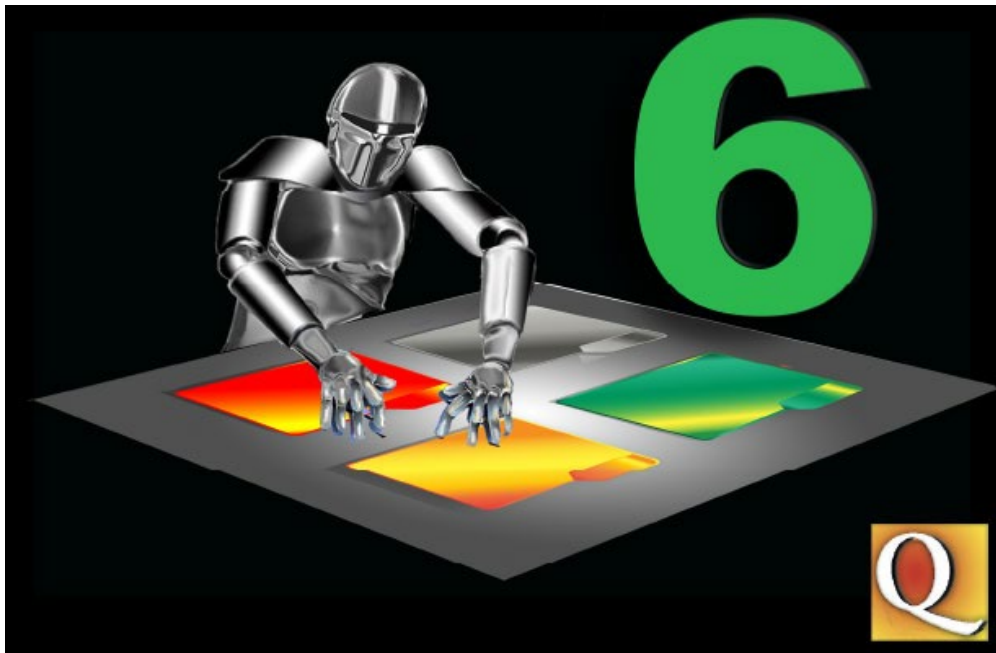


Starting in Enfocus Switch with Quite Hot Imposing



This document introduces the concepts of Quite Hot Imposing, and describes how to set it up with Hot Folders. Not all users work this way, especially if integrating with Enfocus Switch or using the command line. This document does not talk about creating the sequences of commands which actually do the work. Please see

- https://www.quite.com/docs/qi6/en/qi6_manual/ (full manual)
- https://www.quite.com/docs/qi6/en/qhi6_variables/ (details of new variables feature for 6.0)

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Quite Hot Imposing - General

Applying Impositions

The easiest way to understand Quite Hot Imposing is to work with Quite Imposing Plus for a while. All of the imposition functions in Quite Hot Imposing are identical to those in the plug-in. It is also quicker and easier to see the results of an imposition when it is run on an open document in Adobe Acrobat.

Impositions can be completely set up in Quite Hot Imposing, but it may be harder to visualise the results when this is done.

In either case, an imposition is a series of one or more commands. For example, you might shuffle the pages of a document into the order required (also rotating some of them), using the Shuffle Pages command. Then you might use the N-Up Pages function to arrange these pages onto sheets. More complicated impositions might add page numbers, shift pages to allow for binding (“creep”), or insert a cover page using the “background” feature.

Once an imposition has been made in Quite Imposing Plus, it is immediately available for use in Quite Hot Imposing in several ways:

- The PDF file you made contains full details of the command used. You can save the PDF then use it as a control file in Quite Hot Imposing.
- You can export these commands as XML (from the Info panel). This too can be used as a control file.

You can import commands into automation sequences in Quite Imposing Plus. This is particularly flexible as you can test the automation in the plug-in. For each set of commands you import, you choose a name and category. (The category is anything you choose, to help organise large sets of commands). The automation sequences you set up in Quite Imposing Plus are available immediately in Quite Hot Imposing.

Ways to run Quite Hot Imposing

Quite Hot Imposing has different modes of operation. They include

- Running with hot folders. We call these queues, and each queue has four folders (IN and OUT, a DONE folder to keep the input, and an ERROR folder). You can set up multiple queues, which can run either automation sequences or XML control files. The queues (in 6.0) can have filters on the name so you can control the work through the file name.
- Run with the command line interface (CLI). The command line is the engine which *always* does the work, whatever the mode, and you can run it directly. It always runs just one job, then finishes.
- Run through integration with another product, notably –

- Run through integration with Enfocus Switch. Switch provides a workflow and you can call Quite Hot Imposing at any point, specifying the control file to use. You can optionally pass private data as variables into the job, and get information back into private data. You can optionally use Switch Datasets for purposes like sheet backgrounds, variable data source, or more.

Quite Imposing Plus functions not available

A few of the functions of Quite Imposing Plus are not available in Quite Hot Imposing. These are the functions which work with more than one file (since Quite Hot Imposing is always one file in-one file out); and the functions which depend on a knowledge of the “current page”, since there is no idea of a current page in a batch program.

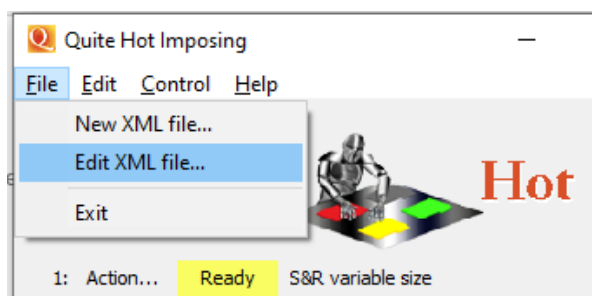
The main functions not available are:

- Manual imposition to overlay an existing document. (Manual impositions to a new document or background can be used to make complex layouts for imposition).
- Shuffle even odd functions that split or merge files.
- Booklet making options that produce two files.
- Join 2 Pages (since it joins the current page) except for files with exactly 2 pages.
- Various Insert Pages options related to the current page (e.g. insert before current page, make page the same size as current), and the Insert Page option to make a new document.
- Options in any command to work on the “current page”. Use a specific page number instead.

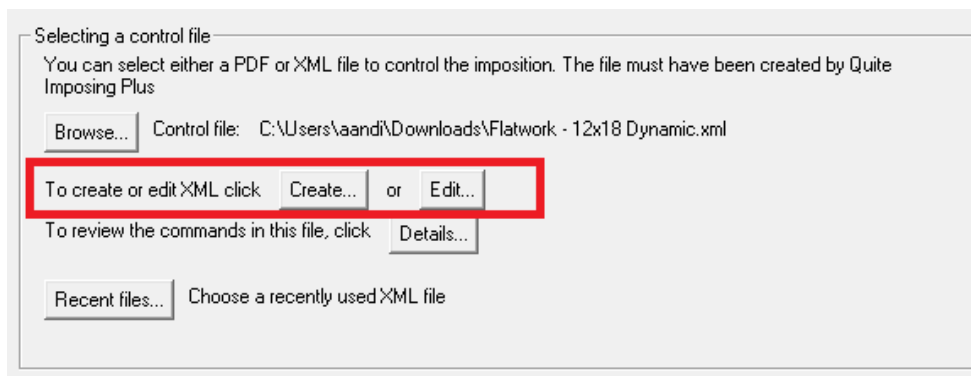
Quite Hot Imposing – XML editing (6.0)

Working with named automation sequences has been simpler than working with XML, which before version 6.0 needed to be exported from and imported to automation sequences. But some customers want or need to work with XML, especially those using Enfocus Switch or the command line. There have been two improvements to make this task simpler in 6.0.

First, the File menu now includes New XML and Edit XML. These edit the list of commands exactly like automation sequences, but end by prompting to save a file.



Second, the screens to set up an XML file allow editing and creation of an XML file.



If you use Save As to save a new name, you will be asked whether this is to become the current XML file for this queue. This is also available on the Action menu from Change XML control, without needing to go through the other setup screens.

Other Documents Available

In addition to this document, a number of other documents will be installed on disk. These can be found in the docs folder, which can also be reached from the Help menu or “?” button.

- command line spec.pdf – explains how to run impositions from the command line (for advanced users)

Enfocus Switch and Quite Hot Imposing

Enfocus Switch is a product made by Enfocus to manage workflows. Quite Software do not sell it or support it, but there is integration between Quite Hot Imposing and Enfocus Switch.

Summary for Switch users (5.0)

Installing and setup

Enfocus Switch is a product made by Enfocus BV. Quite Software do not make, sell or support any Enfocus product.

However, Enfocus Switch is a workflow product, which can run work which uses non-Enfocus products. We are happy that Enfocus Switch can directly run Quite Hot Imposing as part of any workflow. Licenses for both products are required. Enfocus Switch cannot automate the Quite Imposing Plus plug-in.

This documentation does not cover how to set up workflows, and assumes the reader is already familiar with Enfocus Switch. It is worth noting these points.

- Other companies may make apps to work with Quite Hot Imposing. To use these third-party apps you will need a license for *both* Quite Hot Imposing and the third-party app. Third-party apps may work with Quite XML files, or may use different methods to control. We cannot support these third-party apps directly, please contact

the seller with any questions. This document is about working with Quite's own Quite Hot Imposing app/configurator.

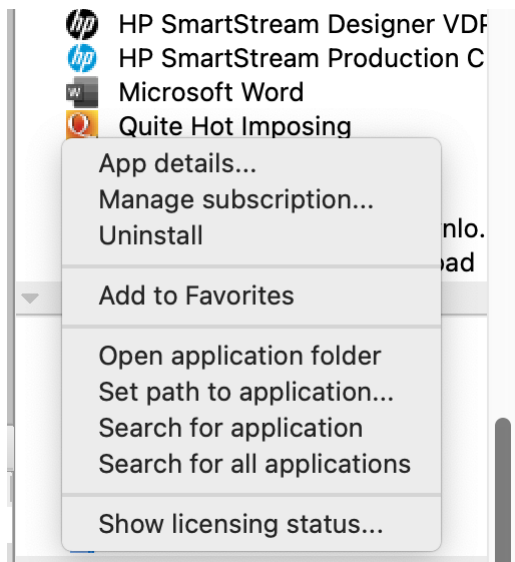
- To use Quite Hot Imposing in a workflow you may need to install the free Quite Hot Imposing app from the Enfocus App Store. This "app" is not Quite Hot Imposing by itself, and you still need to license and install Quite Hot Imposing. In versions of Enfocus Switch before 2024, the "app" was called a "configurator". There is currently no additional charge for the Switch app or configurator.
- Older versions of Enfocus Switch may have needed a supplementary license to work with configurators.
- Sometimes Quite Hot Imposing may be unable to do the work. For example, a security protected PDF might find its way into the workflow. In this case, the Switch error handling becomes important. If a queue is set up in the simplest way – just an IN and OUT connection – then the failed file is simply sent to the next step of the workflow, where it may cause confusion because the imposition task was not done. We recommend using Switch's error handling facilities, which allows files in error to be sent to a separate folder.
- By default the Quite Hot Imposing log file is not saved. We recommend setting a LOG connection from any Quite Hot Imposing step.
- Remember to start Quite Hot Imposing and enter the license one time (this may happen during installation). If using a temporary license, make sure to deal with this before the license expires.

Finding Quite Hot for Enfocus Switch flows

Enfocus Switch will search for a copy of Quite Hot. Generally, this works fine. However, there may be two cases where you have to help Enfocus Switch in its search:

- It fails to find Quite Hot Imposing
- You have upgraded Quite Hot Imposing and need to use the latest version
- You have multiple versions of Quite Hot Imposing installed, and need to control which one is used.

To find Quite Hot Imposing manually, find the Quite Hot Imposing icon in the Flow Elements panel, usually found at the right hand side of the Switch window:

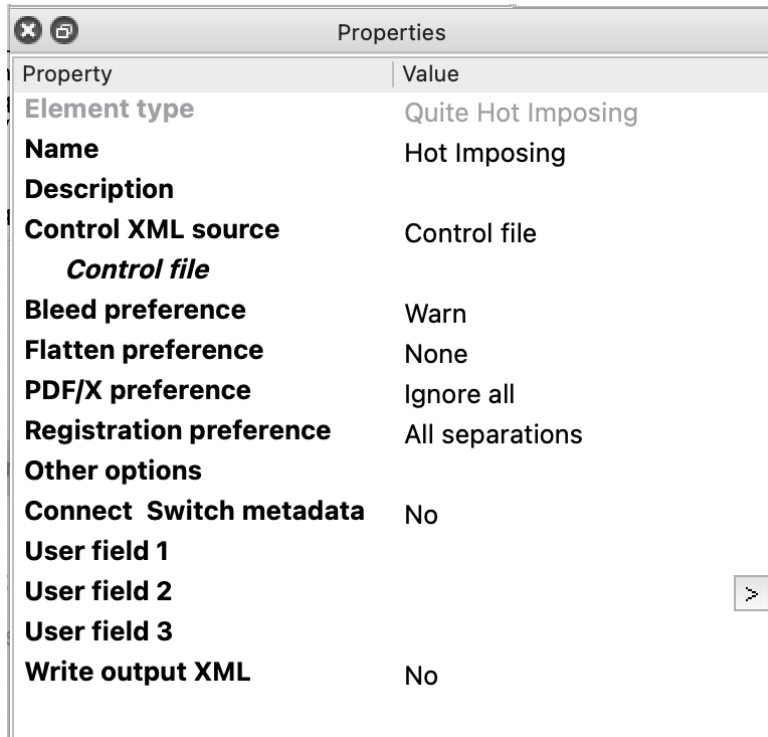


- Before searching, run the Quite Hot Imposing app at least once, check it is licensed, and quit.
- If you have only one version of Quite Hot Imposing installed, first try Search for application. Switch will usually find it and the job is done.
- Otherwise, you can use Set path to application. You must be careful to choose the right app, as there is a choice, and the obvious choice may be wrong!
- In Windows, the file you need is **qi_applycommands**. Do not choose **qi_hot**. The target folder is usually **c:\Program files\Quite\Quite Hot Imposing 6** (replace 6 with the current version). Versions before 6.0 may be in **c:\Program files (X86)\Quite\Quite Hot Imposing 5** etc.
- In Mac, the file you need is **Quite Hot Engine**. Do not choose **Quite Hot Imposing**. The target folder is usually **/Applications/Quite Hot Imposing 6** (replace 6 with the current version).

Quite Hot configurator/app flow element setup

Each Quite Hot Imposing flow element will need at least an input and output folder. We recommend also output folder for errors and logs.

Each Quite Hot Imposing flow element will need you to set up the properties to describe the work to be done. When you click on the flow element in the Switch editor, it will look something like this.



The screenshot shows a 'Properties' dialog box with a table of settings. The table has two columns: 'Property' and 'Value'. The settings are as follows:

Property	Value
Element type	Quite Hot Imposing
Name	Hot Imposing
Description	
Control XML source	Control file
Control file	
Bleed preference	Warn
Flatten preference	None
PDF/X preference	Ignore all
Registration preference	All separations
Other options	
Connect Switch metadata	No
User field 1	
User field 2	
User field 3	
Write output XML	No

Name – this is the name of the element. You can leave it unchanged, but when there is more than one Quite Hot Imposing element it may help to give them different names.

Description – for your own information if required

Control XML source most users will leave Control XML source set to Control file.

Control file – the file containing Quite XML describing the work to be done. *Required*. This can be a fixed file, or a generated name using Switch variables.

Control dataset – this appears if Control XML Source is set to Control dataset. It is a Switch dataset containing the same XML information needed by Control file.

Bleed preferences, Flatten preferences, PDF/X preferences, Registration preferences – these are all preferences to Quite Hot Imposing on a per-job basis. It is important to note that preferences set in the Quite Hot Imposing preferences have *no effect* on the preferences in a Switch flow. The default settings for Switch are as shown in this screen shot.

Other options – these options are also passed to the Quite Hot Imposing command line. See command line documentation for details.

Connect Switch metadata – if this is set to “Private data + datasets”, then provided Quite Hot Imposing 6.0 or later is installed, automatically passes all Switch Private Data variables into Quite Hot Imposing variables (provided they have a simple name). Also all Switch datasets are available for use in commands.

User field 1/2/3 – these is available for Quite Hot Imposing 5.0 and later, and is a simple way to pass user fields that can be used in Stick on Text and Condition commands. The Connect

Switch metadata function, used in Quite Hot Imposing 6.0 with variables, is much more powerful.

Write output XML – optionally, Switch will write an XML file or dataset describing certain results of each step, such as the number of rows and columns used in Step & Repeat. Quite Hot Imposing 6.0 has a much improved facility where specific information can be exported back to Switch Private Data. This overcomes the problem where it was difficult to find the information in the exported XML where multiple commands had the same result names.

Features especially for Switch users

Combine files using job folders

Quite Hot Imposing in Enfocus Switch allows you to send a single PDF file, or a “job folder”, a folder containing multiple PDF files.

Only PDF files are combined. The combination uses a special order that splits the file names up, keeping numbers separate. This means that FILE1, FILE22, FILE101 are processed in that order, also FILE12PART1, FILE12PART22, FILE12PART101.

Certain other files and folders may be included. Note that the Enfocus Switch setup does *not* allow a control.xml file to override the commands.

- A REPLACE folder may appear. This provides replacements for PDF files used in the XML, such as backgrounds, pages to insert, pages to stick on, or data sources. The replacement file must have the same filename (ignoring the directory).
- A file qivars.txt may give the value for variables. This is described in the separate documentation found on <https://www.quite.com/hotimposing/vars/>

Except as noted, nested files and directories are ignored.

Removing prefix from file names (5.0)

Switch files in flows typically have a special prefix on the name, so it is recognised by Switch. For example, a file originally called MONDAY.PDF might actually be called _ABCDE_MONDAY.PDF. The prefix is always five alphanumeric characters within two underscores.

In Stick On Text And Numbers, you can now choose **File name (no prefix)** as a field. This will remove the prefix if it takes this form, and leave any other kind of name unchanged. This can be used to add the original file name as text on a printed sheet. The advanced name for this field is [Doc:FileNameNoPrefix].

This field can also be used with the new Condition commands.

Variables and datasets (6.0)

Recent versions of the Quite Hot Imposing configurator or app for Enfocus Switch have a new option “Connect Switch Metadata”. Set this to “Private data and datasets” and all the datasets in a flow are automatically added, and the Switch Private data can be used to set variables in Quite Hot Imposing, provided Quite Hot Imposing 6.0 or later is in use.

Variables (advanced feature) (6.0)

Variables can be used so you can change the values in setup. So you could change rows, columns, page width, number of copies, caption to add to sheet, or many other elements that were fixed.

Variables can be set in a number of ways, and in Enfocus Switch this would usually be done by setting the option Connect Switch Metadata to Private data and datasets. Note that only regular alphanumeric names will be picked up.

Calculations are possible, and results can be returned to variables (such as, maximum number of pages on a sheet). Variables (and calculated expressions) can be used with the Condition command, to choose which commands to use.

Full documentation and movies are on <https://www.quite.com/hotimposing/vars/>.

Use datasets with Enfocus Switch (6.0)

Datasets are a standard concept in Enfocus Switch. You can add datasets to a job to carry extra information. Often, script steps are added to a flow to create datasets. Recent versions of the Quite Hot Imposing configurator or app for Enfocus Switch have a new option “Connect Switch Metadata”. Set this to “Private data and datasets” and all the datasets in a flow are automatically added.

Other options	
Connect Switch metadata	<div>No</div>
User field 1	<div>Private data + datasets</div>
User field 2	<div>No</div>

To set a command to use a dataset, chose “Dataset...” in any command which accepts a file. This includes

- Stick on PDF pages
- Insert pages
- Page background for N-Up, Step & Repeat
- Variable data merge

For variable data merge you will also need to specify a model document so the field names are available at design time. The dataset used at run time must have the same columns.

User fields - legacy (5.0)

User fields were added in 5.0 as a way to send information from Switch to use in certain places in Quite Hot Imposing. The new variables feature in 6.0 allow you to set both variables (from private data) and datasets automatically. There may be no need for this user fields feature, but it still works and is documented.

(Note: this feature was sometimes called “user variables” but we now call it “user fields” to avoid confusion with the new – and much more powerful – variables feature. The term “Single-line text with variables defined” however is one used inside Switch, and doesn’t directly map to a variable in Quite Hot Imposing).

User fields allow you to pass metadata and other strings from a switch flow. These can be used as text to stick on, or to control conditional execution. See the attached tech sheet for full details.

Using recent versions of the configurator/app for Quite Hot Imposing in Enfocus Switch, there are settings to create named variables 1, 2 and 3. Additional variables can be added with the

Using user fields to pass metadata from Enfocus Switch (5.0)

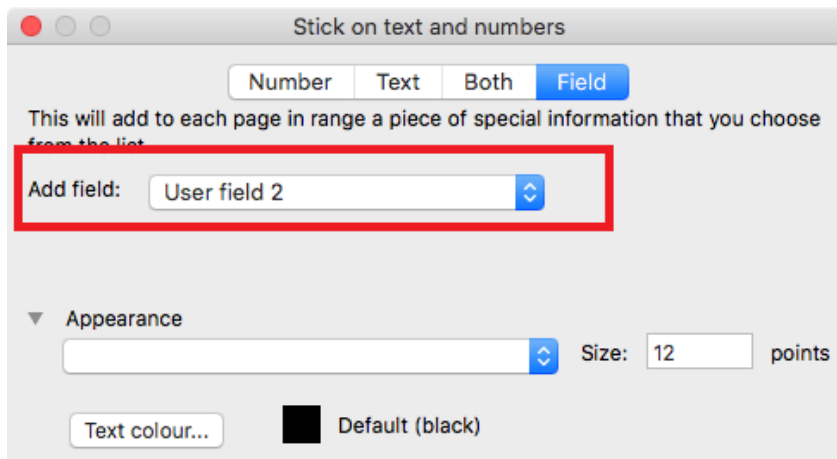
Flows in Enfocus Switch often have complex controls based on metadata and other information. Until now, the only way to control Quite Hot Imposing was to generate references to different control files based on the metadata. Now it is possible to pass user fields into Quite Hot Imposing, which can be used in two commands:

- **Stick on Text and Numbers** can pick up these user fields and place them as text on a page.
- **Conditions** (new in 5.0) can run different automation sequences according to user fields.

Note too that you can now pick up the Switch file name without the five character prefix (e.g. FILE.PDF rather than _XAXAX_FILE.PDF) using the **File name (no prefix)** field.

Picking up user data in Stick On Text And Numbers (5.0)

Stick On Text and Numbers allows you to select a Field to add. You can select User field 1, 2 or 3 (more names are available, see Advanced Use, below). All the other options for adding text are applicable (e.g. font, position).



Setting up user data for Quite Hot Imposing in Switch (5.0)

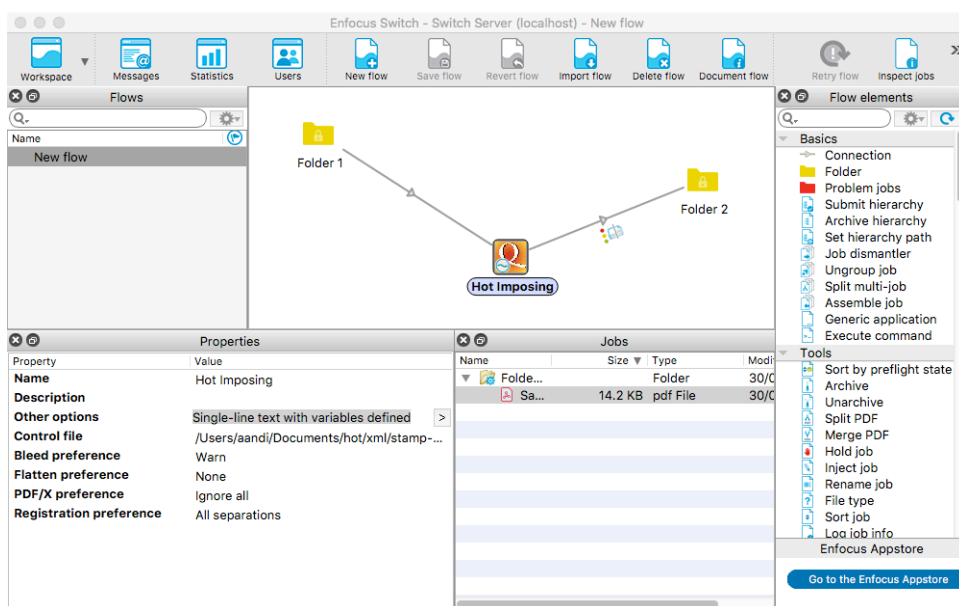
You can set the user field called “1”, “2” or “3” directly in the configurator/app. For other names, in the Quite Hot Imposing configurator/app Properties you have a section **Other options**. These are extra command line options passed to Quite Hot Imposing. To work with metadata you will choose *Single-line text with variables defined*.

The eventual result of the text must be to set a `-User:name` field such as `-User:2` for the field called “2” (User field 2 in the screen shot above). This is followed by a space and the value to pass in double quotes.

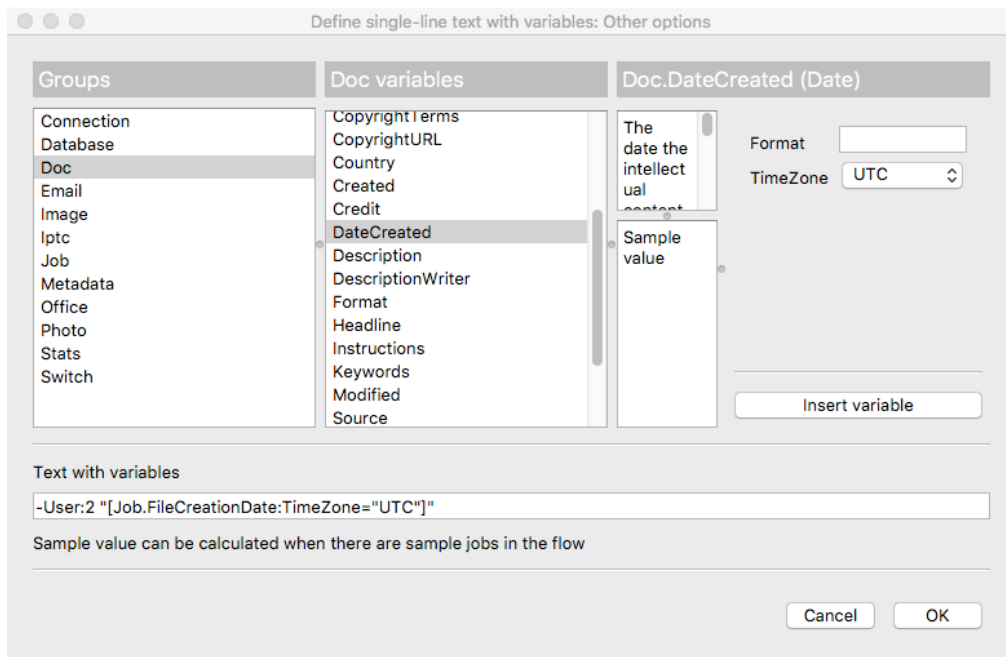
For example, if you just wanted to pass RUSH as User field 2, you would add

`-User:2 "Rush"`

Notice that this must start with one dash (-), and there is a space before the value. You can include as many user fields as you like, separated by more spaces. To use names other than 1, 2 or 3, see Advanced Use, below.



When you click the arrow after **Other options** you will see the Switch helper screen



The helper screen lets you choose variables to add to the basic command.

In this example, we first typed **-User:2 "** then selected **Doc** from the **Groups** list and **DateCreated** from the **Doc variables** list.

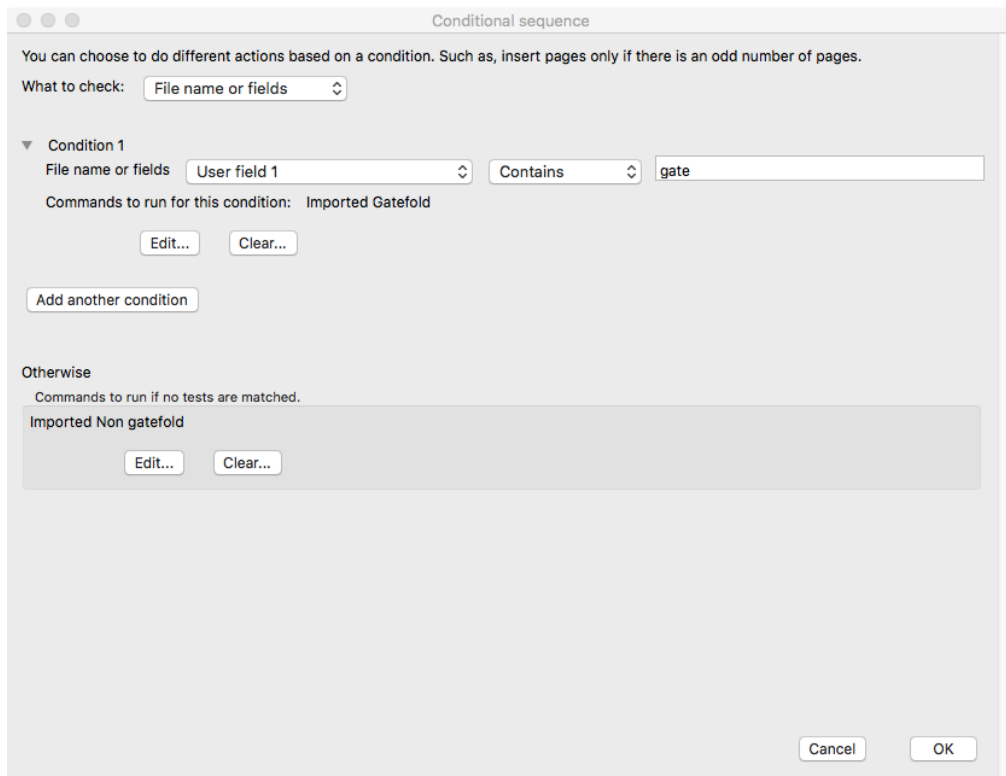
Switch added `[Job.FileCreationDate:TimeZone="UTC"]` automatically, and finished by typing another double quote.

Working with Condition commands and user fields (5.0)

This picture shows a Condition command which looks at user field “1”.

If the field contains the text “gate”, then it will run one set of commands (the imported sequence called “Gatefold”).

If the field is not matched, it runs the *Otherwise* command, which here is the imported sequence called “Non gatefold”.



You can add more conditions to test the same or other files, and run other commands. Note that only one condition will be matched.

Advanced use of field names (5.0)

You can work with any name for a field. Setting these up in Switch is the same, but in Stick on Text And Numbers you need to select the **Advanced** option and type a field in this form [User:name].

If the field is not found, the text [User:name] remains as the value. To set a default value, use a vertical bar after the name, for example [User:rush|no] means that if the user field **rush** is not set this will have the value **no**. You can default to blank as in [User:extras|].

To use other fields with the Condition command, select “Choose another (advanced)” from the field list, and type the name in the same format.