Test - Setup Profile: Trees

The initial dataset to load into the repository before testing proper begins.

This dataset is designed for the testing of hierarchical data and cascading operations (primarily delete).

Broad and shallow tree:

Parameter	Suggested values	Notes
Number of containers	1000 X 10,000 X 2	1000 containers, 10,000 children per container, 2 grandchildren per child
Average number of binaries per container	2	
Standard deviation of binary per container	0	
Average size of binary	1024	approx. 40GB of data
Standard deviation of binary size	0	
Average number of properties per resource	1	fcr:accessroles (for authorization testing; should be ignored if authz is turned off)
Standard deviation of properties per resource	0	
Is binary data random?	Yes	

Narrow and deep tree:

Parameter	Suggested values	Notes
Number of containers	10^8	10 containers per level, with ten children each, for eight levels
Average number of binaries per container	2	
Standard deviation of binary per container	0	
Average size of binary	1024	approx. 200 GB of data
Standard deviation of binary size	0	
Average number of properties per resource	1	fcr:accessroles (for authorization testing; should be ignored if authz is turned off)
Standard deviation of properties per resource	0	
Is binary data random?	Yes	

Broad and deep tree:

Parameter	Suggested values	Notes
Number of containers	100^6	100 containers per level for six levels
Average number of binaries per container	1	
Standard deviation of binary per container	0	
Average size of binary	10	approx 1TB data
Standard deviation of binary size	0	
Average number of properties per resource	1	fcr:accessroles (for authorization testing; should be ignored if authz is turned off)
Standard deviation of properties per resource	0	
Is binary data random?	Yes	