Tiple Server

Tiple Server provides a REST API to TRIRIGA's metdata structure. It powers the Tiple Inspector browser extension.

# Installation

Import the tiple-server-<version>-ompkg.zip OM package.

# Endpoints

/html/en/default/rest/Tiple/version:

Retrieves the Tiple Server build and version information.

Sample response:

{  
 "tags": "",  
 "branch": "master",  
 "dirty": "true",  
 "remoteOriginUrl": "gogs@gogs.sterling.nithinphilips.com:nithin/tiple.git",  
 "commitId": "d9ec67d23dfef68de2a592316051f2f702e9cb8f",  
 "commitIdFull": "${git.commit.id.full}",  
 "commitIdAbbrev": "d9ec67d",  
 "commitIdDescribe": "d9ec67d-dirty",  
 "commitIdDescribeShort": "d9ec67d-dirty",  
 "commitUserName": "Nithin Philips",  
 "commitUserEmail": "nithin@nithinphilips.com",  
 "commitMessageFull": "Additional field info like formula, list type etc.",  
 "commitMessageShort": "Additional field info like formula, list type etc.",  
 "commitTime": "05.04.2017 @ 02:22:13 EDT",  
 "closestTagName": "",  
 "closestTagCommitCount": "",  
 "buildUserName": "Nithin Philips",  
 "buildUserEmail": "nithin@nithinphilips.com",  
 "buildTime": "05.04.2017 @ 15:36:37 EDT",  
 "buildHost": "Hera",  
 "buildVersion": "1.0-SNAPSHOT"  
}

/html/en/default/rest/Tiple/form/by-specid/<spec-id>:

Retrieves information about a form using the given record ID.

See /html/en/default/rest/Tiple/form/by-id/<bo-id>/<form-id> below for sample response.

/html/en/default/rest/Tiple/form/by-id/<bo-id>:

Retrieves information about a form using the given business object ID. The default form for the business object is selected.

See /html/en/default/rest/Tiple/form/by-id/<bo-id>/<form-id> below for sample response.

/html/en/default/rest/Tiple/form/by-id/<bo-id>/<form-id>:

Retrieves information about a form using the given business object and form ID.

Abbreviated sample response:

{  
 "id": 10002361,  
 "name": "triEmployee",  
 "label": "Employee",  
 "defaultForm": true,  
 "showAssociationTab": true,  
 "showWorkflowInstanceTab": true,  
 "showAuditActionTab": true,  
 "showCalendarTab": true,  
 "tabs": [  
 {  
 "id": 1,  
 "tabName": "triGeneral",  
 "label": "General",  
 "information": "Required",  
 "instruction": "Manage general information about the employee.",  
 "sections": [  
 {  
 "id": 1553,  
 "parentSectionId": -1,  
 "sectionName": "triUserMessage",  
 "label": "Attention!",  
 "type": "General",  
 "queryId": "0",  
 "hidden": true,  
 "readOnly": true,  
 "fields": [  
 {  
 "id": 125,  
 "sequenceId": 1144,  
 "name": "triUserMessageTX",  
 "section": "Detail",  
 "label": "Attention!",  
 "type": "Text"  
 }  
 ]  
 },  
 {  
 ...  
 "fields": [  
 ...,  
 {  
 "id": 5,  
 "sequenceId": 1189,  
 "name": "triLastNameTX",  
 "section": "Detail",  
 "label": "Last Name",  
 "type": "Text",  
 "required": true,  
 "fieldAction": {  
 "id": 1,  
 "tabId": 1,  
 "sectionId": 5,  
 "label": "onChange",  
 "workflow": "triPeople - On Change - Update Name in the Profile Upon Name Change",  
 "workflowId": 48532547  
 }  
 },  
 ...,  
 {  
 "id": 128,  
 "sequenceId": 1156,  
 "name": "triNameTX",  
 "section": "Detail",  
 "label": "Full Name",  
 "type": "Text",  
 "formula": "First Name+<space>+Last Name",  
 "formulaParameters": {  
 "First Name": "[FIELD][{SECTION}{General}{triFirstNameTX}]",  
 "Last Name": "[FIELD][{SECTION}{General}{triLastNameTX}]"  
 }  
 },  
 ...  
 ]  
 },  
 {  
 ...  
 "actions": [  
 {  
 "id": 2,  
 "tabId": 1,  
 "sectionId": 1554,  
 "label": "Clear",  
 "type": "Smart Section Sys Action"  
 },  
 {  
 "id": 1,  
 "tabId": 1,  
 "sectionId": 1554,  
 "label": "Find",  
 "type": "Smart Section Sys Action",  
 "popupSource": "triEmployee - Find",  
 "popupSourceId": 20508  
 }  
 ]  
 },  
 ]  
 },  
 {  
 "id": 14,  
 "tabName": "triHistory",  
 "label": "History",  
 "information": "Summary",  
 "instruction": "Move Log and Project Experience information for the employee.",  
 "sections": [  
 ...,  
 {  
 "id": 1586,  
 "parentSectionId": -1,  
 "sectionName": "triHistory",  
 "label": "History",  
 "type": "MultiTab",  
 "queryId": "0",  
 "multiTabSections": [  
 {  
 "id": 1587,  
 "parentSectionId": 1586,  
 "sectionName": "triMoveLog",  
 "label": "Move Log",  
 "type": "Query",  
 "queryName": "triMoveLog - Move Log for People and Asset History ",  
 "queryId": "19466",  
 "readOnly": true,  
 "associationType": "Has Move Log",  
 "selectAssociationType": "Selected"  
 },  
 ...  
 ]  
 }  
 ]  
 },  
 ],  
 "actions": [  
 {  
 "currentState": "null",  
 "action": "triActivate",  
 "label": "Activate",  
 "nextState": "triReview",  
 "defaultDisplay": true,  
 "closeScreen": true  
 },  
 ...  
 ]  
}

/html/en/default/rest/Tiple/workflow/source-of/103211784:

Retrieves information about the source workflow given a workflow instance ID.

{  
 "id": 10501711,  
 "version": 55,  
 "name": "triPeople - Synchronous - Validate Permanent Save",  
 "moduleId": 7,  
 "moduleName": "triPeople",  
 "instanceId": 103211784  
}

/html/en/default/rest/Tiple/metadata/all:

A list of Modules, BOs and Forms -- the result is hierarchical

/html/en/default/rest/Tiple/metadata/modules:

A list of Modules

/html/en/default/rest/Tiple/metadata/modules/{moduleId}:

A specific module with matching ID

/html/en/default/rest/Tiple/metadata/modules/{moduleId}/businessobjects:

A list of business objects in a module

/html/en/default/rest/Tiple/metadata/modules/{moduleId}/businessobjects/{businessObjectId}:

A specific business object with matching ID

/html/en/default/rest/Tiple/metadata/modules/{moduleId}/businessobjects/{businessObjectId}/forms:

A list of forms in a module -> business object

/html/en/default/rest/Tiple/metadata/modules/{moduleId}/businessobjects/{businessObjectId}/forms/{formId}:

A specific form with matching ID

/html/en/default/rest/Tiple/metadata/workflows:

A list of all workflows

/html/en/default/rest/Tiple/metadata/workflows/{workflowId}:

A specific workflow with matching id

/html/en/default/rest/Tiple/modules/{moduleId}/workflows:

A list of all workflows in the given module

/html/en/default/rest/Tiple/modules/{moduleId}/businessobjects/{businessObjectId}/workflows:

A list of all workflows in the given module and business object

/html/en/default/rest/Tiple/modules/{moduleId}/businessobjects/{businessObjectId}/workflows/{workflowId}:

A specific workflow in the given module and business object

/html/en/default/rest/Tiple/metadata/reports:

A list of all reports

# Build

To build the project use make:

make all

To create distribution zip and OM package:

make dist

The dist target will make an OM package tiple-server-<version>-ompkg.zip in distribution zip file with the latest version of the jar patched in.

# Reporting Issues

Report any issues via email to <[nithin@nithinphilips.com](mailto:nithin@nithinphilips.com)>. Include the following:

1. Details about the problem
2. Expected result
3. Actual result
4. Output of http://<tririga-server>/html/en/default/rest/Tiple/version URL (Mandatory)