



Meta-Archive

Meta-Update Archiving Solution

This presentation describes the Meta-Archive, the Meta-Update Archiving Solution.

It comprises Instructions for use and configuration as a **Quick Start Guide**..

Please see the Meta-Archive User's Guide for more details.

Software Tool House Inc.



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Release 5.71



Objectives





ITSM Archiving Pain Points

Complex

Not Documented

Hierarchical trees of records in many forms

Hidden Redundant References

OOTB Archive Tables

Archiving is single table based. There is no concept of the hierarchy that makes an ITSM request

Dependent tables must be handled as a unit. If a root-request is archived, child records need to be archived.

Building Archive Forms

Time consuming, manual effort in Developer Studio setting Archive properties.

Bespoke Tables

Adding additional tables presents more challenges.

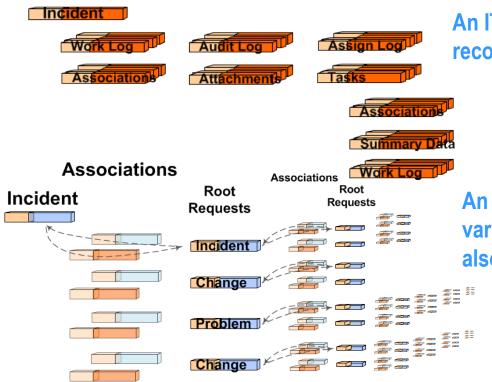
Validations Restores

Deletes can only be done if all elements of the tree are archived. This is next to impossible to achieve with other tools.

Restores of data are also next to impossible.



ITSM Archiving Requirements



An ITSM Incident is a complex tree of records in many forms and levels.

Archival must treat a single Root Request and its tree of records as one unit.

An ITSM Incident may be associated to a variety of other root requests. These are also associated to other root requests.

Only if *all* these requests are "archivable", can the original Incident be archived.



Meta-Update In a Nutshell

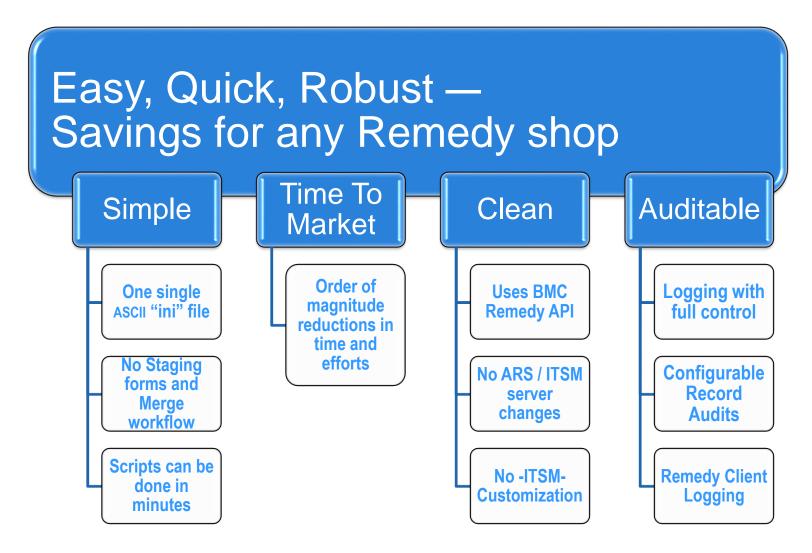
ETL – Extract Transform Load – Scripting tool

 Meta-Update allows any BMC Remedy administrator / developer to automate any ETL data operation – in record time.

> with no need for API or programming skills.

with no staging forms, no workflow, no customizations, no server changes.

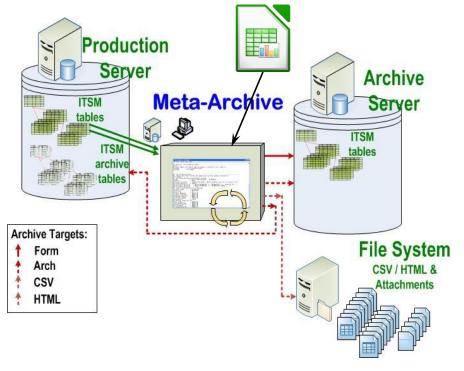






Introducing Meta-Archive

- Meta-Archive lets you configure your forms and archiving rules in an Excel spreadsheet.
- With Meta-Archive you can archive to a combination of targets: Archive forms on the same server, an ITSM on an Archive server, CSV files and HTML files.







Installation & Running

- Meta-Update must be licensed and installed for the Archive & Production servers.
- The Archiving scripts and config files are a separate zip file which must be expanded.

 Meta-Update\scripts\Meta-Archive*

You can fill in our Meta-Update

<u>Trial Request</u> form and participate
in our <u>Live Install</u> service.

Meta-Update will then be installed,
tested and ready for Archiving.

➤ Validate the configuration spread sheet for your ITSM release and environment. If you make changes, generate the CSVs.

You're Ready!



Meta-Archive Distribution

Туре	File Name	Expect Customer Configuration	Description
spreadsheet	Arch-Cfg-ITSM-810.xlsx cfg-arch-root.csv cfg-arch-tree.csv cfg-arch-assoc.csv cfg-arch-excl.csv	Yes Expected to be modified by customer.	This is the main configuration file used by Meta-Archive. You can use it to change the Archive table names, the ages for Archiving and Associations, to add your own tables, to disable modules of ITSM that you are not using. You may create copies for your different customers should they have differing retention requirements.
			It will automatically generate the CSV files when you are ready.
script	100-Arch-Cfg.ini	Yes	This script contains User configurations Config variables need to be reviewed and set
script	350-Arch- FormsAdmin.ini	No	This script builds all configured Archive forms. It is run once only per environment or when new forms are added to the configuration. It can be used to check the status of all Archive forms. It will skip any forms already built if run more than once.
script	500-Arch.ini	No.	This script performs archives. During the initial run, when there is a large backlog of records that must be archived, it is expected that Meta-Update Job Automation will be used to fire this script job. For testing of script or configuration changes, this script will be fired manually.



Meta-Archive Distribution

Туре	File Name	Expect Customer Configuration	Description
document	Meta- Update_Job_Automation _Users_Guide.pdf		Meta-Update Job Automation User Manual.
script	000-Jctl.ini	No	This script does Meta-Update Job Automation and controls series of Meta-Update jobs based on a Meta-Update Job Automation spreadsheet.
spreadsheet	Arch-Jobs-sample.xlsx	Yes Specific Job Breakup varies from Enterprise to Enterprise. This will need editing.	This is a sample Meta-Update Job Automation spreadsheet for Meta-Archive. It is expected that for the initial backlog run that this would be configured for the customer's specific data requirements. It is possible that a single job fired weekly or monthly can perform the Archive once the backlog is done. Then, no different spreadsheet will be needed for the monthly run. If the monthly volume is large enough, a different split-up of the jobs would be needed.
script - included files	000-Jctl-Sync.ini 910-Arch-CfgRd.ini 920-Arch-Assoc-Do.ini	No	These scripts are included by the scripts above.



Script Configurations

100-Arch-Cfg.ini



➤ The Archive script does NOT delete records as they are archived. This is to allow adequate testing.

```
Cfg,
            QryDateFormt
                            char:
                                     the Remedy Query Date format. One of:
                                     mdy | dmy | ymd
   Cfq,
            Del
                           bool:
                                     O No deletes; 1 deletes after a tree is archived
            SqlCtr
                                     0 Do not; 1 use SQL select count(*) queries to
   Cfg,
                           bool:
                                            avoid zero record Launches
                                     This should not normally be set off.
                           bool: 0 no error if no association cfg (skip assoc check)
   Cfg,
            NoAssocErr
                                  1 error: must have at least one association config
                                                                                   To change this, edit the
    Keep this off to prevent deletes during testing
            = Ref.
                                                                                   script so that the value of
@Cmd
                   Cfg,
                             Del.
    Adjust to one of "mdy", "dmy", "ymd" depending on your machines locale
                                                                                   Del is 1.
      and date formats and the formats that a Remedy query expects.
###
@Cmd
            = Ref, Cfg,
                            QryDateFormat, mdy
### This should not normally require adjustments
            = Ref, Cfq,
                             SqlCtr,
### If no associations are defined for a root request, turn this off else an error will be thrown
            = Ref, Cfq,
                            NoAssocErr,
@Cmd
```



Script Configurations

100-Arch-Cfg.ini



```
mdy | dmy | ymd
   Cfa,
           Del
                           bool:
                                    O No deletes; 1 deletes after a tree is archived
                                    0 Do not; 1 use SQL select count(*) queries to
           SqlCtr
   Cfq,
                           bool:
                                           avoid zero record Launches
                                    This should not normally be set off.
                                                                                 To change this, edit the
                                                                                script so that
                           bool: 0 no error if no association cfg (skip ass
   Cfg,
           NoAssocErr
                                 1 error: must have at least one association co
                                                                                 QryDateFormat is one of
                                                                                these three settings:
    Keep this off to prevent deletes during testing
                                                                                 "mdy", "dmy", "ymd".
           = Ref.
@Cmd
                    Cfa.
                            Del.
    Adjust to one of "mdy", "dmy", "ymd" depending on your machines locale
     and date formats and the formats that a Remedy query expects.
                            QryDateFormat, mdy
           = Ref. Cfa.
@Cmd
    This should not normally require adjustments
           = Ref, Cfq,
                            SqlCtr,
### If no associations are defined for a root request, turn this off else an error will be thrown
           = Ref, Cfq,
                            NoAssocErr.
@Cmd
```

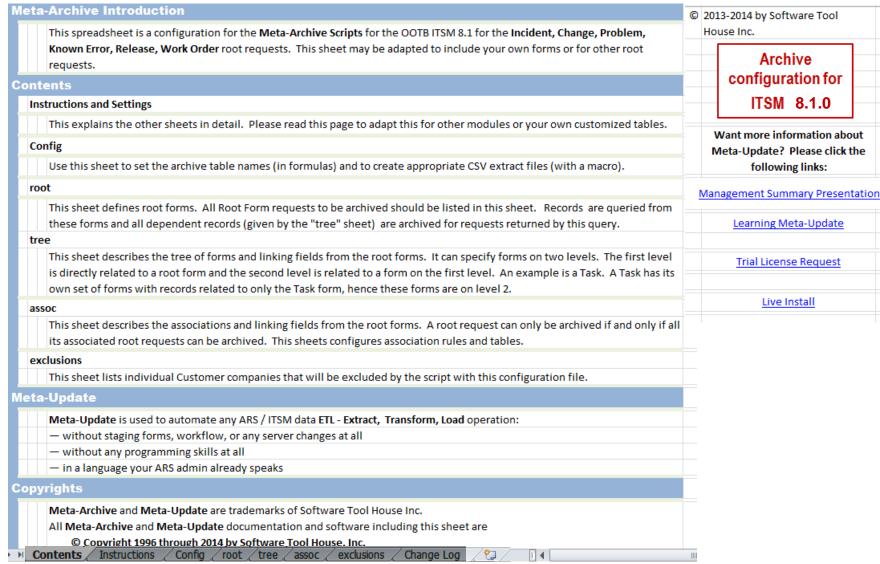


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Meta-Update Archive Configuration









Software Tool House Inc www.softwaretoolhouse.com **Instructions**

Meta-Update Archive Configuration



oot	Describes each "Root Request" such as Incidents, Problems, Changes, that participate in archiving.	assoc		Describes the root requests' associations to be validated as ready to be archived before archiving the root request.
Form	This is the name of the root request form. It is one of these forms that will be queried when an archive is run.	Root F	orm	One of the above forms in the root sheet.
Enable	Must be 1. It will be flagged as an error is not equal to 1.	Enable		If 1 will participate in the archive script. If 0, table ignored.
Delete Flag	Should be 1. No deletions of any kind will happen if the root's Delete Flag is not 1; records will still be archived.	Src Aso	Form	The Root Form's Association form.
Archive Qualification	A qualification that is appended to the archive qualification. It is used to restrict the records to be archived. It used as " and (qual)" in the query qualification. Use of "@date@" in the text will be replaced with the archive date age setting and the Date Field will not be used.	Tgt For	m	When Associated, the value and name of the associated root request form in the association record.
Age	Age of root requests eligible for archiving.	Src Tgt Value	Form	A value that in the above field of the Src Asc Form that indicates and association with the Src Tgt Form.
Company Field	If a root request can have customer company specific ages, this specifies the name of the field in the root request form that will contain the Company name on the Tenant Ages sheet.	Src Tgt Value	Form	A value that in the above field of the Src Asc Form that indicates and association with the Src Tgt Form.
ree	Describes the tree of forms making up a root request	Src Aso	ld Field	The field of the Src Asc Form that contains the source root request id.
Level	Must be 1 or 2	Age		Age of root requests eligible for archiving. Set to a formula copying root ages.
Root Form	One of the above forms in the root sheet.	Exclusion	s	Lists any companies that should be excluded from this Config file.
Source Form	The name of a child form of the Upper Form.	Compa	any	Required. If this configuation is for general use - that is a specific company's
Enable	If 1 will participate in the archive script. If 0, table (and all its children)			config file would have 'Company' = "x" added to all Root Queries - then exclude
Delete Flag	If this form is enabled and the Delete Flag set to 1 then records will be deleted			all companies that will be handled through their own config file.
Upper Form	If the level is 1, this form must equal the Root-Request form. If the level is 2 it must equal one of the level 1 source forms on a preceeding row.			
Source Field	The name of a field that will be queried and makes the dependency against the upper form - the upper form's value on the source form. A query is formed like: '\$Source Field\$' = "\$Upper Field\$".	General 1	ips	
Upper Field	The name of the upper form's field who's value will be in the dependent forms field. A query is formed like: '\$Source Field\$' = "\$Upper Field\$".	Handling di	ferent typ	pes of the same root requests
Archive Form	The name of the archive form for this Source form. The script, 350-ArchAdmin.ini will set and reset archive form properties to manage your archive forms according to this configuration sheet.			o different requirements for Incidents depending on the Incident Priority. For e Priority, you may want to archive after three years and for the rest after one
		differe compa	nt sets of	to do this is to save two different copies of this spreadsheet and generate two CSVs with the qualifications being changed to exclude and include the special is, add the text "'Priority' = "xxx"" and 'Priority'!= "xxx" to the incident

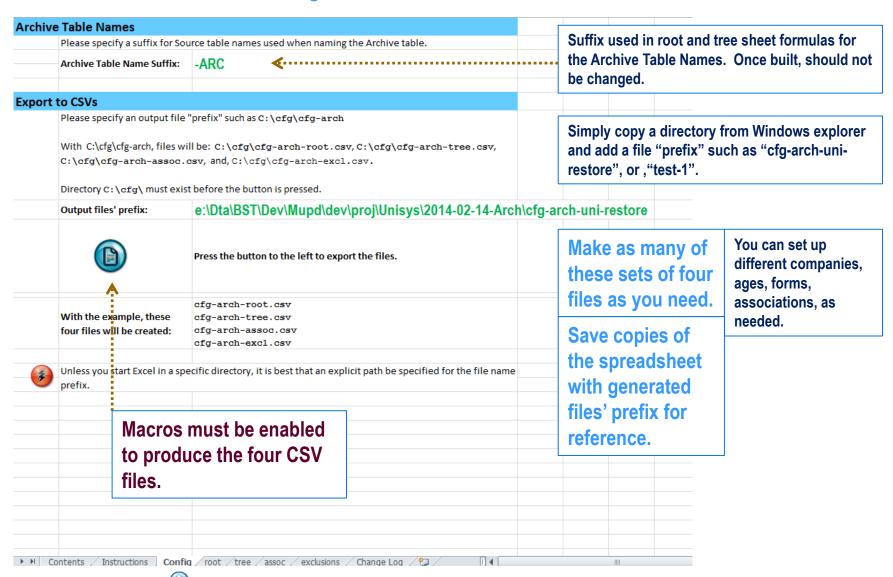




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Meta-Update Archive Configuration







Arch-Cfg-ITSM-810.xlsm



Root Request Configuration

The root sheet is the set of ITSM root requests. These are the Archive configurable items.

Form	Enable	Delete Flag	Archive C	Qualification	Date Field	Archive Form	Aį	ge
HPD:Help Desk	1	1	((('Status' = "Closed "@date@) or ('Status' 'Cancelled Date' < "@ ('VIP' = "Yes"))		Closed Date	HPD:Help Desk-ARC	1	У
CHG:Infrastructure Change	1	1	(('Change Request S 'Closed Date' < "@da Request Status' = "Ca Modified Date' < "@o Request Status' = "Re Modified Date' < "@o	ancelled" and 'Last date@") or ('Change ⊵jected" and 'Last	Completed Date	CHG:Infrastructure Change-ARC	1	y
PBM:Problem 1 1 (('Investigation Statution Sta				us' = "Closed" amd ate") or ('Investigation ' and ('Last Modified or ('Investigation Status'	Closed_Date	PBM:Problem Investigation-ARC	1	У
except on the <i>default</i> sheet.			st Mod	gati Qualification errors				
			s' = "Cl elled"				у	
On the delau	11 5116	et.			•	ations with		
				SthMq:	ry.exe	2.		

Check or modify the **Age and Archive Qualification fields.**

You may make copies of the spreadsheet with different qualifications and ages as needed.

The Date Field is ignored when the **Qualification includes** @date@ which becomes Now – Age.



Arch-Cfg-ITSM-810.xlsm





Tree Configuration

The tree sheet describes, for each root request, the set of level one and two forms and how they are related.

1

1

1

0



Root Level 1

Level 2

Summary Data

Work Loc

customized forms you

- The root is "HPD:Help Desk" (Incidents).
- A level 1 form is TMS:Task which is gueried with Incident's data.
- A level 2 form is TMS:WorkInfo which is queried from TMS:Task's data.

Incident Num HPI

Incident Num HPI

Incident Num HPI

Incident Num Pl

Root Form	Lvi	Source Form	Enable •	Delete Flag	Source Field	Upper Field	Archive Form	Source Field View
HPD:Help Desk	1	HPD:Associations	1	1	Request ID02	Incident Num	HPD:Associations-ARC	Request_I
HPD:Help Desk	1	HPD:Attachments	1	1	Incident Number	Incident Num	HPD:Attachments-ARC	Incident_I
HPD:Help Desk	1	HPD:Help Desk Assignment	1	1	Incident Entry ID	1	HPD:Help Desk	Incident_E
HPD:Help Desk	1	HPD:Help Desk Audit Log	1	1	Incident Number	Incident Num	HPC	c
HPD:Help Desk	1	HPD:HelpDesk_AuditLogSys	1	1	Original Request ID	Incident Num	HPE Add rows	tor any

Incident Number

Incident Number

Incident Number

Request ID01

HPD:Help Desk 1 HPD:WorkLog HPD:Help Desk 1 PBM:Investigation 1 PBM:Solution DB HPD:Help Desk HPD:Help Desk 1 TMS:Association

HPD:Help Desk

HPD:Help Desk

1 TMS:Task HPD:Help Desk HPD:Help Desk 1 TMS:Variable HPD:Help Desk 2 TMS:AuditLog 2 TMS:TaskEffort HPD:Help Desk HPD:Help Desk 2 TMS:WorkInfo

Field name errors will cause the script to fail.

Validate field names with SthMsch.exe.

ident Num	PBM:Solution DB	Request_II
179	TMS:Association-ARC	RootRequ
179	TMS:Task-ARC	RootRequ
179	TMS:Variable-ARC	RootRequ
179	TMS:AuditLog-ARC	Audit_Rec
179	TMS:TaskEffort-ARC	TaskInstar
179	TMS:WorkInfo-ARC	TaskOrTas

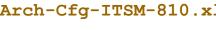
may have.

1 HPD:IncidentInterface Crea

1 HPD:Impacted Areas



Arch-Cfg-ITSM-810.xlsm



Tree Configuration

The tree sheet describes, for each root request, the set of level one and two forms and how they are related.



Upper Fie

Incident No



Root Level 1

Level 2

Normal data tables that can contain child records are configured in the tree form.

Join forms may also be configured, even though the tables making up the join forms will also be configured.

THE WITTER DESK					THE PROPERTY OF THE PROPERTY O	In	cident N
HPD:Help Desk	1	HPD:Help Desk Assignment	1	1	Incident Entry ID	•	1
HPD:Help Desk	1	HPD:Help Desk Audit Log	1	1	Incident Number	In	cident N
HPD:Help Desk	1	HPD:HelpDesk_AuditLogSys	1	1	Original Request ID	In	cident N
HPD:Help Desk	1	HPD:Impacted Areas	1	0	Incident Number	In	cident N
HPD:Help Desk	1	HPD:IncidentInterface_Crea	1	1	Incident Number	In	cident N
HPD:Help Desk	1	HPD:WorkLog	1	1	Incident Number	In	cident N
HPD:Help Desk	1	PBM:Investigation	0	1	Request ID01	In	cident N
HPD:Help Desk	1	PBM:Solution DB	1	1	Request ID01	In	cident N
HPD:Help Desk	1	TMS:Association	1	1	RootRequestinstanceID		179
HPD:Help Desk	1	TMS:Task	1	1	RootRequestInstanceID	•	179
HPD:Help Desk	1	TMS:Variable	1	1	RootRequestinstanceID		179
HPD:Help Desk	2	TMS:AuditLog	1	1	Audit Record Instance ID		179
HPD:Help Desk	2	TMS:TaskEffort	1	1	TaskinstanceID	•	179
HPD:Help Desk	2	TMS:WorkInfo	1	1	TaskOrTaskGroupInstance		179

Joins may not have required "Core" fields. Remedy generated Archive forms do. **Meta-Archive assigns** a dot "." for such text fields and the current time for such date fields.

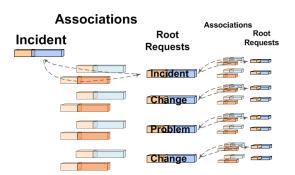
TMS:AuditLog-ARC	Audit_Rec
TMS:TaskEffort-ARC	Taskinstar
TMS:Workinfo-ARC	TaskOrTas

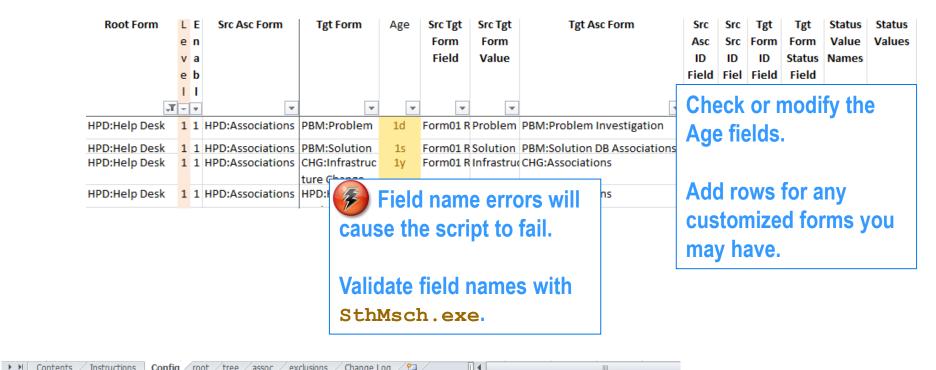


Associations Configuration

The assoc sheet describes the set of associations to other root requests.

This ensures records can only be archived when not associated to other root requests that are not ready for archiving.







Arch-Cfg-ITSM-810.xlsm

Exclusions Configuration

Used for Multi-tenancy.

In multi-tenancy environments, you can code one configuration for the default customer and as many as you need to handle other customers.

The exclusions sheet is only used for the default configuration to exclude archiving records from these companies.

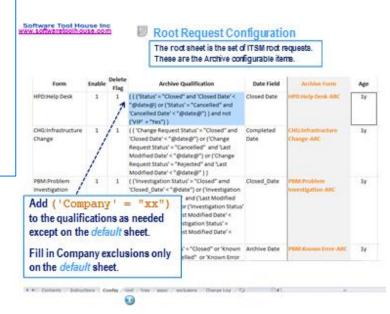
Company specific configurations have added Company Qualification in their Root sheet.

Company	Enable	
Calbro Services	1	
Company1	1	
Company2	1	



The exclusions sheet is only used for the Default configuration.

Records found to be from these companies are not archived.





Meta-Update Archive Scripts

500-Arch.ini



Running Archive



Preparing the command prompt

Set PATH

Help on setting up and using a Command Prompt.



path D:\Apps\SoftwareToolHouse\bin;%path%

export PATH=/apps/STH/bin:\$PATH export LD LIBRARY PATH=/apps/STH/bin:\$LD LIBRARY PATH

Set Script Path

SthScriptPath=D:\Dta\Dev\Arch\Scripts\500-#set

Archive\Include; %SthScriptPath%

Aexport SthScriptPath=~/Dev/Arch/MupdScripts/500-

Archive/Include: \$SthScriptPath

Change to your working directory

ar cd D:\Dta\Dev\Arch\wrk ~/wrk

Set Meta-Update Licensing

🧨 SthLic.cmd . SthLic.sh

Help on generating your SthLic file on next page.





Build your SthLic.cmd file

> Run SthlicUpd.exe to build your Sthlic.cmd (Or Sthlic.sh) file. This file will set environment variables.



Do this on your machines.

- > This needs to be run once when you open a new command or terminal window
- > Run sthlicUpd.exe to encrypt other ARS server passwords if needed.



Step 1: Build Archive Forms

Run Forms Admin script with set, reset, check. 350-Arch-FormsAdmin.ini



*

The set operation places a load on the server and should be done off peak hours.

It may take an hour or more to complete.

STH & customer tests on various server releases have shown a possibility of ARS Server crashes!

This seems better in 8.1.

```
SthMupd 350-Arch-FormsAdmin.ini Do -cmd set
-fle cfg-arch
```

The Meta-Update script sets the archive properties of configured forms causing the archive forms to be built for root forms and their trees.



Step 2: Remove Archive Links

Run Forms Admin script with set, reset, check. 350-Arch-FormsAdmin.ini



*

The reset operation, while *not* placing a load on the server, should be done off peak hours.

STH & customer tests on various server configurations have indicated a possibility of ARS Server crashes!

```
SthMupd 350-Arch-FormsAdmin.ini Do -cmd reset -fle cfg-arch
```

The Meta-Update script sets the archive properties of configured forms to None severing the links between the source and archive forms for root forms and their trees.



Step 3: Check Archive Forms

> Run Forms Admin script with set, reset, check.



```
SthMupd 350-Arch-FormsAdmin.ini Do -cmd check
-fle cfg-arch

The Meta-Update script simply issues
messages to the screen and logs.
Ensure all Statuses are "Ok".
```



Step 4a: Configuring Archive Delete

500-Arch.ini



The Archive script, as delivered, does NOT delete records as they are archived. This is to allow adequate testing.



Step 4: Perform an Archive

Run the Archive script with arch, restore.



```
SthMupd 500-Arch.ini Do —cmd arch—fle cfg-arch—qry "1=1"

Use Meta-Update to copy data from the source forms to the archive forms, and if configured, to delete the data from the source forms.
```





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Step 5: Review Archive Output

500-Arch.ini



The Archive script produces three CSV output files with each run in addition to the Meta-Update log file.

All deleted records

pfx-del.csv

Root Form	Root Id	Root 179	Del Form	Del Id	
HPD:Help Desk	INC_CAL_1000023	AG00123F73CF5Eqc4TSQ_uMxAgcUQB	TMS:WorkInfo	TAS00000000001	16
HPD:Help Desk	INC_CAL_1000023	AG00123F73CF5Eqc4TSQ_uMxAgcUQB	TMS:Task	TAS00000000001	.7
HPD:Help Desk	INC_CAL_1000023	AG00123F73CF5Eqc4TSQ_uMxAgcUQB	HPD:WorkLog	WLG0000000000	23
HPD:Help Desk	INC_CAL_1000023	AG00123F73CF5Eqc4TSQ_uMxAgcUQB	HPD:Impacted Areas	HIA000000000002	23
HPD:Help Desk	INC_CAL_1000023	AG00123F73CF5Eqc4TSQ_uMxAgcUQB	HPD:Help Desk	INC000000000002	25
HPD:Help Desk	INC_CAL_1000021	AG00123F73CF5Eqc4TSQgeMxAgbUQB	TMS:Task	TAS00000000001	14
HPD:Help Desk	INC_CAL_1000021	AG00123F73CF5Eqc4TSQgeMxAgbUQB	HPD:WorkLog	WLG0000000000	21
HPD:Help Desk	INC_CAL_1000021	AG00123F73CF5Eqc4TSQgeMxAgbUQB	HPD:Impacted Areas	HIA00000000002	1
HPD:Help Desk	INC_CAL_1000021	AG00123F73CF5Eqc4TSQgeMxAgbUQB	HPD:Help Desk	INC000000000002	23
HPD:Help Desk	INC_CAL_1000015	AG00123F73CF5Eqc4TSQvOExAgYUQB	TMS:WorkInfo	TAS00000000001	13
HPD:Help Desk	INC_CAL_1000015	AG00123F73CF5Eqc4TSQvOExAgYUQB	TMS:WorkInfo	00000000000000	4
HPD:Help Desk	INC_CAL_1000015	AG00123F73CF5Eqc4TSQvOExAgYUQB	TMS:Task	TAS000000000000)9
HPD:Help Desk	INC_CAL_1000015	AG00123F73CF5Eqc4TSQvOExAgYUQB	HPD:WorkLog	WLG0000000000	15
HPD:Help Desk	INC_CAL_1000015	AG00123F73CF5Eqc4TSQvOExAgYUQB	HPD:Impacted Areas	HIA00000000001	5
HPD:Help Desk	INC CAL 1000015	AG00123F73CF5Eqc4TSQvOExAgYUQB	HPD:Help Desk	INC00000000001	7
				C-1111	

Records with associations not ready for archive

pfx-not-arch.csv

Root Form	Root Id	Root 179	Asc Form	Asc Form Id	Msg
HPD:Help Desk	INC_CAL_1000005	AG001	PBM:Problem Investigation	PBI_CAL_1000004	root had non archivable association
HPD:Help Desk	INC_CAL_1000003	AG001	PBM:Problem Investigation	PBI_CAL_1000003	root had non archivable association
HPD:Help Desk	INC_CAL_1000002	AG001	PBM:Problem Investigation	PBI_CAL_1000002	root had non archivable association
HPD:Help Desk	INC_CAL_1000001	AG001	PBM:Problem Investigation	PBI_CAL_1000001	root had non archivable association

Records archived or restored

pfx-idlog.csv

Time	Server	Cntl section	Assign section	User	Schema	Key	Operation	Op2	Result
2013-11-17 16:38	cent	Do-arch-Upd		Demo	HPD:Help Desk-ARC	INC000000000002	Create	Merge	ОК
2013-11-17 16:38	cent	Do-arch-x		Demo	HPD:Impacted Areas-ARC	HIA000000000002	Create	Merge	OK
2013-11-17 16:38	cent	Do-arch-x		Demo	HPD:WorkLog-ARC	WLG000000000002	Create	Merge	OK
2013-11-17 16:38	cent	Do-arch-I2		Demo	TMS:Task-ARC	TAS000000000002	Create	Merge	OK
2013-11-17 16:38	cent	Do-arch-I2		Demo	TMS:Task-ARC	TAS00000000003	Create	Merge	OK
2013-11-17 16:40	cent	Do-arch-Upd		Demo	HPD:Help Desk-ARC	INC000000000003	Create	Merge	OK
2013-11-17 16:40	cent	Do-arch-x		Demo	HPD:Impacted Areas-ARC	HIA00000000003	Create	Merge	OK
2013-11-17 16:40	cent	Do-arch-x		Demo	HPD:WorkLog-ARC	WLG00000000003	Create	Merge	OK
2013-11-17 16:41	cent	Do-arch-I2		Demo	TMS:Task-ARC	TAS000000000004	Create	Merge	OK
2013-11-17 16:41	cent	Do-arch-Upd		Demo	HPD:Help Desk-ARC	INC000000000004	Create	Merge	OK



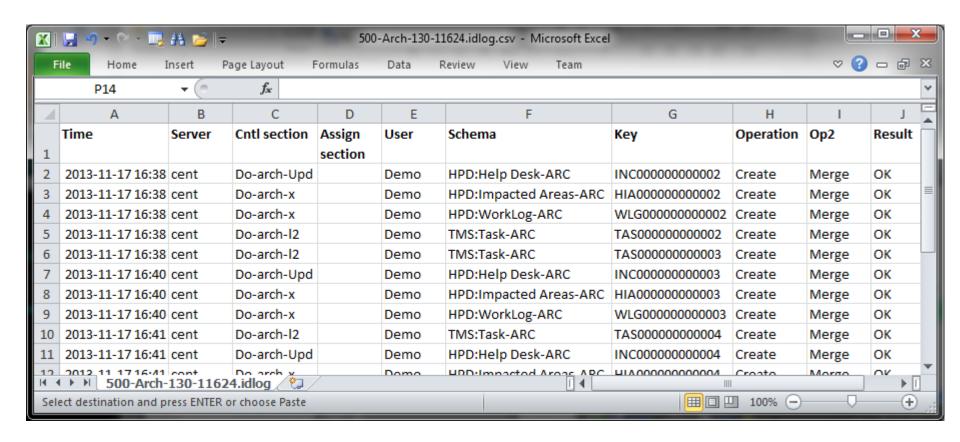
Meta-Update Archive Solution

Archive Output: Id Log

500-Arch.ini



> Standard Meta-Update Id Log file.



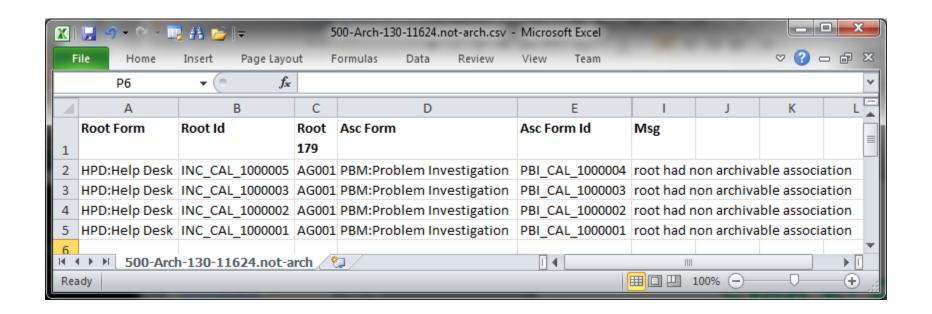


Archive Output: Not Archived Log

500-Arch.ini



Logs all root requests that are ready to be archived and are associated with root requests that are not ready for archive.





Meta-Update Archive Solution

Archive Output: Delete Log

500-Arch.ini



> Logs all records that were deleted.

A	А	В	С	D	Е	F	
1	Root Form	Root Id	Root 179	Del Form	Del Id		
2	HPD:Help Desk	INC_CAL_1000023	AG00123F73CF5Eqc4TSQ_uMxAgcUQB	TMS:WorkInfo	TAS000000000016		
3	HPD:Help Desk	INC_CAL_1000023	AG00123F73CF5Eqc4TSQ_uMxAgcUQB	TMS:Task	TAS00000	0000017	
4	HPD:Help Desk	INC_CAL_1000023	AG00123F73CF5Eqc4TSQ_uMxAgcUQB	HPD:WorkLog	WLG00000	00000023	
5	HPD:Help Desk	INC_CAL_1000023	AG00123F73CF5Eqc4TSQ_uMxAgcUQB	HPD:Impacted Areas	HIA000000	0000023	
6	HPD:Help Desk	INC_CAL_1000023	AG00123F73CF5Eqc4TSQ_uMxAgcUQB	HPD:Help Desk	INC000000	0000025	
7	HPD:Help Desk	INC_CAL_1000021	AG00123F73CF5Eqc4TSQgeMxAgbUQB	TMS:Task	TAS00000	0000014	
8	HPD:Help Desk	INC_CAL_1000021	AG00123F73CF5Eqc4TSQgeMxAgbUQB	HPD:WorkLog	WLG00000	00000021	
9	HPD:Help Desk	INC_CAL_1000021	AG00123F73CF5Eqc4TSQgeMxAgbUQB	HPD:Impacted Areas	HIA000000	0000021	
10	HPD:Help Desk	INC_CAL_1000021	AG00123F73CF5Eqc4TSQgeMxAgbUQB	HPD:Help Desk	INC00000	0000023	
11	HPD:Help Desk	INC_CAL_1000015	AG00123F73CF5Eqc4TSQvOExAgYUQB	TMS:WorkInfo	TAS00000	0000013	
12	HPD:Help Desk	INC_CAL_1000015	AG00123F73CF5Eqc4TSQvOExAgYUQB	TMS:WorkInfo	000000000	0000004	
13	HPD:Help Desk	INC_CAL_1000015	AG00123F73CF5Eqc4TSQvOExAgYUQB	TMS:Task	TAS00000	0000009	
14	HPD:Help Desk	INC_CAL_1000015	AG00123F73CF5Eqc4TSQvOExAgYUQB	HPD:WorkLog	WLG00000	00000015	
15	HPD:Help Desk	INC_CAL_1000015	AG00123F73CF5Eqc4TSQvOExAgYUQB	HPD:Impacted Areas	HIA000000	0000015	
16	HPD:Help Desk	INC_CAL_1000015	AG00123F73CF5Eqc4TSQvOExAgYUQB	HPD:Help Desk	INC00000	0000017	
47		4000000	1.000400E700EFF 1.4T00000 1 U000	use w. Li			

Note inverse order of deletions.





Controlling Archiving

000-Jctl.ini



- Meta-Update Job Automation may be used to enhance performance by breaking up the Archive jobs by server, record chunks, companies, and/or root requests.
- ➤ Jobs are set in a Jobs configuration file. The Job Control script fires and controls processes based on the jobs file.
- See Meta-Update Job Automation User's Guide for details on Job Automation.

 Meta-Update Job Automation Users Guide.pdf



Arch-Jobs-sample.xslx

Job Automation: Sample Jobs file

Jobs are set in a Jobs configuration file. The Job Control script fires and controls processes based on the jobs file.

	Lvi	Seq	En	Job	Skip	ARS Table	Job File	Job File	Script	Script	Comp	Chunk-	Chunk	Arch	Args	Notes	1		
			ab	Classe	When	Name	Source		File	Section ::	any	Num		ive			Eormula	e eat un ra	cord
			le	s	No				1	01	1			Conf				s set up re	Coru
1	_	-	÷	~	Cla	-	_	_	-	-				ig			chunkin	g	
7	1	1	1			HPD:Help [100-Hpd dft-05	500-Arch		9	5	5000	e:IDI	-stari	5900 -max	1000 -c		
8	1	2	1			HPD:Help [100-Hpd_dft-05	500-Arch		-	6		410	-starl		1000 -c		
9	1	2	1			HPD:Help [100-Hpd_dft-07	500-Arch		_	7	0000	e:IDI		t 7000 -max	1000 -c		
17	1	3	1			HPD:Help [100-Hpd_dft-07	500-Arch		-	15		e:IDI	-star	t 15000 -ma			
18	1	3	1			HPD:Help [100-Hpd_dft-15	500-Arch		-		16000	e:IDI		t 16000 -ma		d sheet, Ar	rchCfas
19	2	1	0			CHG:Infras		200-Chg_dft	500-Arch		-		10000	e:IDI		t 0000 -maz	1	in a formul	• .
20	2	1	0			PBM:Proble		310-Pbml dft	500-Arch		_			e:IDI	-start	t 0000 -maz			a for the
21	2	1	0			PBM:Knowr		320-PbmE dft	500-Arch		_			e:IDI	(-star	0000 -max	–fle argu	ıment.	
22	2	1	0			PBM:Soluti		320-PbmS dft	500-Arch		_			e:\D(-starl	t 0000 -maz	2000 -1		
23	2	1	0			RMS:Relea		400-Rel_dft	. 500-Arch		_			e:\D(-star	t 0000 -maz	0000 -1		
24	2	1	0			WOI:Work(500-Woi dft	500-Arch		_			e:\D(-star	t 0000 -maz	0000		
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35	2	3	0	-	<u> </u>					Do .	Biospl			e:\D(-star	t 0000 -ma z	0000 -		
36	2	3	0			PBM:Soluti	300-PbmS	300-PbmS_biosp	500-Arch	Do	Biospl	nere		e:\Dt	-star	t 0000 -ma z	0000 -(
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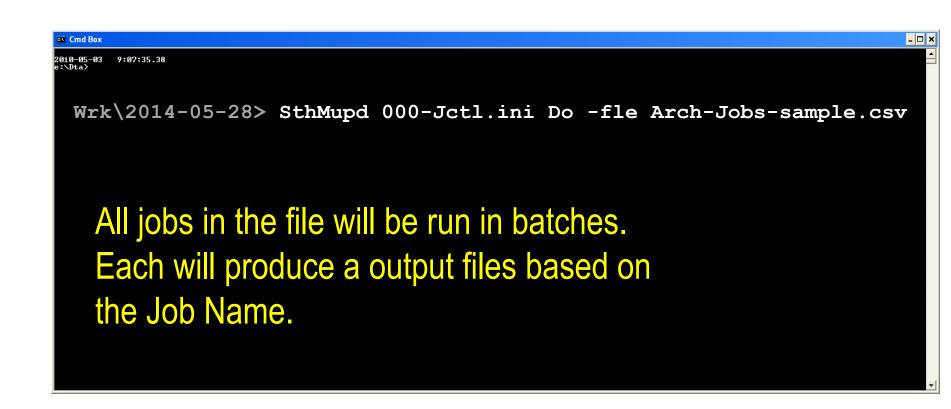


Firing Sets of Archive Jobs

➤ Run the Job Automation script with the Jobs file



Arch-Jobs-sample.xslx





Contact Us www.SoftwareToolHouse.com

- ➤ Binaries, trial licenses, User's Guide available on the web.
- ➢ Pick up a trial license with our Live Install and Scripting 101 presentation
- ➤ Download the Scripting 101 presentation and the Meta-Update User's Guide
- **➤** Look at the samples in the Script Library
- > Contact Us at www.softwaretoolhouse.com

We Thank You for Your Time



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