**Archiving Document**

**CECS 491**

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Archiving

**Functional Requirements:**

- Definition -

On the first of every month, an archive is made of every log created older than 30 days.

- Preconditions -

The date is the first of any given month and the time is 00:00:00:00 UTC.

An existing source and target directory of the logs to be archived.

- Required Inputs -

* The source and target directory of the logging files.

- Successful Postconditions -

* Archives are saved separately from application information.
  + The Archive Destination is Configurable
* An archive is comprised of:
  + Logs Older Than 30 Days
* Archives are saved within a new file named after the current date:
  + \_YYYYMMDD.7z

- Failure Postconditions -

* Any of the successful postconditions failing.
* Failure to Archive.
  + Attempts to archive a maximum of 3 times, then notifies the system administrator. System prevents further archiving of that specific entry.
  + This operation is then logged.

**Non-Functional Requirements:**

* Archives should be sortable by Timestamp.
* Archive Timestamps should be accurate.
* The archiving process should take a maximum of 10 seconds.

# Archiving Low Level:

