
Command line options

Technical Note Hqn 068

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1 Introduction

The Harlequin RIP can be started from a command line as well as using the host operating system startup options. When starting the RIP from the command line a number of options are available for selection. This document provides information about the various command line options and describes how to use them.

All RIP command-line options and arguments are case-insensitive on Windows and case-sensitive on other platforms.

2 Using the command line

To use the command line options:

1. Open a command or terminal window.
2. Navigate to the installation folder of the Harlequin RIP.
3. Use the following formats.

For Windows use:

```
<company>.exe -<argument> -<argument> ...
```

For Linux use:

```
./<company>_RIP -<argument> -<argument> ...
```

For Mac OS X use:

```
<install folder>/HARLQN.app/Contents/MacOS/gui -<argument> -  
<argument> ...
```

In the command line change *<company>* to the exact name of the RIP application that you are using, and replace *<argument>* with one of the command line arguments listed in the following section.

Multiple arguments can be used on the command line, unless you are using SOAR RIPExecPart config files, in which case each switch must be on a separate line. See "Using command lines in a SOAR RIPExecPart config file" on page 8 for further details.

Note: If a command line option is entered incorrectly a warning dialog is displayed. You must click **OK** to continue the RIP startup.

3 Command line arguments

The following command line options are available on all platforms:

`-baseport <port number>`

The base port number to use. This allows the base port number to be overridden. By default the base port is 9905. The various components in a SOAR system use port numbers at set offsets from the base port number.

`-gui`

Run the RIP with a GUI (graphical user interface). The `-gui` option overrides the setting configured in the **SW/Config/UIPreferences** file.

`-headless`

Run as a headless RIP. This option loads all the code for the GUI but does not display it. That is, the RIP is run as normal but without any graphical user interface. In this mode all interaction with the RIP is done using PostScript language files. The `-headless` option overrides the settings configured in the **SW/Config/UIPreferences** file.

`-headless__original`

Run as a headless RIP. This option omits all the code for the GUI and as such will load more quickly. This makes the RIP much closer to the original headless product, hence the name. In this mode all interaction with the RIP is done using PostScript language files.

This option overrides the settings in the **SW/Config/UIPreferences** file. To achieve the same result using the **SW/Config/UIPreferences** file, both the `-headless` and `-headless__original` options must be set to True.

`-hostname <hostname>`

Specify the hostname of the computer running the NameService. For more information see the SOAR SDK programmer's manual.

`-IIOPLocalHost <host identifier>`

Identifier to use for local host when constructing object references. It explicitly specifies the host name or IP address that will be used by the ORB. Explicitly specifying a host name or IP address, in this way, usually means that the ORB does not require a network to be connected, though this depends on the precise configuration of the particular machine. For more information see the SOAR SDK programmer's manual.

`-IIOPLocalHostPolicy <ip|fqdn|hostname>`

Policy to use when choosing an identifier to use for local host when constructing object references. If `IIOPLocalHost` is not specified, this property specifies a policy by which a host name or IP address, for use by the ORB, is determined. The important values are `ip`, meaning that the local host's IP address will be used, and `fqdn`, meaning that the local host's fully-qualified domain name will be used. The policies `ip` and `fqdn` often require a network to be connected, though this depends on the precise configuration of the particular machine. For more information see the SOAR SDK programmer's manual.

`-instance <instance number>`

Instance number of the RIP—for persistent `RIPControl` objects. The RIP creates a persistent object reference for its root `RIPControl` object when it is booted using the `-instance` command line argument. Without this argument, the object reference is transient, which means that the RIP application leaves it up to the ORB (Object Request Broker) to identify the object reference. In order for other servers to store this object reference, the RIP must generate a persistent object reference.

`-ior <IOR>` IOR string of RegisterServer interface. When the RIP is provided with such an argument, it then turns on its SOAR interface. It expects the object implied by the IOR in the command line to implement the RegisterServer interface. For more information see the SOAR SDK programmer's manual.

`-licSvrRetries <number>`

This specifies the number of times that a license-served RIP will try to connect to the license server, if, at the first attempt, it cannot see a license server. Zero means never retry, which is the default behavior. The maximum value is 1000.

The `licRetryMillis` delay is applied between each connection attempt. However, it can take tens of seconds for each connection attempt to fail. Therefore, even a small value of `licRetryMillis` will be added to the time each retry takes to fail.

If the `licSvrRetries` is greater than zero, the RIP will not attempt to start a local license server. If it is zero, then it will, (which is the RIP's previously specified behavior).

Default: 0

`-licenceRetries <number>`

This parameter specifies the number of times that a license-served RIP will attempt to get a license from the license server once the RIP has successfully connected, if, at first attempt, it cannot get one. Zero means never retry, which is the default behavior. Maximum is 1000.

The `licRetryMillis` delay is applied between retries. It typically does not take long for the license server to respond to a request for a license. Therefore, a small delay means that requests will be made very frequently.

Default: 0

`-licRetryMillis <milliseconds>`

This parameter specifies delay between attempts to contact the license server and attempts to get a license once the RIP has connected to the license server. The maximum value is 240000 milliseconds (4 minutes). The default is probably appropriate to most situations.

Default: 5000 milliseconds.

`-reset`

This performs a factory reset on startup, and so use this option with caution. Most parts of the configuration can be reset including; page setups, RIP configuration, media management information, and window positions. A dialog box appears asking if you wish to return to the factory defaults. If you click **Yes**, the RIP allows you to reset or keep specific parts of the configuration, one after the other.

`-service <service number>`

A magic number specifying which service is using the RIP:

-1 = no service

0 = SOAR

1 = JDF

2 = Print Production Manager

The following additional option is available on Mac OS X:

`-help`

This option lists the available arguments.

The following additional options are available on UNIX:

`-force <option>`

Force the use of the instance number specified using the `-instance` option, overriding any previously used instance number.

`-help`

This option lists the available arguments.

- `-shared <n>` Identifier of shared memory area for asynchronous actions. With this option you can create a shared memory area before running the RIP and get the RIP to use it in connection with its signal handling.
- `-swroot <dir>` Specifies the location of the directory for the RIP configuration files.

The following additional options are available on Windows:

- `-force <option>` The option to force ('instance'...), That is, it overrides any previously used instance number, forcing use of the specified `-instance` value.
- `-noexceptiondialog` Prevents display of the Windows exception dialog if the RIP crashes.
- `-nofileiomap` Use this option to disable asynchronous file I/O, (also referred to as “read ahead”). By default asynchronous I/O is used for all file access, but it can be switched to synchronous by use of the `NOFILEIOMAP` argument. For more information see Technote 014.
- `-suffix <string>` The definition of a string to be appended to the Windows taskbar RIP name.

The RIP can also take command line options to set its priority:

`/prealttime`
`/phigh`
`/pnormal`
`/pidle`

We recommend that `/phigh` is used if secondary processes are also being carried out, unless the RIP performance is not a major issue and there are no time-critical phases, such as output driving.

4 Using command lines in a SOAR RIPExecPart config file

In a SOAR RIPExecPart config file each switch must be on a separate line, as follows:

```
-command  
<argument>  
<argument>
```

for example:

```
-licenceRetries  
50
```

5 LOGFILE (Windows only)

From v8.2 of the Harlequin PLUS Server RIP the command line startup parameters are added to SW\LOGFILE for debugging purposes.

Any command line option is listed whether it was handled or ignored.

This is only available on Windows and only for the GUI RIP.

Example logfile output is:

```
STARTUP: Handled command line options:  
STARTUP:  GUI  
STARTUP:  LICENCERETRIES 1000  
STARTUP:  RESET  
  
STARTUP: Ignored command line options:  
STARTUP:  HEDLESS  
STARTUP:  MYOPTION 37
```

Where “HEDLESS” and “MYOPTION 37” are invalid commands.

6 Document history

Change history		
v1.0	May, 2006	New Document
v1.1	August, 2006	Added priority options.

Change history		
v1.2	Sept., 2007	Changed section 2 path entries. Added section 4 and the <code>-headless_original</code> option.
v1.3	Nov, 2007	Update copyright, removed superfluous graphics.
v1.4	Sept. 2009	Add LOGFILE information.



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