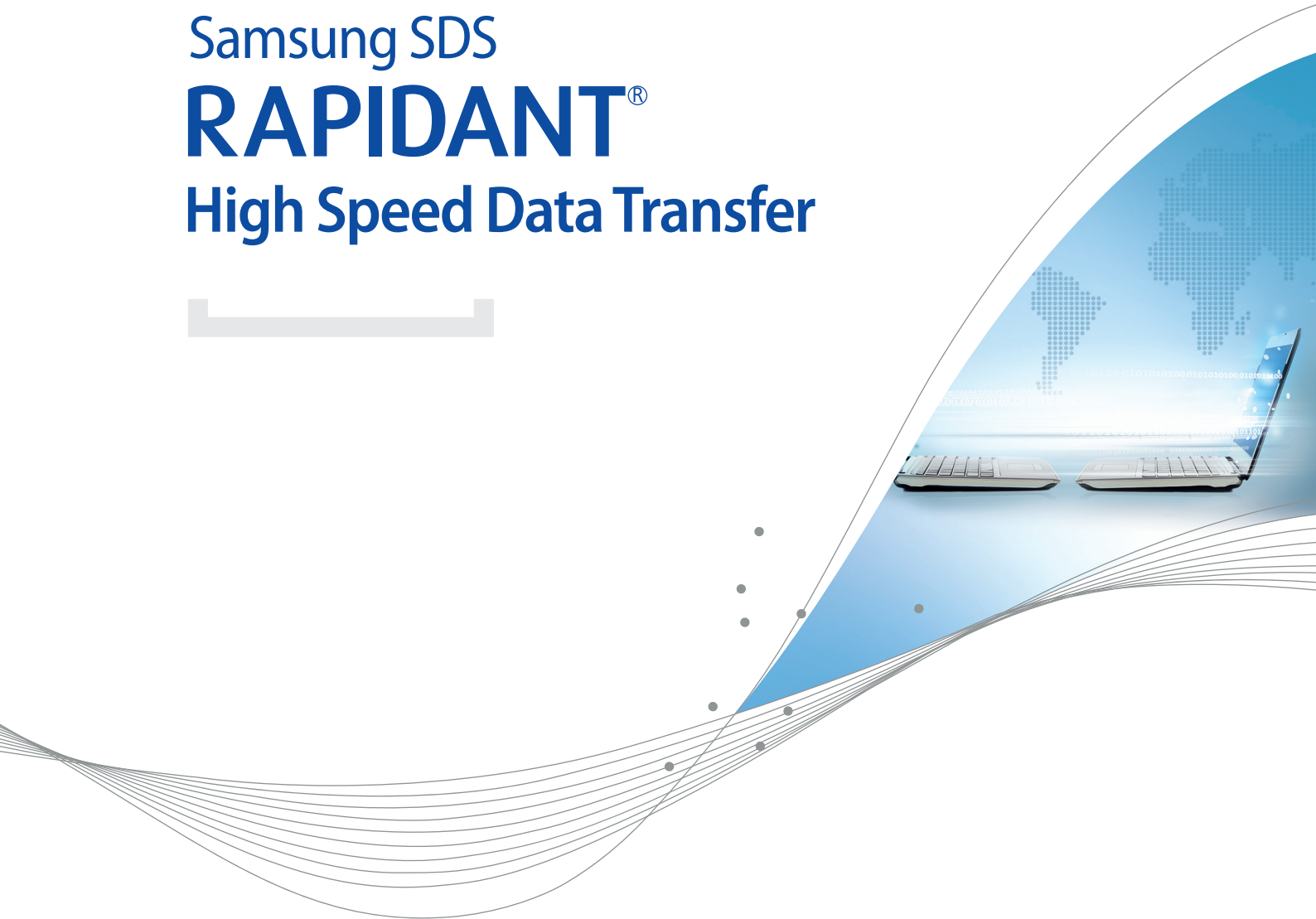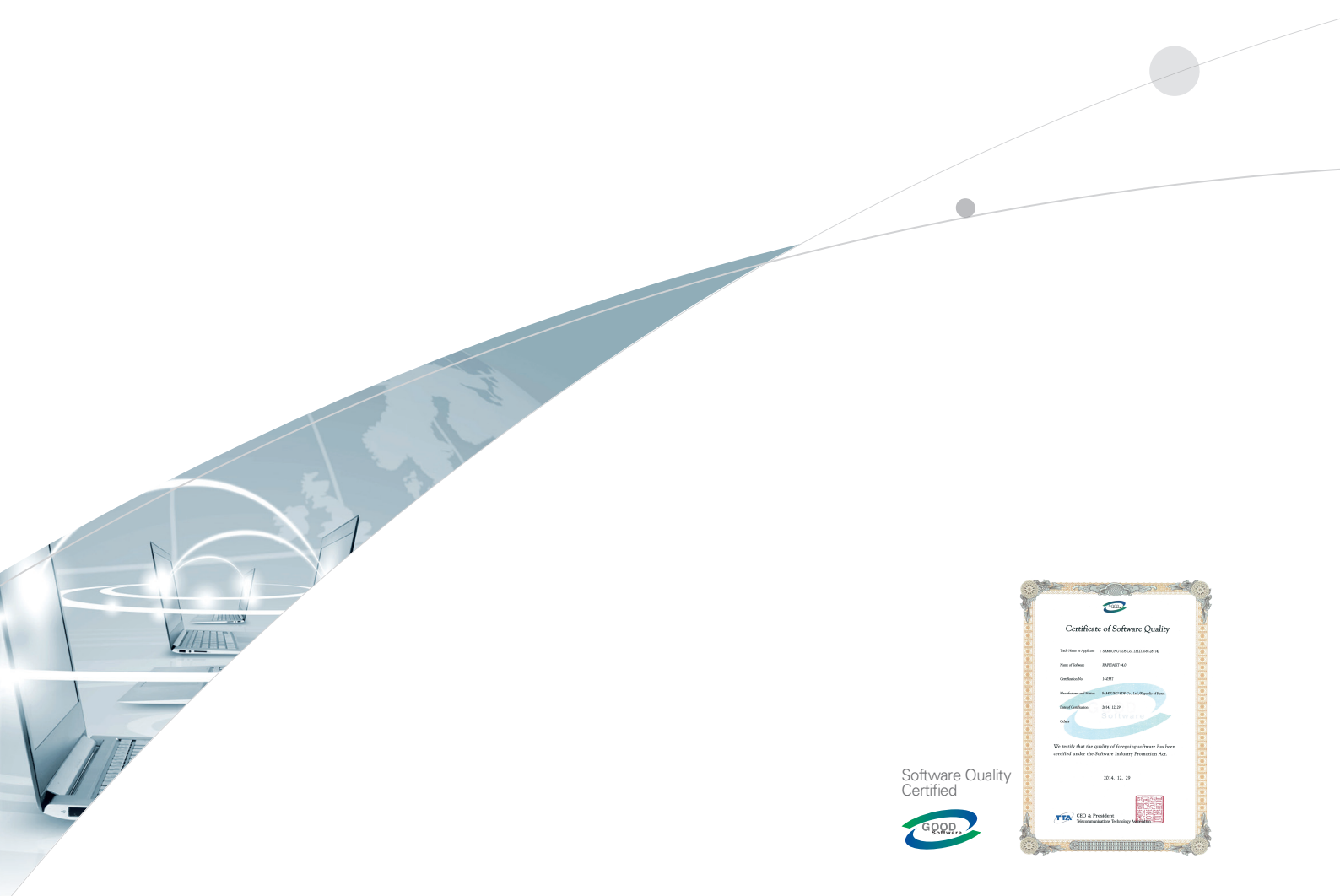Samsung SDS
RAPIDANT®
High Speed Data Transfer

Overview

IT advancement and ever-changing business environment have led increasing data usage in manufacturing, research, design, marketing. Time and cost to send and receive data has also been increasing.
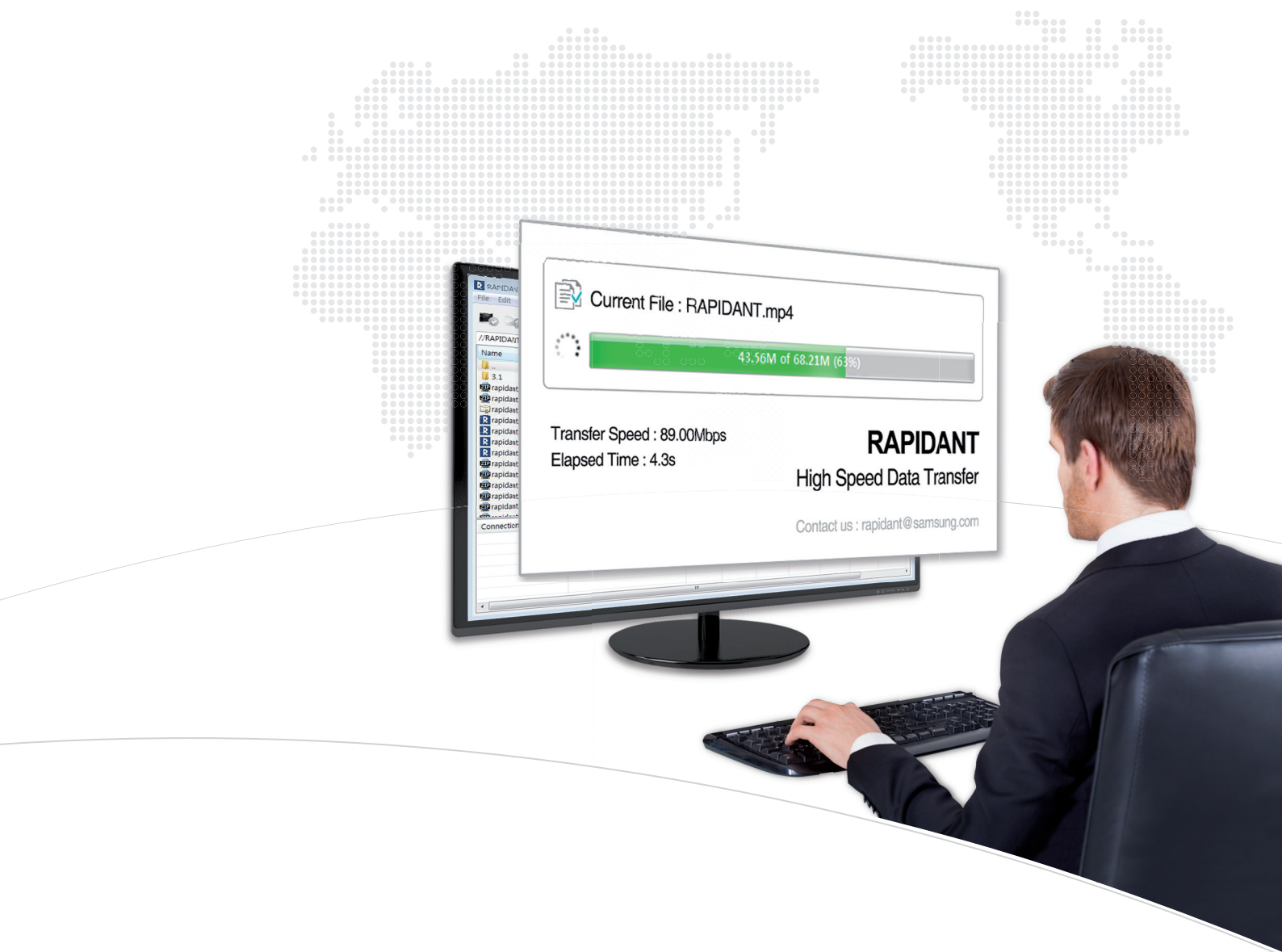
Haven't you ever been frustrated by the constraints?
Slow file transfer, disconnected file transfer, manual sharing to meet the delivery time, and checking the deliverance.

Speed of transferring large capacity data determines global business competitiveness.

Software Quality
Certified

Current File : RAPIDANT.mp4

43.56M of 68.21M (63%)

Transfer Speed : 89.00Mbps
Elapsed Time : 4.3s

RAPIDANT
High Speed Data Transfer

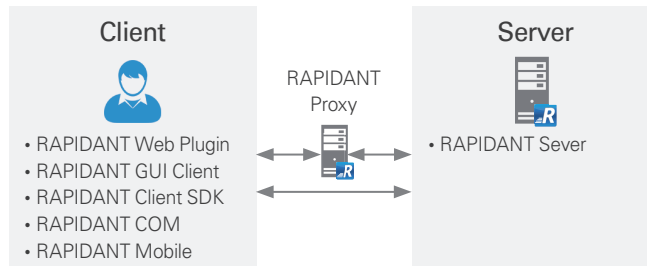Contact us : rapidant@samsung.com

Samsung SDS RAPIDANT is

a software-based high speed data transfer solution

which enables low cost, high efficiency network, and improves transfer speeds.
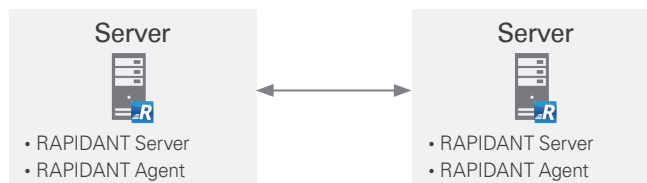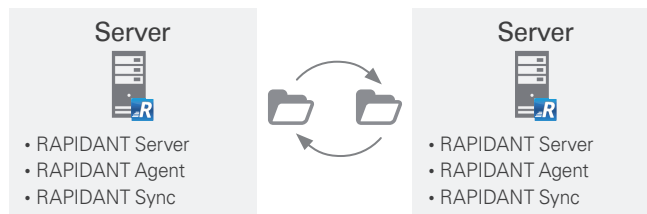
Samsung SDS **RAPIDANT**
Solution configuration

Client-Server File Transfer

Client

RAPIDANT Proxy

Server

- RAPIDANT Web Plugin
- RAPIDANT GUI Client
- RAPIDANT Client SDK
- RAPIDANT COM
- RAPIDANT Mobile

- RAPIDANT Sever

Server-Server File Transfer

Server

- RAPIDANT Server
- RAPIDANT Agent

Server

- RAPIDANT Server
- RAPIDANT Agent

Server-Server File Synchronization

Server

- RAPIDANT Server
- RAPIDANT Agent
- RAPIDANT Sync

Server

- RAPIDANT Server
- RAPIDANT Agent
- RAPIDANT Sync

	Module	Description
Client Group	RAPIDANT Web Plugin	Client module available on the web browser
	RAPIDANT GUI Client	Client modules which can be operated exclusively in the PC environment (provide user interface that is similar with FTP)
	RAPIDANT Client SDK	Java, Android based application developing tool
	RAPIDANT COM	Client module which is for interlock with Windows(.NET / MFC / Win32) client/server environment
	RAPIDANT Mobile	Client module which is for RAPIDANT use in mobile (Android) environment
Server Group	RAPIDANT Server	Server module which processes transfer request of RAPIDANT client group
	RAPIDANT Agent	Interlocking module which transfers from legacy system to RAPIDANT server
	RAPIDANT Proxy	Modules which relays external and internal RAPIDANT TCP connection in DMZ configured network environment
	RAPIDANT Sync	Module which synchronize at least two remote large capacity data automatically

Key benefits and features of Samsung SDS RAPIDANT

SPEED

Simple software installation enables 100 times fast data transfer

Supports both TCP and UDP

- Improve the weakness of existing protocol with RAPIDANT TCP/UDP transfer method
- Enable to select TCP/UDP method depending on the security policy and network condition
- Get additional accelerating benefits through synergy effect with WAN accelerator

High speed transfer of large capacity/quantity file

- Stable high-speed transfer is available regardless of file size or file number

STABLE

Data integrity guaranteed through a two-step verification

Automated retransfer

- If a file transfer is stopped during a transmission, it will automatically continue to retransfer from the point it stopped.

Double checked integrity

- Check the integrity while transferring file. After file transfer completed, the integrity of the entire file is checked again to prevent omission or duplication

Enhanced security features

- Restrict access user by authentication features
- Supports SSL, AES encryption when transferring files

SMART

Improve user convenience by automatic synchronization

Synchronization

- Detect the changes in remote file systems automatically and synchronize the changes by high-speed transfer

Convenient system connection

- Provide scalable server plugin and client SDK to have convenient connection with the existing or new system

Efficient bandwidth management

- Provide bandwidth management features which enable to use the network efficiently with other systems

Real-time monitoring and reporting

- Provide file name, requestor, time, transfer status, transfer speed of transferring file. Enable to stop file transfer to server by force
- Provide detail history information
  (access information, transfer speed per hour, file transfer history etc.)

Success stories

Case 1

Local and global users directly access to servers to download files
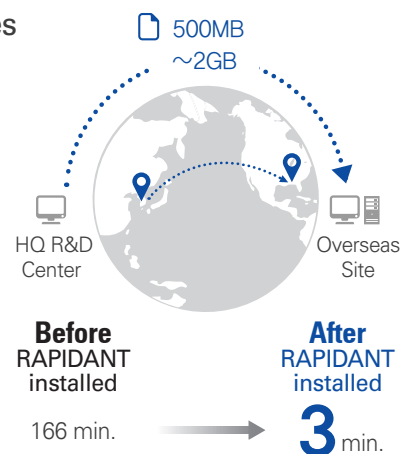
Description
Global worksite testers simultaneously download large file from headquarter across remote, geographically dispersed locations, in a global software development collaboration project

Benefits
- Stability of transfer guaranteed by retransmission function
- Business improvement due to lower cost compared to increasing network bandwidth

Applied Module
☑ Server ☑ Client ☐ Agent ☐ Sync

500MB ~2GB

HQ R&D Center

Overseas Site

Before RAPIDANT installed

166 min.

After RAPIDANT installed

3 min.

Case 2

Share large capacity document utilizing cloud across headquarter and project sites
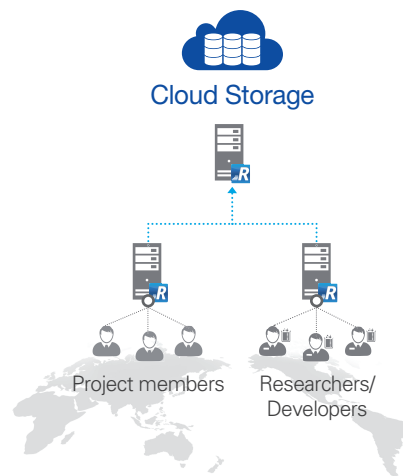
Description
Overseas project members uploads large-capacity files to a cloud storage.
Then local researchers and developers downloads the contents from the cloud

Benefits
- Reduced system operating cost while operating global project by using low-priced cloud storage
- Stable collaboration between researcher/developer from multi-sites
- Improved remote cloud transfer speed for business efficiency

Applied Module
☑ Server ☑ Client ☐ Agent ☐ Sync

Cloud Storage

Project members

Researchers/ Developers

Case 3

Automatic synchronization across remote servers
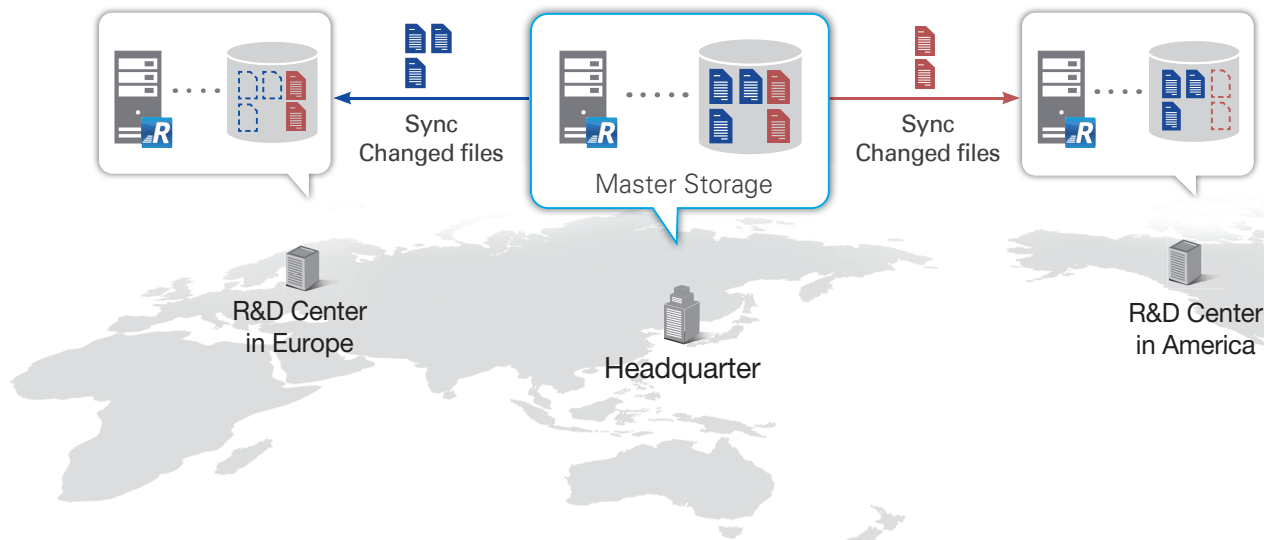
Description
Automatically synchronize design drawings created and modified in the headquarters by distributing them to work sites around the globe

Benefits
- Automatically distribute the latest design files which are frequently modified in various worksites
- Save transfer time regardless of locations and distance
- Simultaneous one-to-one, or one-to-many distribution

Applied Module

☑ Server ☐ Client ☑ Agent ☑ Sync

Sync Changed files

Master Storage

Sync Changed files

R&D Center in Europe

Headquarter

R&D Center in America

insight to !nspiration   **SAMSUNG**   **SAMSUNG SDS**