
Harlequin RIP[™]

Job Names

Technical Note Hqn030

January 2005



1 Introduction

The process of setting the jobname in the Harlequin RIP is not easy since the RIP sets the most appropriate name from the source, which is many and varied, including different versions of Apple's LaserWriter driver.

This note is intended to explain how those names are derived, and to suggest ways of adapting the selection for cases where you want to produce something different.

The PostScript language provides a number of places in which a job name can be set by a job:

- `jobname` in `statusdict`
- The `JobName` user param
- `JobName` in the page device

In addition, some jobs set none of these, but do include comments from which a reasonable attempt may be made to derive a job name.

2 Standard derivation

- a. `jobname` in `statusdict` is initially set to the file name (or channel name if the job is arriving through a plugin).
- b. If you are using the RIP's Spool Folder plugin, `jobname` in `statusdict` will now be set to the name of the file which will be processed through the input plugin.
- c. The first `%%Title` and `%%For` comments in the job are inspected and the remainder of the lines saved away.
- d. If the `JobName` user parameter is set and `JobName` matches the string from the `%%For` comment (possibly with:

(; page n of m)

following it), the `JobName` string is replaced with:

(xxx; document: yyy)

where `xxx` is the string from the `%%For` string and `yyy` is the string from the `%%Title` comment.

`jobname` in `statusdict` is then implicitly set to the same string.

- e. At the end of each page `jobname` in `statusdict` is inspected, and if it is a string it is used.

If that is not a string, `JobName` from the page device is inspected and used if it is a string¹.

If that is not a string as well, `(Untitled)` is used².

3 Adapting a defined job name

There may be occasions where you wish to have the job name automatically changed in some way. Stage *e*) in the sequence above is processed almost immediately after `StartRender` procedures in the page device³, and therefore it is possible to change the name as required by defining such a procedure.

The following code fragments illustrate how `jobname` in `statusdict` might be adjusted to remove everything before and including a "`;<space>`" sequence if and only if the existing `jobname` starts with "`Created with WagonWheels`". Obviously, very elaborate name changes could be performed in much the same way. Code such as this could be entered in `SW\SYS\HQN0EM` and therefore automatically loaded whenever the RIP starts.

¹ Note that this is the page device, *not* the user parameter.

² The draft extensions manual was incorrect in this section – the April 1996 version was correct.

³ See page 218, section 8.6 of the Harlequin RIP Extensions manual for details of `StartRender` procedures.

```

<<
/StartRender <<
/SwitchName {
  statusdict begin
  jobname
  (Created with Wagon Wheels)
  anchorsearch {
    pop (; )search {
      pop pop dup length string copy
      /jobname exch def
    } {
      pop
    } ifelse
  } {
    pop
  } ifelse
  end % statusdict
} bind
>>
>> setpagedevice

```

4 Using the source file name as the job name

In some cases you may wish to always use the job's file name as the job name.

From the Harlequin RIP Genesis Release™ v7.0 a page feature has been added, which allows users to request that an incoming file name be used for the job name. This ability is provided in the page feature called `use filename as jobname`, and can be selected from the **Enabler feature** section of the Page Setup dialog.

This page feature is a much cleaner approach than any previously supplied code. It is therefore highly recommended that this page feature is used rather than any previous code offerings.

The page feature code is shown below:

```

% Use the original job file name as the job name
2 dict begin
/internaldict 1183615869 internaldict def
/StripFileName_1 /HqnLocal /ProcSet findresource /StripFileName_1
get def

```

```

<<
/StartRender <<
/filename-jobname {
  //globaldict /filename-jobname 2 copy known {
    % read from cache
    get
  }
  {
    % get the file object
    //internaldict /fileObject 2 copy known {
      get
    } {
      pop pop
      serverdict /stdin get
    } ifelse

    % Now get the file name with path
    //string statusdict /filename get exec pop

    currentglobal true setglobal exch
    dup length string copy
    exch setglobal

    % strip off the path
    //StripFileName_1 exec

    % Store cached copy
    dup 4 1 roll put
  } ifelse

  % set job name
  statusdict /jobname 3 -1 roll put
} bind
>>
>> setpagedevice

end

%%EOF

```

Change history

v 1.0	96.09.05	First Release.
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Change history		
v 1.1	2001.06.15	Updated cover page and copyright page. Removed references to ScriptWorks and replaced with Harlequin RIP. No other changes made to text.
v1.2	2002.05.13	Added page feature for 5.5r0 and later RIPs.
1.3	2002.11.13	Updated copyright page.
1.4	2005.01.06	Added Use filename as jobname page feature



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