

HNI_change_owner

a DBA utility to change ownership of a set of Items and revisions

Created by: Mark Hoover

Hoover & Nebrig, Inc

mark@HooverNebrig.com

Version: 3.0 January 26, 2010 8:09 AM

Revision	Date	Comments
1	April 29, 2000	Genesis
2	April 29, 2000	Added license terms
3	January 25, 2010	Ported for Teamcenter 8.1

Table of Contents

Overview	1
Why does this program even exist?	1
License	2
Synopsis	2
Environment	3
Restrictions	3
Compiler switches	3
Compiling the Program on Windows XP	3
Sample Output from a successful run	4
Sample Output from a failed run	6

Overview

Why does this program even exist?

The HNI_change_owner utility allows you to change the Owning User and Owning Group of all items or revisions in a folder or passed as arguments on the command line. Only Items and Item Revisions are processed. The attachments to the Item Revisions are processed according to the switches passed on the command line. This utility was originally developed before iMAN provided a user interface to easily change the ownership of an object.

With the advent of Teamcenter Unified Architecture, there are now Out of the Box tools for changing the ownership of objects, but some users still have the desire to do this in bulk mode. Also, this program is provided with complete source as a learning tool for those who desire to begin programming ITK.

For each item, the Item, BOMView, all Revisions, will be processed. For each Item Revision processed the BOMView Revision and all datasets attached with the input relationships will be processed.

Item Master Forms, Revision Master Forms are controlled by compiler switches for your site.

This program is run on bypass, so released data can be changed as well. The modified date on all objects will be changed.

If for some reason the ownership cannot be changed on any object associated with the Item or Revision, the entire Item or Revision will be rolled back (not changed).

If any of the arguments contain a space, the string must be enclosed in double quotes.

License

This program is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Synopsis

```
HNI_change_owner [-h] [-u=<user> -p=<password> -g=<dba>]
[[ -item=<item id>] | [-item=<item id>] [-rev=<rev_id>]
| -folder=<folder name>]] [-spec] [-man] [-alt] [-ref] [-req]
-owner=<new owning userid> -group=<new owning group name>
[-dryrun]
```

Arguments

-h	Help
-u=<user>	User Id.
-p=<password>	Password.
-g=<group>	Group.
-folder=<name>	Name of folder to process.
-item=<item id>	Item Id to process.
-rev=<rev id>	Item Revision Id to process.
-spec	Process specification attached datasets.
-man	Process manifestation attached datasets.
-alt	Process altrep datasets.
-ref	Process reference attached datasets.
-req	Process requirement attached datasets.
-owner=<userid>	New owning userid.
-group=<group name>	New owning group name.
-dryrun	If set, the program dry runs and nothing is actually changed

Environment

A proper Teamcenter environment must be set in the command window before running the utility.

Restrictions

The user must log into the DBA group either by default or on the Command line. The new owning user and group must already exist in the system. If **-folder** is used then there can only be one folder in the entire Teamcenter system by that name.

Compiler switches

If for some reason your site does not want Master forms changed, you may the site may define the C preprocessor directives: **SKIP_ITEM_MASTER_FORM** and/or **SKIP_REVISION_MASTER_FORM**

These specific compiler conditions will be indicated at run time by the strings:

```
Form Data Class will be processed
```

```
Item Revision Master form will not be processed
```

```
Item Master form will not be processed
```

Compiling the Program on Windows XP

After setting the complete iMAN environment the source can can be compiled by executing the following command:

```
%TC_ROOT%\sample\compile *.c
```

The program can then be linked by executing the following command :

```
%TC_ROOT%\sample\linkitk -o HNI_change_owner *.obj
```

Sample Output from a successful run

```
HNI_change_owner -u=homey -g=dba -p=clown -folder=MARKTEST  
-owner=mary -group=user -spec -man -ref -req -alt
```

```
HNI_change_owner [8.1]  
Build Date : Jan 25 2010 15:56:31  
Copyright (C)2000-2010 Mark Hoover
```

```
HNI_change_owner comes with ABSOLUTELY NO WARRANTY;  
for details refer to the GNU LESSER GENERAL PUBLIC LICENSE  
Version 2.1, February 1999  
Using init module
```

```
Input Arguments:  
  new owner          = mary  
  new owning group  = user  
  folder name       = MARKTEST  
  item id           = none  
  revision          = none  
  specifications    = yes  
  manifestations    = yes  
  references        = yes  
  requirements      = yes  
  altreps           = yes
```

```
Checking folder : MARKTEST ... folder OK  
2 Items in folder
```

```
Selecting item PARENT.  
Selecting the item master form.  
Selecting 1 revisions.  
Item Markpoint set.
```

```
Selecting revision A.  
Selecting the item revision master form.  
Selecting 1 Specifications.  
Changing ownership of revision and its attachments  
Revision Markpoint set.
```

```
PARENT/A          ItemRevision Master OK  
PARENT/A          ItemRevision OK  
PARENT-A          UGMASTER OK
```

```
Success changing revision.  
Changing ownership of Item
```

```
PARENT           Item Master OK  
PARENT           Item OK  
PARENT/A        ItemRevision OK
```

```
Success changing item.
```

```
Selecting item HR000011.  
Selecting the item master form.  
Selecting 2 revisions.  
Item Markpoint set.
```

```
Selecting revision A.  
Selecting the item revision master form.  
Changing ownership of revision and its attachments  
Revision Markpoint set.
```

```
HR000011/A       Eng_HR Revision Master OK  
HR000011/A       Eng_HR Revision OK
```

```
Success changing revision.
```

Hoover & Nebrig, Inc

Selecting revision B.
Selecting the item revision master form.
Selecting 3 Specifications.
Changing ownership of revision and its attachments
Revision Markpoint set.

HR000011/B	Eng_HR Revision Master	OK
HR000011/B	Eng_HR Revision	OK
DRAWING	UGPART	OK
test	PRINT	OK
ugmgr_inch	UGMASTER	OK

Success changing revision.
Changing ownership of Item

HR000011	Eng_HR Master	OK
HR000011	Eng_HR	OK
HR000011/A	Eng_HR Revision	OK
HR000011/B	Eng_HR Revision	OK

Success changing item.
2 Revisions in folder

Selecting revision 1.
Selecting the item revision master form.
Selecting 2 Specifications.
Changing ownership of revision and its attachments
Revision Markpoint set.

SE12346/1	Eng_HR Revision Master	OK
SE12346/1-name of SE12346	Eng_HR Revision	OK
SE12346/1	SE Part	OK
12345	SE Part	OK

Success changing revision.

Selecting revision A.
Selecting the item revision master form.
Selecting 2 Specifications.
Changing ownership of revision and its attachments
Revision Markpoint set.

SE12345/A	Eng_HR Revision Master	OK
SE12345/A-name of SE12345	Eng_HR Revision	OK
SE12345/A	SE Part	OK
Draft1	SE Draft	OK

Success changing revision.

Selecting revision A.
Selecting the item revision master form.
Selecting 1 BVRs.
Selecting 1 Specifications.
Changing ownership of revision and its attachments
Revision Markpoint set.

SE_ASSY_1/A	Eng_HR Revision Master	OK
SE_ASSY_1/A-name of SE_ASSY_1	Eng_HR Revision	OK
SE_ASSY_1/A-view	view BOMView	Revision OK
abcde	SE SheetMetal	OK

Success changing revision.

Program completed successfully
Logging out

Sample Output from a failed run

```
HNI_change_owner -u=homey -g=dba -p=clown -folder=MARKTEST
                 -owner=mary -group=user -spec -man -ref -req -alt
```

```
HNI_change_owner [8.1]
Build Date : Jan 25 2010 15:56:31
Copyright (C)2000-2010 Mark Hoover
```

```
HNI_change_owner comes with ABSOLUTELY NO WARRANTY;
for details refer to the GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999
Using init module
```

```
Input Arguments:
  new owner           = mary
  new owning group   = user
  folder name        = MARKTEST
  item id            = none
  revision           = none
  specifications     = yes
  manifestations     = yes
  references         = yes
  requirements       = yes
  altreps           = yes
```

```
Checking folder : MARKTEST ... folder OK
2 Items in folder
```

```
Selecting item PARENT.
Selecting the item master form.
Selecting 1 revisions.
Item Markpoint set.
```

```
Selecting revision A.
Selecting the item revision master form.
Selecting 1 Specifications.
Changing ownership of revision and its attachments
Revision Markpoint set.
```

```
PARENT/A                                     ItemRevision Master Failed
```

```
Failure changing ownership of revision
Failure changing revision A
```

```
Selecting item HR000011.
Selecting the item master form.
Selecting 2 revisions.
Item Markpoint set.
```

```
Selecting revision A.
Selecting the item revision master form.
Changing ownership of revision and its attachments
Revision Markpoint set.
```

```
HR000011/A                                   Eng_HR Revision Master Failed
```

```
Failure changing ownership of revision
Failure changing revision A
2 Revisions in folder
```

```
Selecting revision 1.
Selecting the item revision master form.
Selecting 2 Specifications.
Changing ownership of revision and its attachments
```

Hoover & Nebrig, Inc

Revision Markpoint set.
SE12346/1

Eng_HR Revision Master Failed

Failure changing ownership of revision

Selecting revision A.
Selecting the item revision master form.
Selecting 2 Specifications.
Changing ownership of revision and its attachments
Revision Markpoint set.

SE12345/A

Eng_HR Revision Master Failed

Failure changing ownership of revision

Selecting revision A.
Selecting the item revision master form.
Selecting 1 BVRs.
Selecting 1 Specifications.
Changing ownership of revision and its attachments
Revision Markpoint set.

SE_ASSY_1/A

Eng_HR Revision Master Failed

Failure changing ownership of revision

Program completed with 5 errors
Logging out