1. Skip lifecycle if object is checked out



1. Remove member and users utility

 

1. Business rule:
   1. Create xml files in loadfiles/businessRule
      1. Rule.xml
      2. ReleaseRule.xml
      3. Pre-releaseRule.xml
   2. Define the class for logic.
   3. To register business rule add property in service.properties.xconf file.

<Property name="wt.services/svc/default/com.ptc.core.businessRules.validation.RuleValidation/<Key used in businessRule>/null/0" overridable="true" targetFile="codebase/service.properties" value="<fully qualified className>/singleton"/>

* 1. Upload it using command:

windchill wt.load.LoadFromFile -d <path of ReleaseRuleset.xml> -u wcadmin -p wtadmin

or

windchill wt.load.LoadFromFile -d <path of ReleaseRuleset.xml> -CONT\_PATH "/wt.inf.container.OrgContainer=KB" -u wcadmin -p wtadmin



1. Preventing download access from listener

  

1. Upload custom ACL

 

1. Irev attribute increament



1. Get export of data models

**To Update changes on Prod or QA server, need to Export the updated Types and attribute from local or Dev server and import it on Prod or QA serer.**

**Steps to Export and Import attribuets:**

* **Create XML file at /loadfile/ DefinitionExporter.xml location with following format:**

<?xml version="1.0"?>

<!DOCTYPE NmLoader SYSTEM "standardX20.dtd">

<NmLoader>

<csvExportDefinition handler="com.ptc.core.lwc.server.TypeDefinitionExporter.beginExportDefinition">

<csvtoLocation>/opt/ptc/wt111/windchill/loadFiles/ext/kb/attribute\_export/</csvtoLocation>

<csvtoFileName>refAttributeExport.xml</csvtoFileName>

<csvexportDefClass>com.ptc.core.lwc.server.LWCTypeDefinition</csvexportDefClass>

<csvexportNames>com.ptc.ReferenceDocument</csvexportNames>

<csvmode>0</csvmode>

<csvExportAncestorTypes>false</csvExportAncestorTypes>

</csvExportDefinition>

</NmLoader>

* **Run command to export the specific Type**
  + windchill wt.load.LoadFromFile -d <filepath>/DefinitionExporter.xml -u <userID> -p <password>
* It will create number of xml at the given location in <csvtoLocation> tag
  + Run the following command from a Windchill shell on the target system to import the type and attribute definitions:
  + windchill wt.load.LoadFromFile -d <exported\_dir>\<loadfile> -u <userID> -p <password>



1. change Part type tool:

Set Part type using deprecated api-





Set part type Using latest api (PersistableAdapter):



Query to get all parts of particuler type of from particular organization:



1. BusinessAlgorihm

Utility to test businessAlgo

 

1. Preference load and delete:

 

1. Custom logs generation for webservices

To generate logs automatically for whole day after webservice trigger

 

1. uploadXML



1. Add new value in model attribute
2. Run command enumCustomize and add a value in rbinfo file.
3. In my case enumCustom was not working so made a changes manually in file:

**\wtCustom\com\ptc\windchill\mpml\pmi\MPMStandardCCCategoryRB.rbInfo**

Added value in dropdown as key.value=What should be in display

**grease\_controller.value=Grease Controller**

then run commands,

**rm codebase/com/ptc/windchill/mpml/pmi/MPMStandardCCCategoryRB.RB.ser**

**ant -f bin/tools.xml bundle\_custom -Dbundle.forceCompile=true -Dbundle.input=registry**

**ant -f codebase/MakeJar.xml**

then add the key in legal value list of control characteristic type.



And check by performing below unit test.

