

Chapter 6: Automated Logbook Entry and Archiving

In this chapter we describe the process of setting up an autoscheduled logbook entry job.

6.1 Overview of the Autoschedule Feature

Automatic, scheduled logbook data entry is a configurable feature of **CRL**. If your experiment's **CRL** implementation supports it, you should have a scheduled container (described in section 1.2.3 *The CRL Desktop*) available on a desktop page. In this type of container, you can set up a job that generates entries automatically according to a schedule that you define. You must use a data type (a data entry toolbar) that:

- requires no operator input
- points to a particular file from which it can upload data automatically into an entry (this assumes the file is periodically overwritten by an external program), or runs a program and uploads the output automatically into an entry

To start a job, you drag-and-drop the appropriate toolbar into a scheduled container. This pops up the **SCHEDULE** dialog box in which you must set the scheduling parameters. Once a job is started, **CRL** performs the following steps automatically:

- for each scheduled file read, it creates an entry in the selected container
- it reads in the file and displays its contents (text or image, as appropriate) under the entry header
- it archives the entry automatically
- it may remove from view earlier entries as newer ones are added, if set

It is possible to set up multiple jobs to run concurrently in a single scheduled container.

6.2 Setting up an Autoscheduled Job

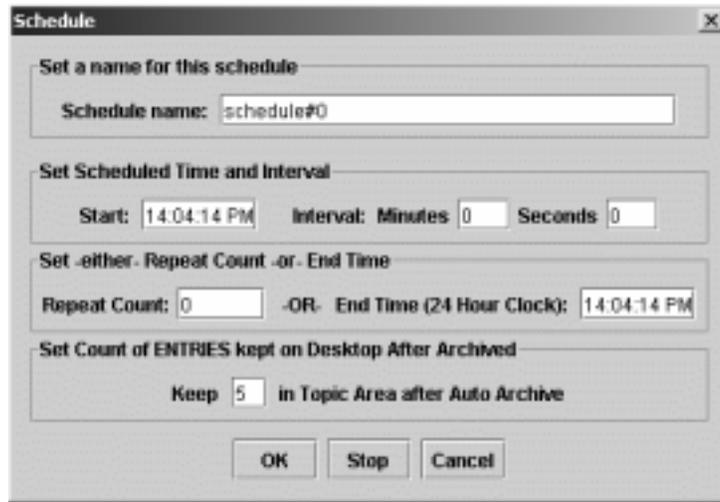
6.2.1 Open a Container and Select Entry Source

To set up scheduled logbook entries, first open the appropriate container:

- 1) Select the tag at the top of the **CRL** window to display the appropriate input page.
- 2) From the horizontal row of menu headings along the top of the page, select the one that corresponds to automated or scheduled entries (heading text is configurable, thus varies by experiment).
- 3) From its pull-down menu (or cascading pull-down menus), choose the category/topic appropriate for the logbook entries you intend to add. An input container for scheduled entry pops up.
- 4) Select the appropriate data type from the logbook entry toolbar at the right of the **CRL** window. (See section 6.1 *Overview of the Autoschedule Feature* for information on the data types that can be used.)
- 5) Drag-and-drop the toolbar button into the container. A **Schedule** dialog box pops up in which you will need to set up the job, as described in the next section.

6.2.2 Provide Autoscheduling Parameters

In the **Schedule** window, shown below, you must specify the scheduling parameters for the job.



The parameters you need to set include:

- a name for the job (Schedule name), used to identify the job's entries in the **ENTRY SCHEDULER** window (described in section 6.2.3 *Change Scheduling Parameters or Stop Job*)
- the start time (for the initial logbook entry)
- the interval of time (in minutes and/or seconds) to wait before each subsequent entry
- *either* the number of times entry is to be repeated *or* the clock time at which the job is to stop (if a nonzero repeat count is given, **CRL** ignores the end time)
- the number of entries that you want to keep visible in the container as they accumulate (**CRL** drops the earliest entries, leaving the most recent ones visible)

6.2.3 Change Scheduling Parameters or Stop Job

If you want to change any scheduling parameters for a job in progress or terminate a job, click the **SCHEDULER** button on the left-hand side of the **CRL** window. This brings up the **ENTRY SCHEDULER** window, containing a folder icon for each desktop, and a file icon identifying each job in progress (see image below). If you see no file icons, then there are no jobs running. Double-click the appropriate file icon to bring up the **SCHEDULE** dialog box for that job, and change information as desired, or click **STOP** to terminate the job.

