# FTP/Guardian™
# Raise the bar on z/OS FTP Security

z/OS FTP provides access to all files, datasets and batch output resident on a z/OS system. However, it runs with a very simplistic security model that is not adequate for protecting remote access to critical corporate data.

## The z/OS FTP security model

Access to datasets, files and batch output via z/OS FTP is controlled by the access authority of the TSO ID used to log onto FTP.

This security model is a holdover from the days when mainframe access was primarily through TSO, using connections secured on the corporate network.

## The Exposure

FTP users that have SAF authority to read a dataset or file can typically do more with that data than was originally intended when read access was granted.

FTP connections can come from anywhere though (mobile devices, laptops, etc.). Any file or batch output that the TSO ID has read-access to can be downloaded to the FTP client, regardless of where it might be located (behind or outside the firewall). This creates an exposure to breach of sensitive company data.

## The security FTP requires

z/OS FTP provides a means for authorizing the use of individual FTP functions through a series of defined interfaces. What is needed is a solution to control access to individual FTP functions (upload, download, delete, rename, etc.) with enough granularity to grant control over how z/OS data is accessed and manipulated.

## FTP/Guardian Security Interface

FTP/Guardian's Security Interface (FSI) makes it as simple as writing regular SAF rules.

Through a hierarchy of SAF rules you can control who has access to FTP, what they can accomplish with it, what data they can access and where it can travel. FTP/Guardian easily enables you to:

- Control access to individual FTP commands
- Restrict access to sensitive data
- Restrict the movement of data to and from the Enterprise
- Protect data from accidental (or intentional) deletion or replacement via FTP
- Restrict access to job submission, job output review and deletion
- Make only limited FTP services available to casual users
- Make all FTP services available to trusted users

It's up to you. Control as little or as much of FTP usage as you need.

## More Information

SAC International specializes in providing Security and Controls for responsible FTP usage to large and medium-sized enterprises. Our range of innovative software products helps customers worldwide become more secure, more compliant and more efficient.

We provide solutions for distributed systems, such as Unix, Linux and Windows servers, midrange systems such as IBM iSeries as well as IBM mainframes running z/OS.

*For more information please contact us or visit our website.*