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JOB STORAGE ARCHITECTURE FOR HP SINGLE AND MULTIFUNCTION LASERJETS DEVICES

Any print job that is stored on the hard disks of an HP LaserJet printer or multifunction device is not saved in a viewable format (i.e. Postscript, PCL, etc).

Jobs sent to the device and stored on the hard drive for the purposes of *Private Print*, *Proof and Hold* or the *Job Storage* features will adhere to the following sequence of events in preparation for output.

Once the HP LaserJet printer receives a print job that will be stored, the job is parsed into a proprietary code, which the laser within the printer can understand. A job manager in turn stores the information under dedicated folders to the hard disk.

The job is stored in folders as follows:

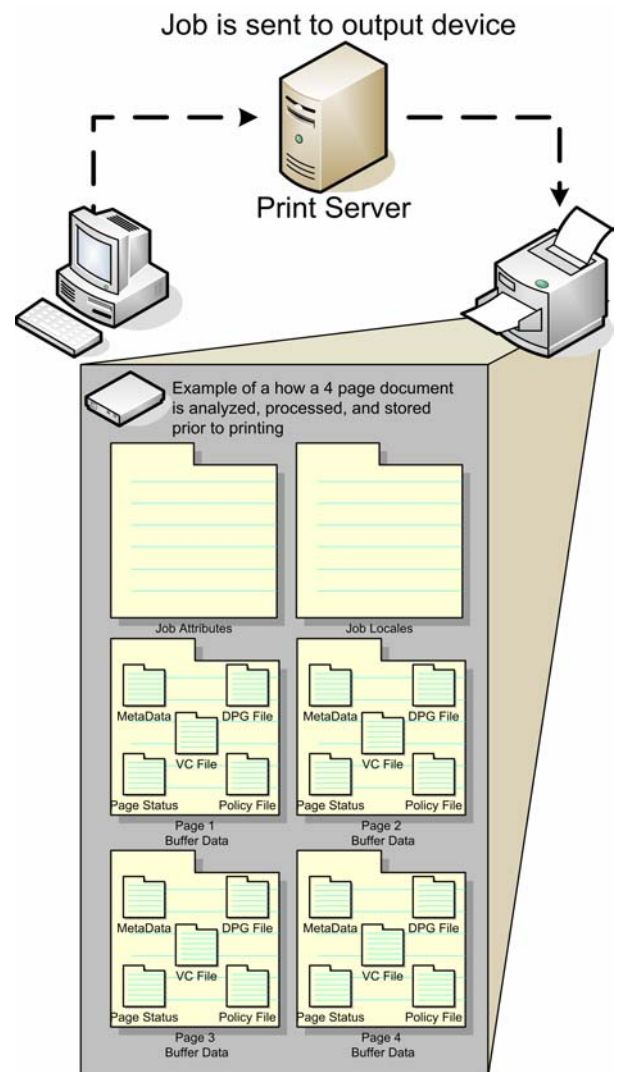
- The job attributes are stored in one folder.
- The job locales are stored in a separate folder.
- The buffer data of each page of each job is stored in its own individual folder.
- Under the folder of each page, there are 5 subfolders.
- In these 5 folders, the page metadata, the DPG file, the VC file, page state and policy file are stored.

A *Stored Job* is retained on the hard drive of the device until either a user or System Administer deletes the document. The intent of this function is to retain public documents for convenience printing such as manuals common forms etc.

A *Private Print* or *Proof and Hold* Job is retained on the hard drive of the device until the document is selected to be printed after which the pointer to the job is deleted and is no longer printable or accessible by users.

Jobs sent to the device for immediate printing without the intent of storage or later retrieval as is done with the *Job Storage*, *Private Print* and the *Proof and Hold* option are processed in the order received by following the same sequence described above. Buffer data from the job in this case is deleted upon verification of successful print.

Accessing the buffer data that comprises each document would not be sufficient for converting the information into viewable data. All the information would need to first be retrieved from the various dissimilar folders, puzzled together and compiled in the same order as the original to be understood. Additionally, this effort would have to be done for each page of the desired document and subsequently differentiated from other documents and folders containing data on the drive.



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