

Manually archiving using SOE Cicode functions

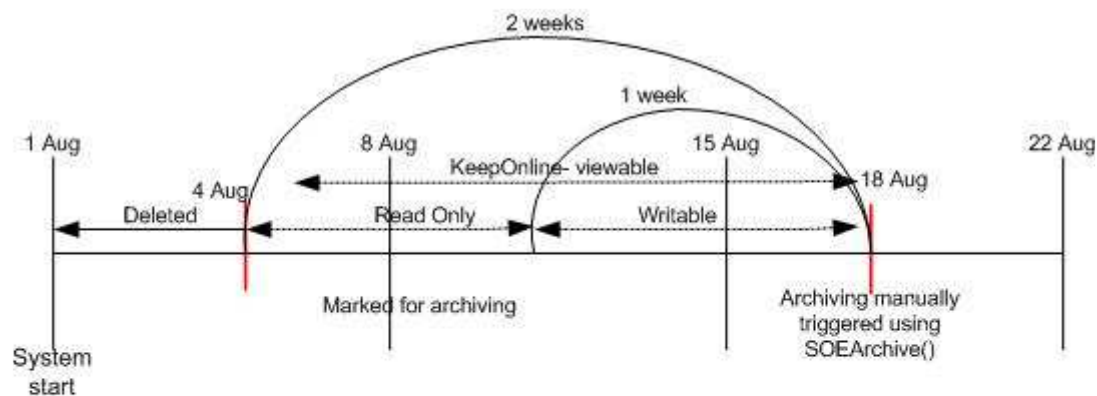
Using Cicode you can trigger archiving to occur, and mount (to view archived data) or dismount the archive volume.

Note: You need to be logged in as a user, to trigger archiving, and to mount or dismount an archive volume using cicode.

To trigger archiving:

Set function SOEArchive(). Archiving will start, using the values defined in the ArchiveAfter and KeepOnlineFor parameters.

Note: To avoid data from becoming inaccessible, run the operation every "KeepOnlineFor" weeks or within the ArchiveAfter and KeepOnlineFor period. For example, if ArchiveAfter is 1 week and KeepOnlineFor is 2 weeks manually trigger archiving after 8 days, so that all data is archived.



In the scenario above ArchiveAfter is set to 1 week and KeepOnlineAfter is set to 2 weeks. If archiving is manually triggered on Saturday 18 August 15:00:00, this means the data that was reported after midnight on Saturday 4th of August will remain viewable via the SOE page for 2 weeks. The data from before midnight on Saturday the 4th will be deleted.

Data that was reported between midnight on Saturday the 4th and midnight on Saturday 11th of August is marked for archiving and is read only.

The data reported after midnight Saturday 11th of August and the current time is unavailable for archiving as this data is still writeable.

Once executed check the location set in the ArchivePath/ArchivePrefix to see files. The directory may hold multiple files.

Note: Archived data cannot be archived again.

To view archived data:

Archived data that is no longer available online for viewing can be viewed by setting the SOEMount(String Path) function.

In mounting the volume, you are directing the server to where the archived data is stored. You are not restoring the data, merely making the data available for viewing via the SOE page. To view the data on the mounted volume you need to query the data using the filter options available on the SOE page. To view data, including data on the mounted volume, use 'page down' to query the data and bring it into the SOE page.

For mounting a volume, you should pass the volume path, which is "C:\Data\Archive20120121" rather than "C:\Data\Archive20120121\EventJournal", when calling SOEMount() cicode function. If you need to copy or move archived data to another directory, for example, from "C:\Data\Archive20120121" to "D:\Data", you will need to copy or move the entire "EventJournal" folder to the new directory. You can then invoke SOEMount("D:\Data") to restore the data from the new location.

If you no longer need to view the data on the mounted volume, SOEDismount() should be called.

Note: To call SOEMount() or SOEDismount(), user has to log in as a role who has full privilege (privilege 1..8).