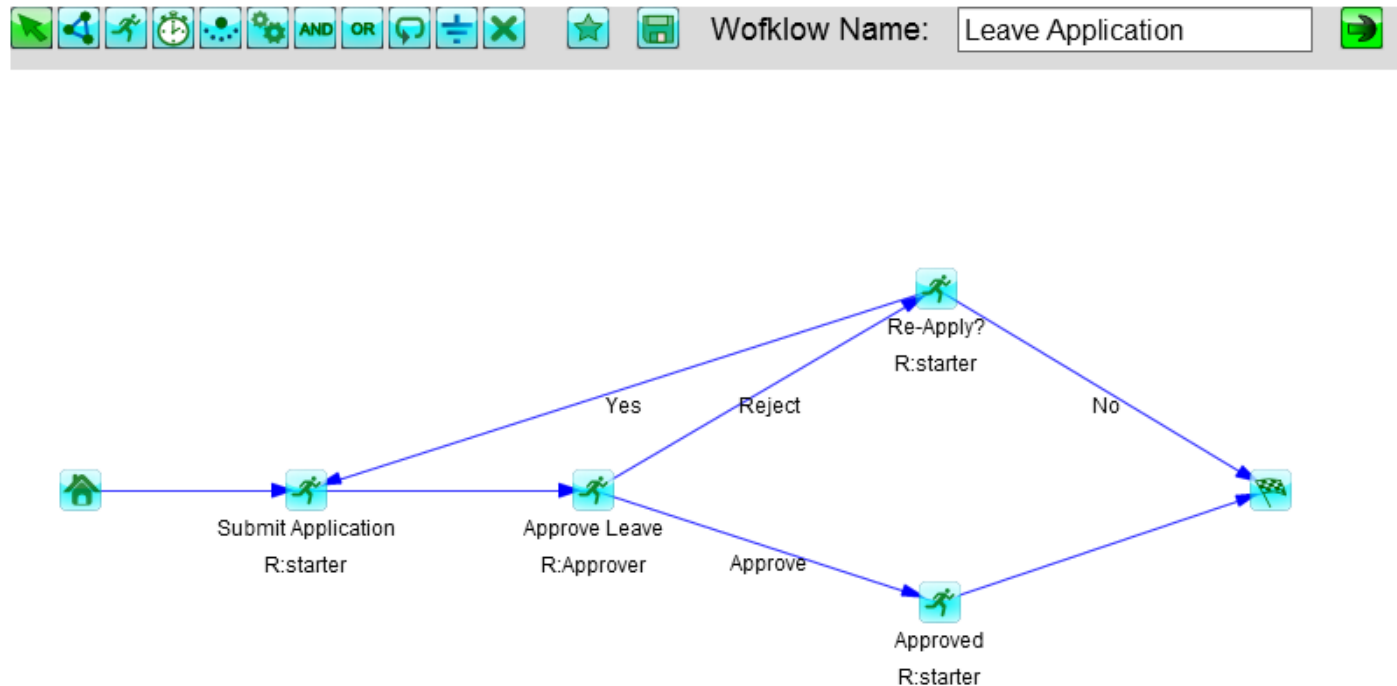
Create teams for different department

String teamA = client.createTeam(accessKey, "departmentA", "team of department A");

String teamB = client.createTeam(accessKey, "departmentB", "team of department B");

Add team members

```
JSONObject mbrsA = new JSONObject();

mbrsA.put("john", "Approver");

client.addTeamMembers(accessKey, teamA,
    mbrsA.toJSONString());

JSONObject mbrsB = new JSONObject();

mbrsB.put("smith", "Approver");

client.addTeamMembers(accessKey, teamB,
    mbrsB.toJSONString());
```

Start the workflow for TeamA

```
String prcid = client.startWorkflow(accessKey,
    "MYUSRID", "WORKFLOW_TEMPLATE_ID",
    teamA, "testProcess_5");
```
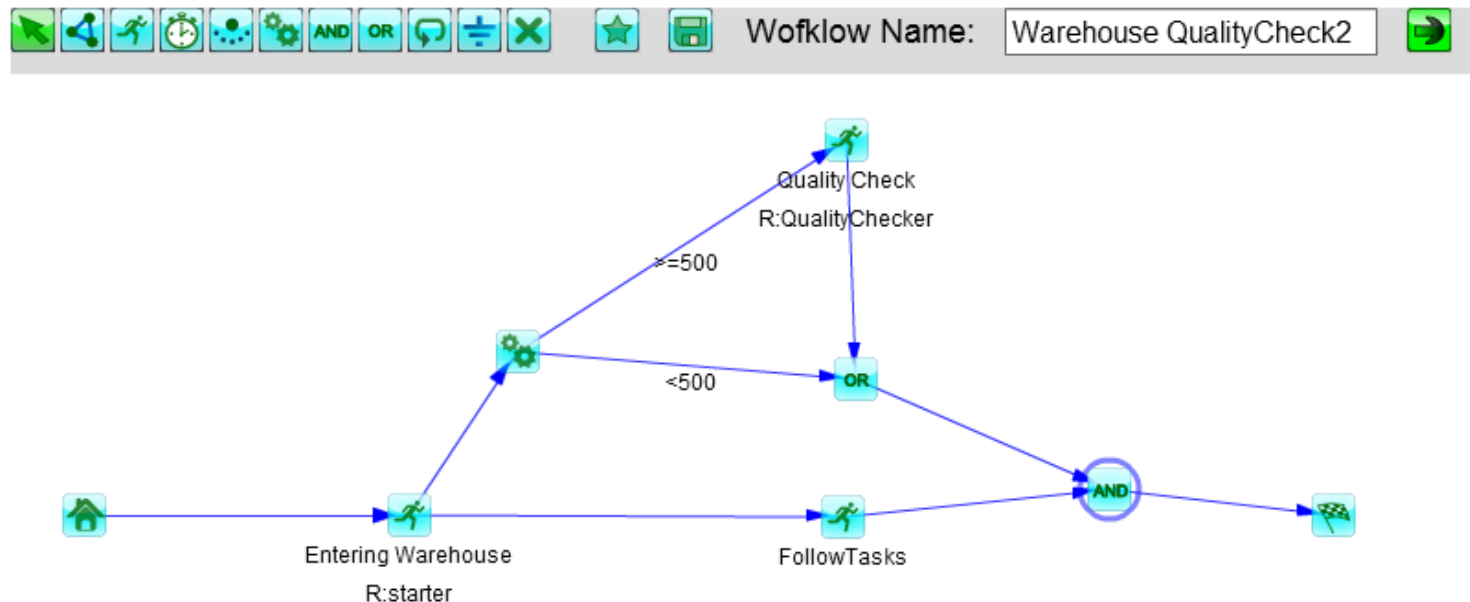
//Replace MyUSERID with the current userid.

//Replace WORKFLOW_TEMPLATE_ID with the id of previously created workflow template

Scenario: Quality Check

- Goods entering warehouse by batch.
- Quality check is required but not for every batch, but only when the number of items is more than 500.

Workflow Template Design

References

- My World Flow Tutorials
- http://www.myworldflow.com/cflow/tutorial/videos.htm
- http://www.myworldflow.com/cflow/tutorial/help_and_tutorials.html