

# FtpServer Configuration

by Rana Bhattacharyya

## 1. Overview

The configuration file is ftp-config.xml. Each configurable component has a xml element to configure that component.

### 1.1. thread-manager

As we are using a single thread pool, we have only one default **thread-group** xml element.

Name	Default Value	Description
name	N/A	thread pool name (don't change)
priority	5	thread priority - normal priority = 5, max-priority = 10 (don't change)
is-daemon	false	daemon thread or not (don't change)
max-threads	10	maximum number of threads
min-threads	5	minimum number of threads
min-spare-threads	maxThreads - minThreads	minimum number of spare threads

### 1.2. sockets

It configures the socket factories (both server and client). So we have two xml elements - one for server socket factory and another for client socket factory. Please don't change anything here.

### 1.3. ftp-server

This is the ftp server configuration block.

Name	Default Value	Description
ftp-host	127.0.0.1	server IP. This is required if we want multihome support.
ftp-port	21	server port
max-connection	20	maximum number of ftp client connections
anonymous-max-connection	10	maximum number of anonymous ftp client connections
anonymous-login-allowed	true	does it allow anonymous connection
remote-admin-allowed	true	does it allow RMI based remote administration
remote-admin-port	1099	port number to be used for remote administration
create-user-home	false	create user home if necessary (ie. user home does not exist)
poll-interval	120	interval in seconds to kick out idle users and reload user manager if necessary
default-idle-time	300	default idle timeout in seconds
default-user-root	/	default user root directory

### 1.4. objectstorage

This is used by the file based object repository. This object storage is used by the object store based file manager. As the default file manager is the properties file based user manager, this is not used normally. Please don't change anything here.

### 1.5. user-manager

This is used by the user manager component. Currently we have four user manager implementations. All the user manager implementations are in **org.apache.ftpserver.usermanager** package.

## FtpServer Configuration

- **PropertiesUserManager** - properties file based user manager. This is the default user manager.
- **ObjStoreUserManager** - object store based user manager.
- **DbUserManager** - databased based user manager. Please see ["DB Support"](#) for more details.
- **LdapUserManager** - LDAP based user manager. Please see ["LDAP Support"](#) for more details.

Name	Default Value	Description
ftp-admin-name	admin	admin user name
encrypt	false	password encryption flag - used by the properties file based user manager. The algorithm is MD5.

### 1.6. ip-restrictor

IP restrictor allows/bans specified IPs. IPs can be specified using a simplified regular expression (\*?[^-]).

Name	Default Value	Description
allow-ip	false	"false" value bans the ftp requests from the specified IPs and "true" value allows the ftp requests only from the specified Ips.