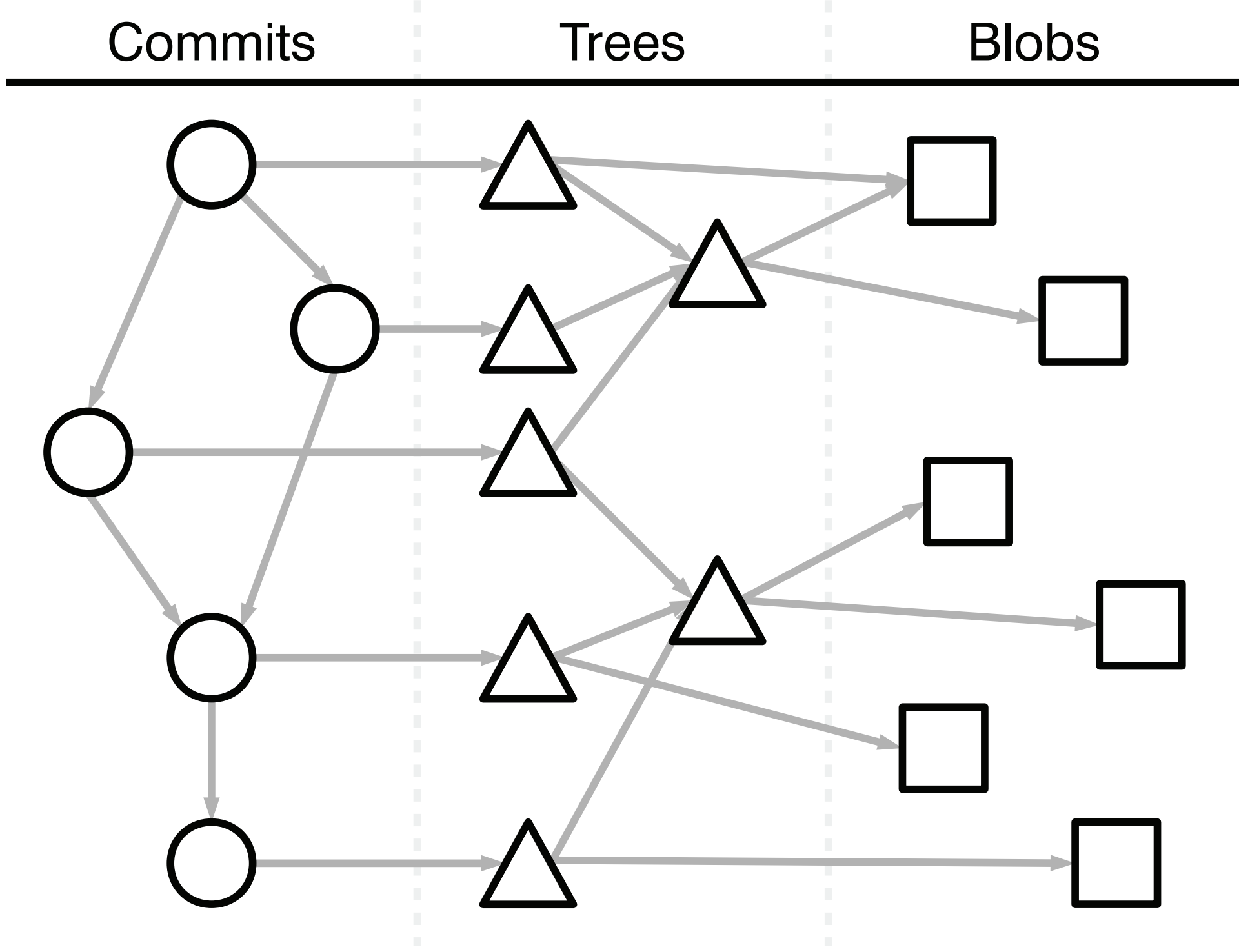
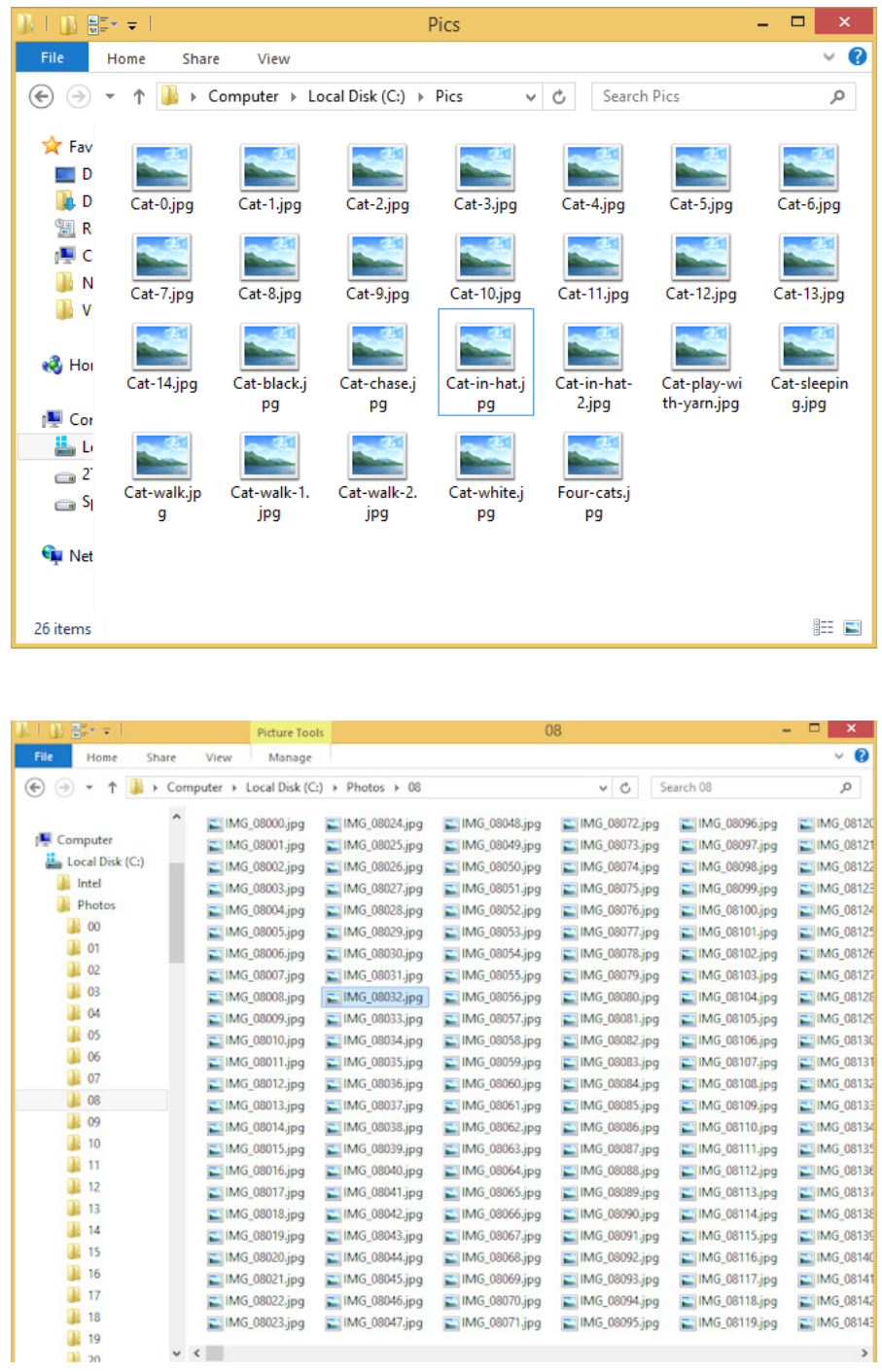


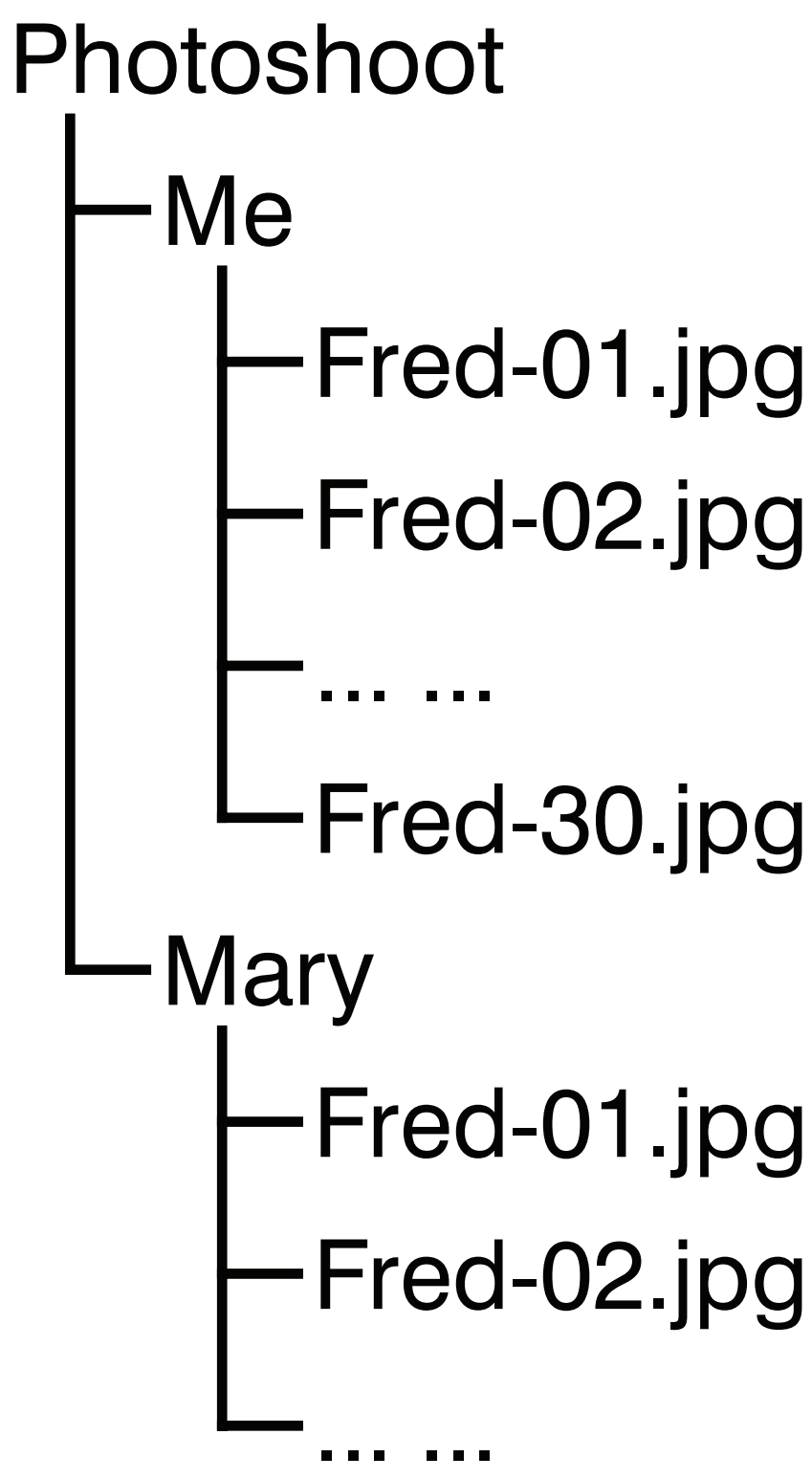
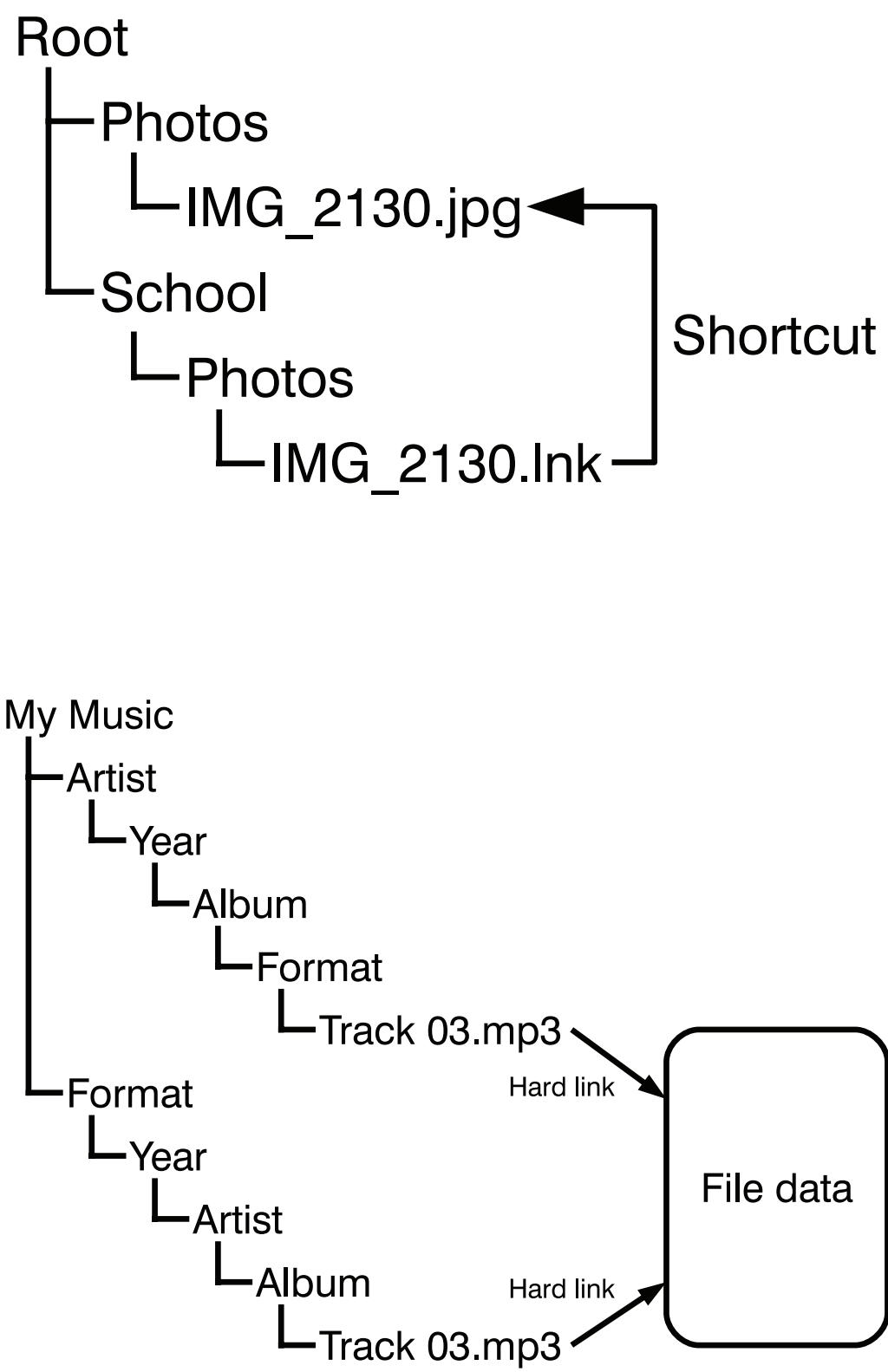


The Associative File System: Data Relationship Graphs

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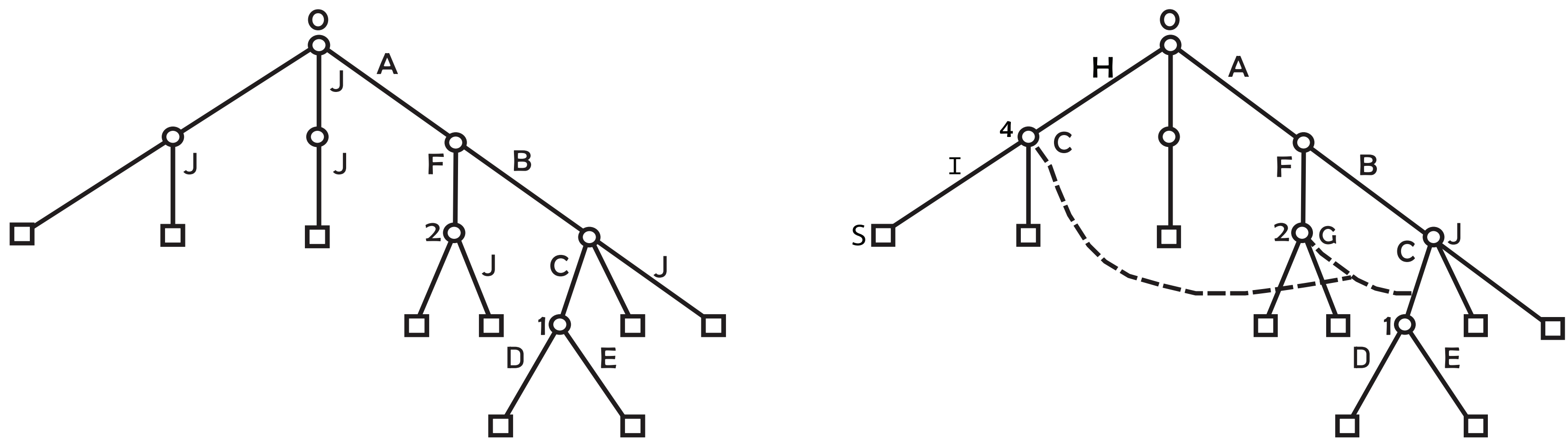


Source: <https://www.nayuki.io/page/designing-better-file-organization-around-tags-not-hierarchies>

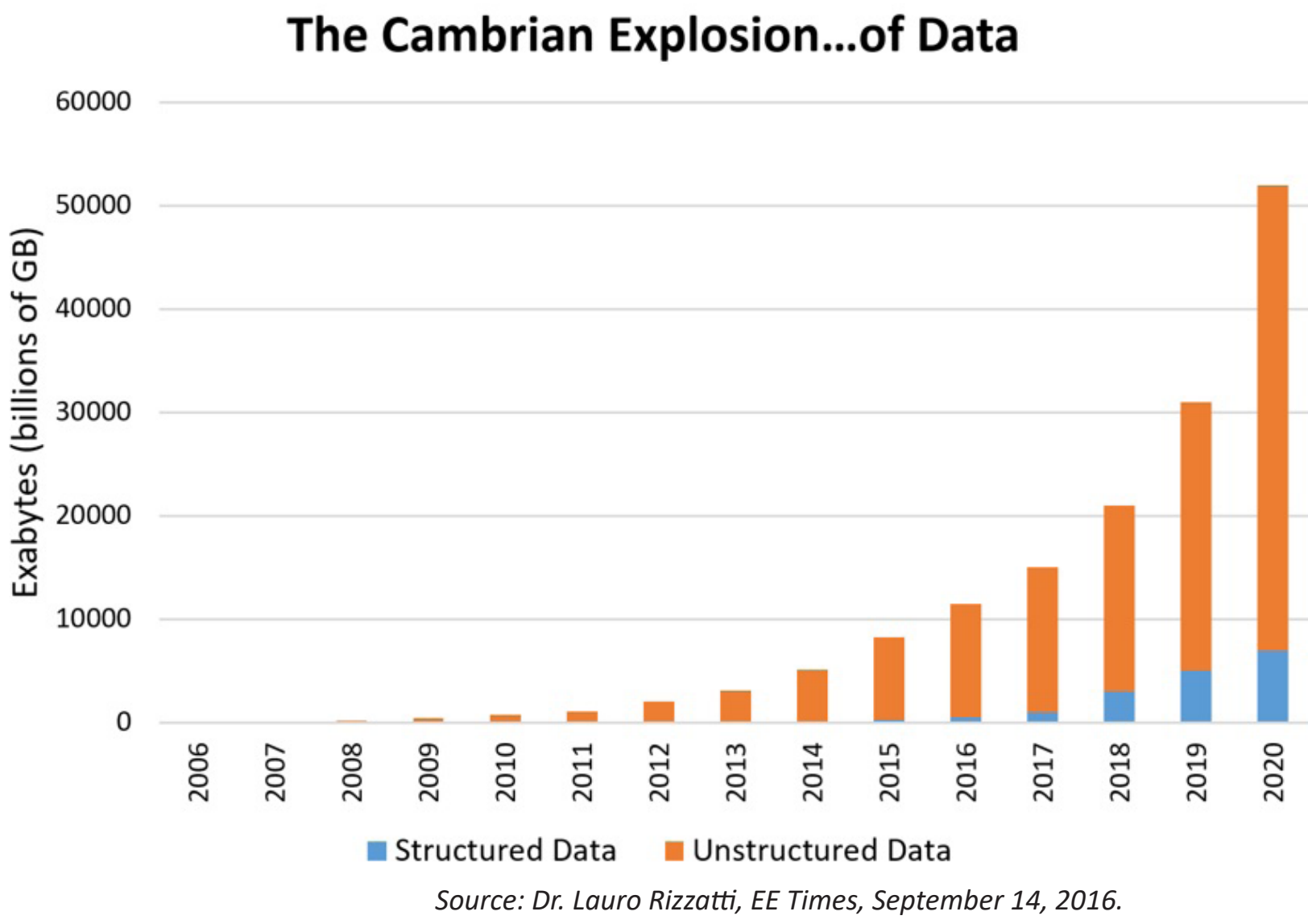


Challenge: Finding What We Need

Restrictive Organizational Model



Source: R. Daley and P. Neumann, "A general-purpose file system for secondary storage," in *Proceedings of the November 30–December 1, 1965, fall joint computer conference, part I. ACM, 1965, pp. 213–229.*



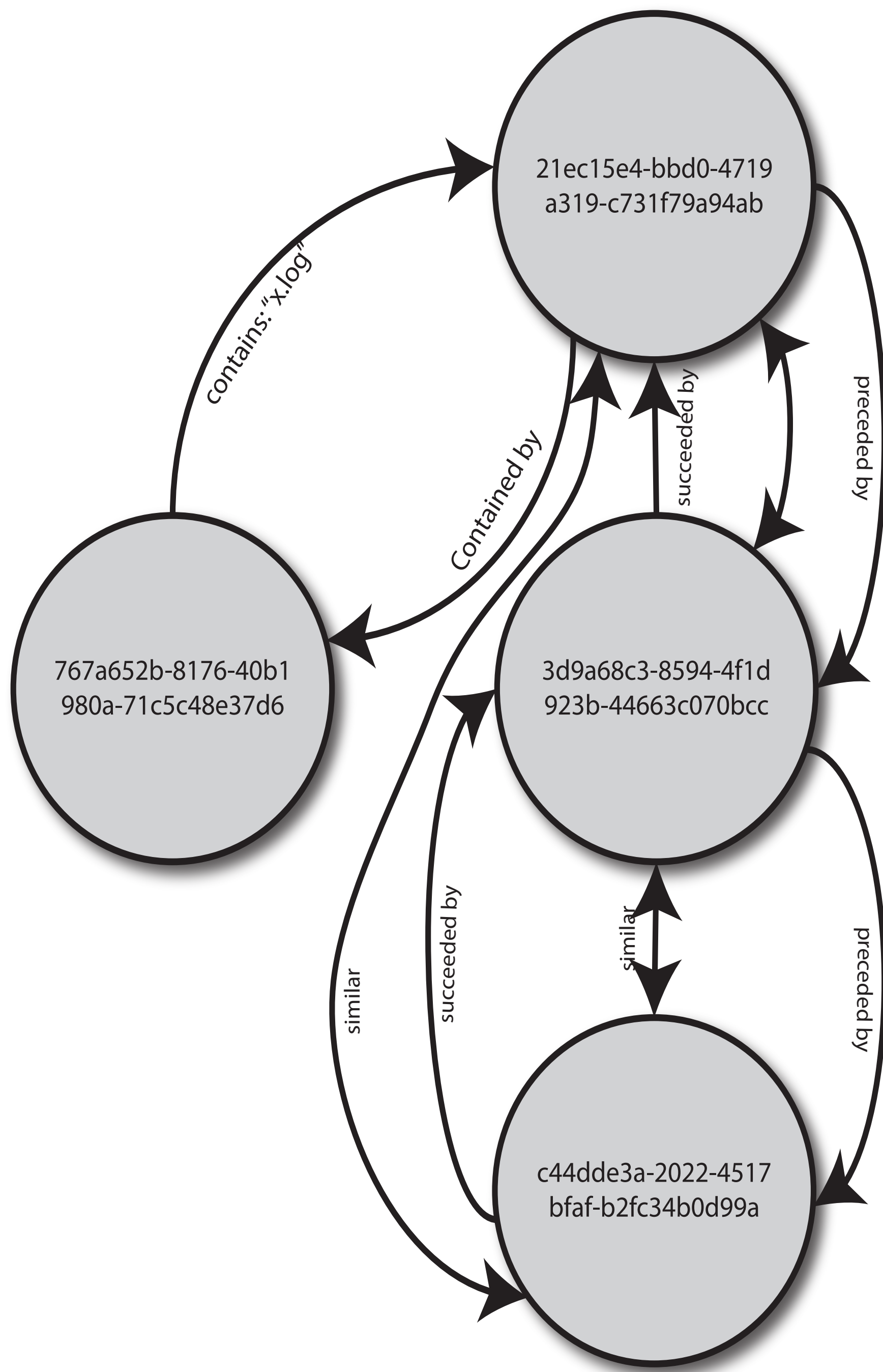
HIERARCHICAL FILE SYSTEMS — SERIOUSLY LIMITING

First Class Data Relationships



Assets
files
relationships
labels
properties
links

Relationships
similar
precedes/succeeds
contains
contained by
derived from
linked to



Operations
create
relate
label
set
remove

Graph File System: Capturing File Relationships



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