



**RAYSYNC FTP ACCELERATION PRODUCT  
TECHNICAL WHITE PAPER**

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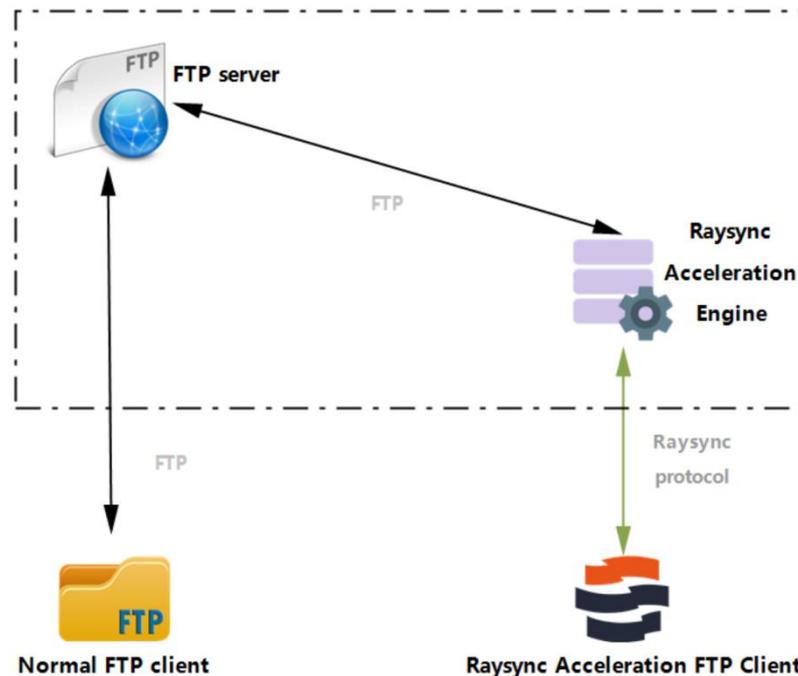
## 1. Product Overview

The Raysync FTP acceleration product is an FTP acceleration software that can directly connect to the customer's existing FTP server system. After customers use the FTP acceleration product for accelerating, their FTP transmission speed can be increased by 10-100 times.

## 2. Product Application Scenarios

This product is suitable for the customers who have an FTP server, and FTP user authorization, file permission control, and AD domain have been deployed on the FTP server, they do not want to completely rebuild the server, but hope to speed up the existing FTP transmission speed.

### 3. Product Deployment Description



As shown in the above figure, the user's existing FTP server does not need to be changed. Users can upload and download files after they add the “Raysync Acceleration Agents” on server sides and use the “Raysync Acceleration FTP Client Sides”. When users transfer files over the Internet, their transfer speed can be 10 to 100 times faster than the normal FTP client sides.

## 4. Core Advantages

### 4.1 Simple and easy to use

**Client side:** The usage mode of the “Raysync Acceleration FTP Client Side” is the

same as that of the "normal FTP client side". Users can switch operations without special learning.

**Server side:** Users do not need to modify their existing FTP server, user account, authorization, file configuration and other information.

## 4.2 High-speed transmission

Compared with ordinary FTP transmission, the Raysync FTP acceleration scheme can increase speed by 10-100 times.

## 4.3 Security

The FTP protocol itself needs to open command port and data port to allow FTP to run normally.

The Raysync protocol is based on UDP. The user's firewall only needs to open a UDP port to complete the communication. It is more secure compared with the lots of firewall network opening ports.

## 4.4 Intelligent compression

The Raysync transmission protocol has built-in intelligent compression function, which has a better compression effect for higher compression ratio text, program and data, and can save user's bandwidth.

## 4.5 Load balancing

The Raysync acceleration service can work with common load balancers such as LVS and F5 to complete load balancing deployment and improve overall system performance and reliability through horizontal expansion deployment.