



Figure 1: **hFAD Architecture** Index stores combined with arbitrary-length extents provide the primary means of accessing stable storage. A POSIX interface can easily be implemented on top of these services.

Use	Tag	Value
POSIX	POSIX	pathname
Search	FULLTEXT	term
Manual	USER	logname
	UDEF	annotations
Applications	APP	application name
	USER	logname
FastPath	ID	object identifier

Table 1: **Type/Value pairs for different API uses.** Callers into the Native API use different tags to identify different kind of values. For example, a regular keyword search specifies the FULLTEXT tag for all search terms. Applications tag items with the application name and the user who ran the application. Users can also add tags manually using the UDEF tag.

Borrowed from Margo Seltzer and Nicholas Murphy. Hierarchical File Systems are Dead. HotOS'09. <https://www.seltzer.com/assets/publications/Hierarchical-File-Systems-Are-Dead.pdf>