

Title (en)

MANAGING STORAGE RESOURCES ATTACHED TO A DATA NETWORK

Title (de)

VERWALTUNG VON SPEICHERBETRIEBSMITTELN, DIE AN EIN DATENNETZWERK ANGESCHLOSSEN SIND

Title (fr)

GESTION DE RESSOURCES DE STOCKAGE RATTACHEES A UN RESEAU DE DONNEES

Publication

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Application

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Abstract (en)

[origin: WO03050707A1] A computer network includes multiple storage nodes (103a-106a) each having a physical storage resource (121a). A system management server (150) on the network (100) identifies the physical storage (121a) on the network (100) and collects it into a virtual storage pool (160). When an application (121) executing on a storage client accesses network storage, the system management server (150) allocates a segment of the virtual storage pool (160) to the application. The segment of the virtual storage pool (160) is stored on a physical storage (121a) resource on the network (100). The system management server monitors the application's use of the network storage and transparently and dynamically re-allocates the virtual segment to an optimal physical storage resource.

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