



FTP SECURITY for IBM i

FT4i—FTP Security for IBM i

Features

- Easy installation and maintain
- PHP-based browser interface or 5250 menus
- Secure access
- Flexible options
- Audit trail (logging)
- View of active FTP/SFTP sessions

System Requirements

- IBM i OS Version 7.2 or later

(Note: Only IBM supported releases are covered.)



FT4i provides IBM i users with the ability to log user and FTP activity for both the Client and Server processes. It provides a security blanket which allows you to restrict access to both the FTP Server and any request made using the FTP Client to and from the IBM i. It can log all activity and provide an audit trail for review.

With an ever-changing world and the growth of attacks on IT infrastructure it is important that you secure your data effectively. The standard install of both the FTP Server and FTP Client have no inbuilt security or logging as this is left up to normal OS object level security. FT4i allows you to restrict access to both the FTP Server (incoming connections) and FTP Client (command line outbound connections) to and from the IBM i with the ability to log all activity.

The environment we work in today requires that your users have access to data and objects to carry out their

duties, over restricting that access can cause a lot of overhead to manage that access through the normal OS level security. IBM i OS does not secure the FTP Services specifically but requires the users to build Exit Point programs to filter and manage access. FT4i provides this functionality allowing you to manage your FTP services effectively and easily using the GUI based interface provided (a 5250 interface is also provided) running on a HTTP server.

Cost

FT4i is priced very competitively and offers capabilities not found in competing products. It has been developed with ease of use at its core, this reduces the cost of ownership and provides an easily manageable environment for the small IBM i shop. Installation and fix management is carried out using the same commands used to manage the OS. Licensing is subscription based.



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FTP SECURITY for IBM i



Benefits

IBM i security is often overlooked because it is generally assumed to be a very secure platform. With many installs of IBM i or one of its predecessors around the world, it can be found in many operational environments from small manufacturing companies to large banks with critical data being stored within its database. Some of these systems have been running for many years with little to no security maintenance being carried out once it has been set up. The practice of allocating *ALLOBJ authority to individuals adds to the problem because all too often it is done out of expediency rather than need. This can be a major security exposure especially when you add the lack of FTP controls shipped with the OS allowing bad actors access to your data and objects. With FT4i these exposures can be reduced (even for those users with *ALLOBJ access) by setting the appropriate controls requirements.

Web-based Interface

FT4i can be controlled using a standard 5250 (UIM) interface, but the PHP interface provides a lot more information in a single panel giving the user a better overview of what is happening.

Services Available

Installation and configuration

FT4i can be installed by most IBM i Administrators, however if you need assistance we can provide highly trained consultants who will be able to install and configure FT4i.

System requirements

IBM i OS Version 7 release 2 and upwards (Note: Only IBM supported releases are covered)

Implementation

FT4i is packaged as an IBM LPP, this means the install and management uses the same IBM commands you use for installing and maintaining the IBM OS. To install you simply download the base product as a save file from the website and use the RSTLICPGM command to install and configure the product. The updates we provide are packaged as IBM PTFs, or as intermediary updates which have their own installer program. There are automated checks that can be run to check for new updates and can be downloaded and installed with a single menu option.

Configuration

The configuration requires the set up of any user that is to access the FTP services (Client/Server). You will also need to set up the Webserver content to provide the PHP based web

interface. Shield can provide services to help with the setup if required.

Management

FT4i requires little to no ongoing management. When new users are added or removed from the access configurations they are automatically picked up by the programs. The log writer should be run constantly and the log entries which are created cleaned up periodically. This should not take much time and should be capable of being run by the system operator.

Enhancements

Shield is continually looking for better ways to manage the security of the IBM i and the FTP Services, our customers also provide a lot of feedback on changes they would like to see which results in a large number of new features and enhancements. IBM is also continually improving the OS with new access to certain features used to control access to the IBM i. As these enhancements become available Shield will review the technology and enhance our own products where appropriate.



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