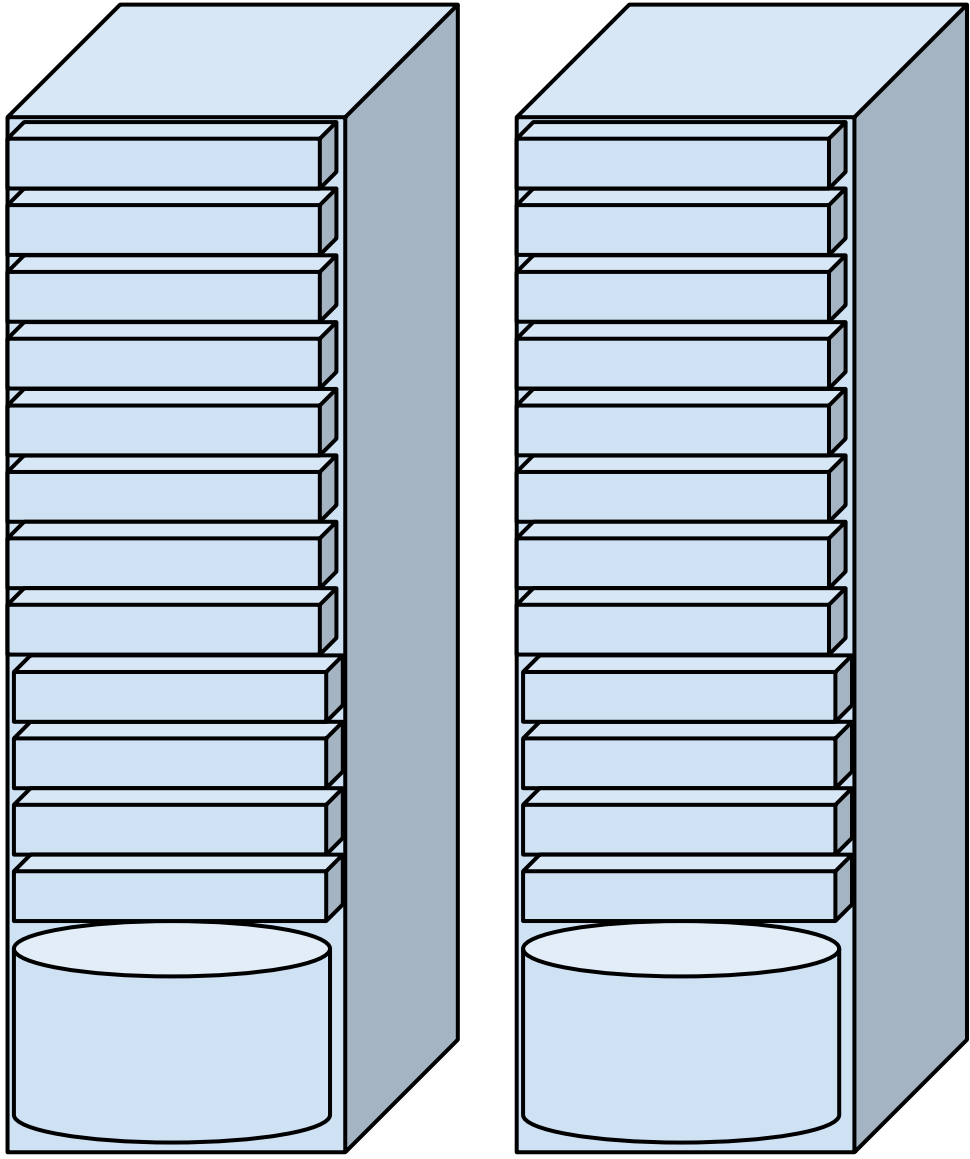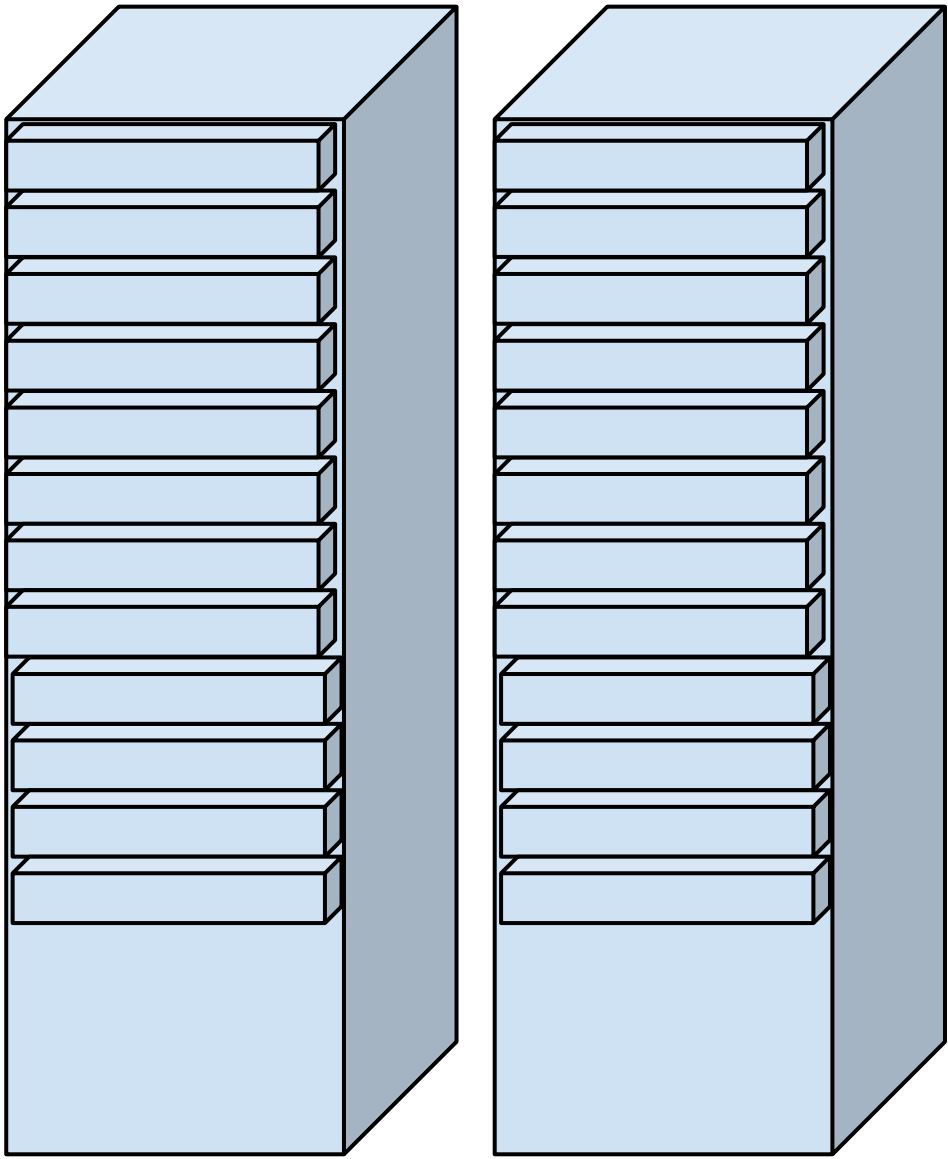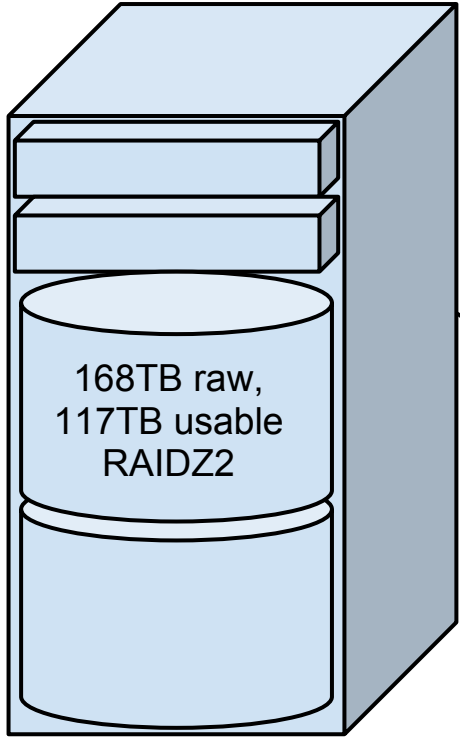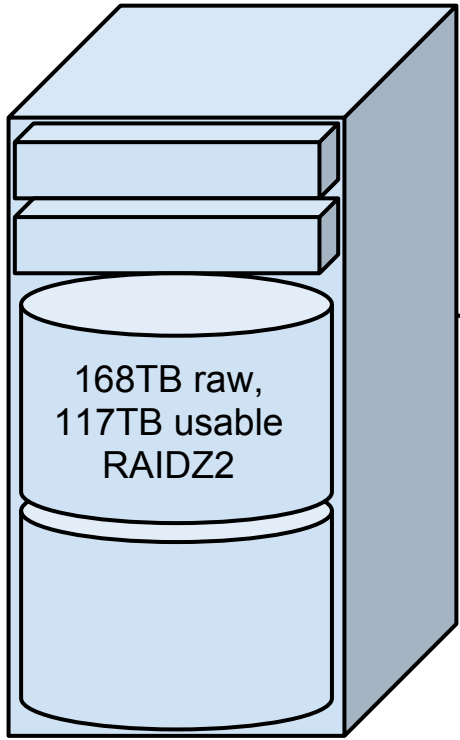Compute Rack - 12 compute systems, each consisting of 4 nodes (48 nodes total), each node having 12 cores, 48GB RAM, 2xGigE, 1xQDR (36 Gbps). Local 100TB storage system

Reference System - 235TB usable, HA nodes

Storage Node - 470TB usable, HA nodes

Reference systems now in production can have two more arrays added, so that they can be redeployed and integrated into the MassIVE storage system.

168TB raw, 117TB usable RAIDZ2

168TB raw, 117TB usable RAIDZ2

168TB raw, 117TB usable RAIDZ2
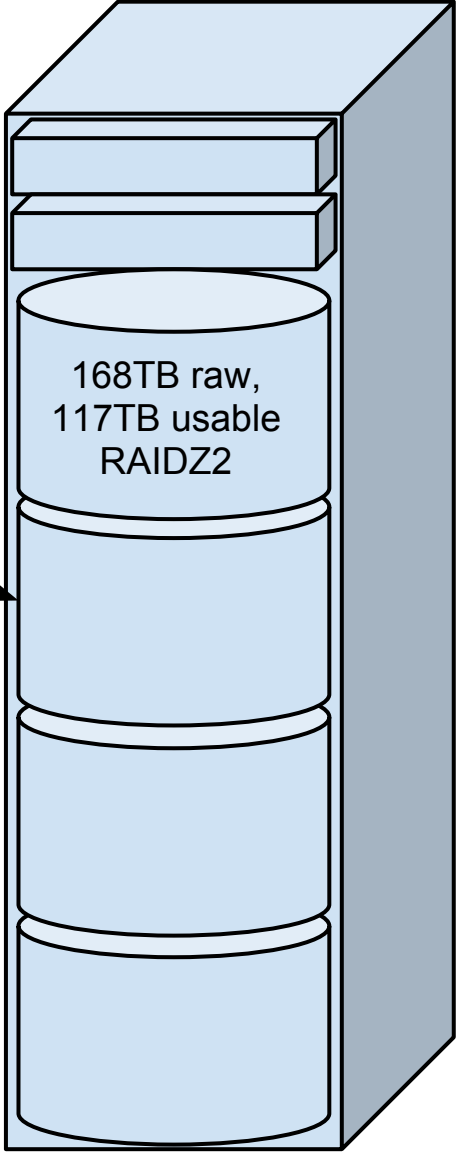
168TB raw, 117TB usable RAIDZ2

Expansion to compute cluster (numbers are estimates) - two additional racks - each rack with 12 compute systems, consisting of 4 nodes (48 nodes total), each having 12 - 16 cores, 96 - 128 GB RAM, 2xGigE, 1xQDR (36 Gbps).

168TB raw, 117TB usable RAIDZ2

168TB raw, 117TB usable RAIDZ2

168TB raw, 117TB usable RAIDZ2

168TB raw, 117TB usable RAIDZ2