

**Samples of Windchill Development & Administration
(Including Install, Implementation & Configuration):**

Please “Click” or “Ctrl+Click” simultaneously to activate/open hyperlinks below.

Many samples of Windchill development can be found on my site @:

http://www.datajett.com/windchill/wc_dev

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JSP/JAVA to auto download DRW PDF or PLT from EPMDocument
Product/Folder page or individual details/info page.

Actions Menu options added “Download DRW PDF or PLT”.

http://www.datajett.com/windchill/wc_dev/Download_PDF_or_PLT.zip

Readme file included, which details full install/configuration for actions xml,
resource bundle file (.rbInfo), etc.

The tool is configurable to allow user to download the PDF/PLT to their
choice of folder location or change JSP to set download folder (C:\TEMP).

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Latest Windchill 9.X WCA (Windchill Client Architecture) Sample:

http://www.datajett.com/windchill/wc_dev/AttributesReport/AttributesReport.zip

It should be placed in your IE (InfoEngine) JSP folder:
<WT_HOME>\codebase\infoengine\jsp\ or sub folder of choice (ext).

AttributesReportRad_1.0.jsp is the latest/most enhanced version.
The program uses WCA & its new UI tag libraries for radio buttons
& table (jca:getModel & jca:renderTable).

Its functionailly is to allow selection (radio buttons) of any/all windchill
object types & display with the new WCA table renderer. Mainly for
windchill development/admin usage. But shows usage of the new WCA.

A quick code look can be seen with this linked text file:

http://www.datajett.com/windchill/wc_dev/AttributesReport/AttributesReportRad_1.0.jsp.txt

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attr2name = windchill java method to query &/or rename windchill name attribute to be the same as another existing proe/windchill attribute. Some firms have had name & number same (after migration or such), where they actually prefer the object/model name attribute to be more descriptive of what the part/assy does.

So this program allows an admin to change object/model name attribute to be the same as a more descriptive attribute, such as TITLE or DESCRIPTION.

Here is the readme link on how command line usage:

http://www.datajett.com/windchill/wc_dev/attr2name/attr2name_readme.txt

Here is the java file link:

http://www.datajett.com/windchill/wc_dev/attr2name/attr2name.java

Here is the zip full of java, readme, class, etc:

http://www.datajett.com/windchill/wc_dev/attr2name/attr2name.zip

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Windchill java method & wvs.properties settings to mass ProductView Publish (through representations scheduler) by particular LifeCycle State. All Released or Prototype LifeCycle States. Adjust code if other states are desired.

http://www.datajett.com/windchill/wc_dev/Publish/ScheduleJobsExt.zip

http://www.datajett.com/windchill/wc_dev/Publish/ScheduleJobsCustom.zip

http://www.datajett.com/windchill/wc_dev/Publish/ScheduleJobsExt.java

http://www.datajett.com/windchill/wc_dev/Publish/ScheduleJobsExt.txt

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JSP to show all Windchill Oracle tables & columns:

It should be placed in your IE (InfoEngine) JSP folder:

<WT_HOME>\codebase\infoengine\jsp\ or sub folder of choice (ext).

JSP included in downloadable zips:

Windchill 9.X download:

http://www.datajett.com/windchill/wc_dev/dbtbl_wc9/dbtbl_wc9.zip

To view WC9.X html sample:

http://www.datajett.com/windchill/wc_dev/dbtbl_wc9/dbtbl_wc9_01.htm

Windchill 8 download:

http://www.datajett.com/windchill/wc_dev/dbtbl_wc8/dbtbl_wc8.zip

To view WC8 html sample:

http://www.datajett.com/windchill/wc_dev/dbtbl_wc8/dbtbl_get02_out.htm

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LifeCycle reAssign.jsp (webobjects – Query-Objects, LifeCycle-History) to reassign LifeCycle & LC State for many multiple windchill object types (epmdoc, wtdoc, wtpart, PRI/ECR/ECN/Chg Activity, etc). Allows for container selection (product, library or project) at multiple levels (Site/Org). It should be placed in your IE (InfoEngine) JSP folder:
<WT_HOME>\codebase\infoengine\jsp\

http://www.datajett.com/windchill/wc_dev/reAssignLC_1.1.zip

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Change Management Reporting Tool:

Java command line method & JSP to Html Reporting:

Zip (with java source, classes & jsp): [cmReport16.zip](#)

Sample Html Output Report: [Change Management Reporting.htm](#)

Sample PDF Output Report: [Change Management Report.pdf](#)

(Program does not output PDF)

Instructional Page: http://www.datajett.com/windchill/wc_dev/cmReport.htm

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Here is a windchill java method to create list of EPMDocuments (cad objects) & show each of their Version (Revision.Iteration):

http://www.datajett.com/windchill/wc_dev/epmList/epmList_1B.java

It creates/exports a empList.csv file or can output to shell, or txt file

http://www.datajett.com/windchill/wc_dev/epmList/epmList_1B.csv

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Here is a windchill java method to download EPMDocuments (cad objects):

http://www.datajett.com/windchill/wc_dev/epmDown.java

windchill epmDown <content type> <download path > <number search string>

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Here is a windchill java method to gather EPMDocument (cad objects)

Attributes & write to a "number".dat (info) file:

http://www.datajett.com/windchill/wc_dev/getEpmContents.java

windchill getEpmContents <epmdoc type> <download path> <number search string>

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Windchill Database Object Rename Program (Command Line Java Method):

Can rename whole windchill database epm-doc & wtpart objects:

Rename project:

http://www.datajett.com/windchill/wc_dev/lj_cust/ObjMan_06.zip

Some companies choose to auto truncate the extension on their cad data files (epm-docs) & wtparts, through ini file settings:

<WT_HOME>\codebase\com\ptc\windchill\cadx\cfg\default\cadxhtmlui.ini

UploadDropNameFileExtension=true

UploadDropNumberFileExtension=true

AutoAssociateDropNameFileExtension=true

AutoAssociateDropNumberFileExtension=true

This tool was generated to rename existing whole windchill database & all it's objects *epm-doc & wtparts number fields, prior to changing to truncate method as described above:

Command line (to query objects 1st):

```
java lj_cust.ObjMan_06 -qb %.DRW
java lj_cust.ObjMan_06 -qb %.ASM
java lj_cust.ObjMan_06 -qb %.PRT
```

Command line (to rename objects 1st):

```
java lj_cust.ObjMan_06 -rb %.DRW
java lj_cust.ObjMan_06 -rb %.ASM
java lj_cust.ObjMan_06 -rb %.PRT
```

run program without arguments to see Usage:

```
java lj_cust.ObjMan_06
```

The rename program will rename all data files/objects that previously contained file extensions.

It renames windchill epm-doc (drw, prt, asm) & wtpart objects to truncate the extension of the windchill oracle number field.

from: xxx1.prt, xxx2.asm & xxx?.drw

to: xxx1, xxx2 & xxx?.D

(can be modified to a different extension for drawings = _D, ???)

Some firms link to name their asm & prt files the same for integrated/inseparable parts. This program will rename the .PRT to .P, so there is no duplicate objects numbers:

http://www.datajett.com/windchill/wc_dev/lj_cust/PA_Ren_06.java

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Windchill, Oracle or Intralink JSP SQL Query Tool for standard info:

WTPARTMASTER, WTDOCUMENTMASTER, WTORGANIZATION, EPMWORKSPACE, WFPROCESS, CONTAINERTEAM, WTGROUP, WTLIBRARY, WTUSER, etc.

Download JSP to Query Windchill/PdmLink, Oracle or Intralink DB.

It should be placed in your IE (InfoEngine) JSP folder also:

<WT_HOME>\codebase\infoengine\jsp

http://www.datajett.com/windchill/wc_dev/jsp/dbjett_jsp.zip

Java Command Line Method to SQL Query of a Windchill, Oracle or Intralink Database. Used to query windchill/oracle/IntraLink for standard info (same as above JSP Query, but this is a java application & output can go to html, txt (text), csv, etc):

Open Instructional & download Page:

<http://www.datajett.com/windchill/DBJettJT/DBJettJT.htm>

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Customized workflows:

http://www.datajett.com/windchill/wc_dev/workflow/cust_wf.htm

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Query LifeCycle States:

Simple java class to query lifeCycle states:

http://www.datajett.com/windchill/wc_dev/lj_cust/lifecycleState.java

http://www.datajett.com/windchill/wc_dev/lj_cust/lifecycleState.class

Example:

wt.lifecycle.State[0]: ACCEPTED
wt.lifecycle.State[1]: APPROVED
wt.lifecycle.State[2]: ASSEMBLY
wt.lifecycle.State[3]: ASSIGNED
wt.lifecycle.State[4]: CANCELLED
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Java to query most Windchill Object types: WtOrganization, WtPartMaster, EPMDocumentMaster, WtDocument, WtContainer, WfProcess, ApplicationData

http://www.datajett.com/windchill/wc_dev/lj_cust/LJ_Objects_05.class

http://www.datajett.com/windchill/wc_dev/lj_cust/LJ_Objects_05.java

java lj_cust.LJ_Objects_05

WtPart - Number: GC000002 - Name: LEG

WtPart - Number: GC000003 - Name: LEFT_ACTUATOR

.....

Number of WtPartMaster Objects: 58

EpmDoc - Number: 00000001 - Name: xxx.prt
EpmDoc - Number: 00000002 - Name: yyy.asm

.....

Number of EPMDocument Objects: 201

WtDocument - Number: 0000000042 - Name: wtpart_sql_chk.csv
WtDocument - Number: 0000000043 - Name: wtpart_sql_chk2.csv
WtDocument - Number: 1234.doc - Name: 1234.doc

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Number of WTDocument Objects: 14