



RepliWeb Large File Accelerator

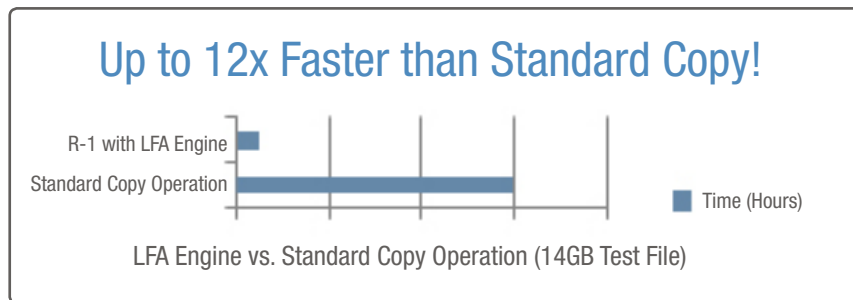


High-Speed Transfer for Large Files

RepliWeb's Large File Accelerator (LFA) protocol is a high-speed file transfer engine that accelerates the delivery of large file assets over distributed networking environments. LFA is ideal for accelerating deployments of files like ISO images, virtual machine images, large application files, VR / CAD modeling files, and digital media.

LFA has delivered more than 12x transfer/deployment acceleration over legacy copy operations and FTP – over the same network connections – resulting in significant improvements in IT productivity and project completions.

Case in point was a RepliWeb customer in the global financial services industry. While managing a large-scale datacenter migration, they compared a 14GB standard (WAN) copy with an R-1 / LFA transfer over the same connection. The standard copy process took three hours, whereas R-1 / LFA was able to complete the transfer in 15 minutes.



Why LFA?

Sending large files across a distributed environment can be challenging. As file sizes increase, distributed file transfers suffer from bandwidth limitations, general performance degradation and application failures related to TCP/IP latency and packet loss. RepliWeb's innovative LFA transfer engine overcomes these limitations with a more intelligent approach to file transfer.

Core Technology

- **Differential Transfer** – The LFA engine analyzes the source and target(s) prior to initiating a file transfer, then transfers only the differences (deltas) to the target server(s).
- **Multi-Session Transfer** – Large files are broken into smaller, more manageable “chunks”, which can then be transferred concurrently over parallel connections. For example, when LFA is configured to use 5 sessions, a 5MB file will be broken into 5 smaller pieces that are then transferred at the same time over 5 different connections.
- **Concurrent Transfer** – Boosts performance by executing simultaneous transfers of multiple files or parts of files.
- **Automatic Block-Level Recovery** – Allows an interrupted file transfer to continue from the exact point of failure.
- **Smart, Transparent Compression** – LFA's compression engine provides an extremely high level of performance. It can also be configured not to compress files below a certain size threshold or file formats that are already compressed.

Business Benefits

- Accomplish complex WAN deployment jobs in minutes, not hours
- Complete “off-hours” deployments and backup operations up to 12x faster
- Deliver large, time-sensitive updates and/or migrations with time to spare

Key Features

- Full SSL Support
- Firewall-friendly configuration using a single TCP port
- Transactional File Delivery (updated files are staged, made available upon completion or at a preconfigured time or date)
- Cross-platform support (Windows, UNIX, Linux)

LFA-Enabled Products

- **RepliWeb Deployment (R-1)** uses LFA for the deployment of large file assets across distributed infrastructures
- **RepliWeb Directory Synchronization (RDS)** accelerates simple replication processes with LFA



RepliWeb

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