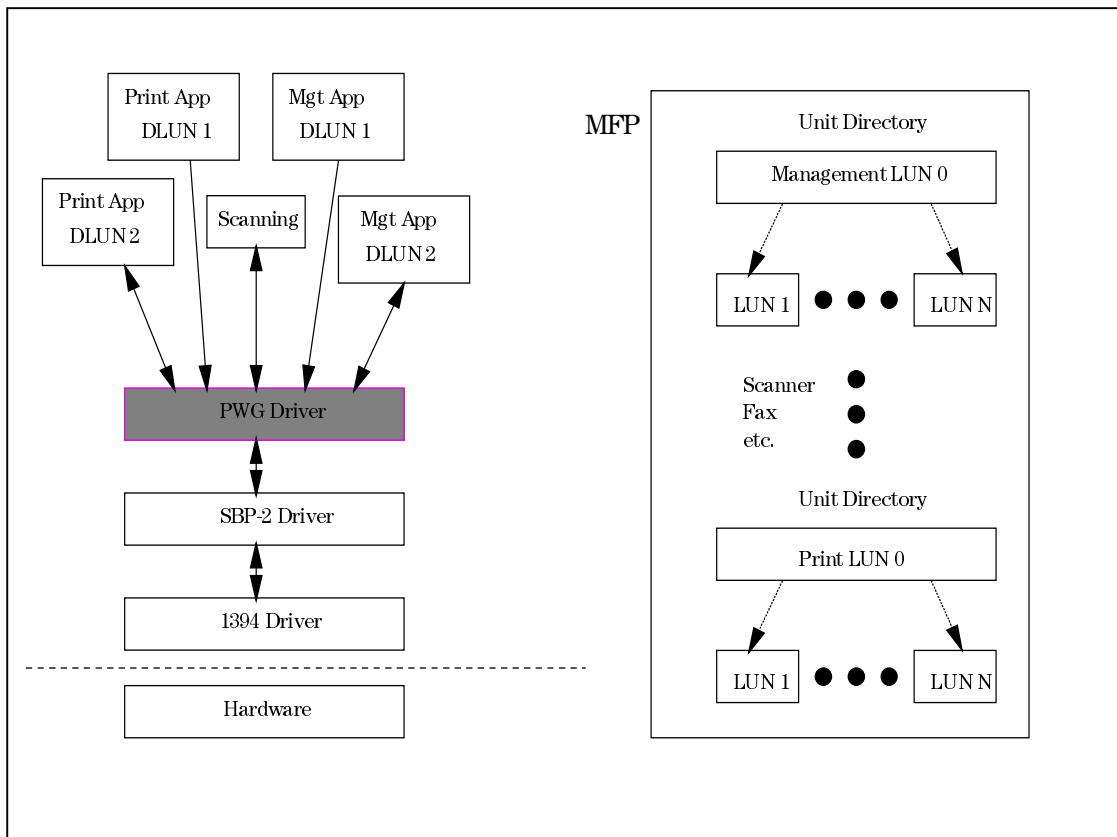Dynamic LUN
Rev. 0.01
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This write up will attempt to document the dynamic LUN discussion we had at the Portland 1394 PWG meeting in April 1998.

It was suggested that we use a Dynamic Logical Unit scheme to multiplex applications to device functions.

It was proposed that applications Login to LUN 0 and then receive the Dynamic Logical Unit that will be used for that applications connection. The figure below illustrates the result of 2 Print Apps and 2 Management apps logged in to Dynamic Logical units 1 & 2.

While I think this scheme could be made to work. I do not think it is a good use of the low level SBP-2 login.

It makes reconnect more complicated. The initiator has to remember what Dynamic LUNs were connected and the target has to insure that reconnects get assigned the same LUN they had before? With real LUNs the LUNs can be discovered easily.

It seems like this connection from an application to a device should be handled by a command. The SBP-2 driver can map connections to something like a socket ID or use some other OS method.

Comments?