

FtpServerMBean documentation

1. Bean Description

Description : Server management

Type : net.sbbs.jafs.config.FtpServer

Domain : servers

ClassName : net.sbbs.jafs.management.FtpServerMBean

2. List of attributes

[activeDownRangePort](#), [activeSessionsCount](#), [activeUpRangePort](#), [authenticationRealm](#), [closedMessage](#), [disclamerMessage](#), [loginMessage](#), [logoutMessage](#), [maxSessionsNumber](#), [maxSessionsNumberPerIP](#), [networkInterface](#), [open](#), [pasv](#), [pasvAllowFXP](#), [pasvDownRangePort](#), [pasvNATMappingsOnTheFly](#), [pasvUpRangePort](#), [pendingChanges](#), [reverseLookup](#), [serverFirewallPort](#), [serverPort](#), [serverRoot](#), [socketConnectTimeout](#), [SSLCertsConfName](#), [SSLDefaultProt](#), [SSLNeedCert](#), [SSLServer](#), [timeOutNotIdentified](#), [WANAccess](#), [warnClientsDuringShutdown](#)

3. List of operations

[applyChanges](#), [changePortsRange](#), [changeServerPort](#), [closeServer](#), [closeServerMsg](#), [deleteFileSystemEntry](#), [getAvailableCiphers](#), [getAvailableCommands](#), [getConfiguredCiphers](#), [getConfiguredCommands](#), [getConfiguredIPBlackListParsers](#), [getFileSystemEntries](#), [getIPBlackListParsers](#), [getUsers](#), [manageBlackList](#), [manageCipher](#), [manageCommand](#), [manageCommandSetting](#), [manageFileSystemEntry](#), [manageUser](#), [manageUserBindToFileSystem](#), [openServer](#), [stop](#)

4. Attributes declaration

4.1.

pendingChanges	
Description	Flag to indicate if some changes currently

	require a call to the "applyChanges" operation to be validated
Type	boolean
Writable	false

4.2.

open	
Description	Tells if server is open
Type	java.lang.Boolean
Writable	false

4.3.

serverPort	
Description	The server listening port
Type	java.lang.Integer
Writable	false

4.4.

serverFirewallPort	
Description	The server port on the firewall
Type	java.lang.Integer
Writable	false

4.5.

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reverseLookup	
Description	Search the computer name of connecting clients
Type	java.lang.Boolean
Writeable	true

4.6.

timeOutNotIdentified	
Description	The connection timeout for non identified clients sessions in seconds
Type	int
Writeable	true

4.7.

maxSessionsNumber	
Description	The maximum number of session on this server
Type	int
Writeable	true

4.8.

maxSessionsNumberPerIP	
Description	The maximum number of session per IP address
Type	int
Writeable	true

4.9.

warnClientsDuringShutdown	
Description	Warn connected clients that their transfers is stopping due to server shutdown
Type	java.lang.Boolean
Writeable	true

4.10.

activeSessionsCount	
Description	The number of active sessions on the server
Type	int
Writeable	false

4.11.

SSLNeedCert	
Description	Flag to require a signed certificate for every SSL/TLS connection on the server
Type	java.lang.Boolean
Writeable	true

4.12.

SSLCertsConfName	
Description	This let you define what server certificate/CA allowed certs/CRL check config entry name defined in the service configuration file must be

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	used with the server. A null value will take the first config entry
Type	java.lang.String
Writeable	true

4.13.

SSLDefaultProt	
Description	This is the default protocol type that will be used for new encrypted connections on an implicit server, the values depends of your JRE but usually SSL or TLS works
Type	java.lang.String
Writeable	true

4.14.

SSLServer	
Description	Setting to define if the server only accepts incoming secure sockets (true) or not (false)
Type	java.lang.Boolean
Writeable	true

4.15.

authenticationRealm	
Description	The server JAAS authentication module, the value must correspond to a defined JAAS configuration entry
Type	java.lang.String

Writable	true
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4.16.

disclaimerMessage	
Description	
Description	The disclaimer message returned to client after an authentication, use \n for line breaks
Type	
Type	java.lang.String
Writable	
Writable	true

4.17.

loginMessage	
Description	
Description	The first message returned to clients, use \n for line breaks
Type	
Type	java.lang.String
Writable	
Writable	true

4.18.

logoutMessage	
Description	
Description	The logout message, use \n for line breaks
Type	
Type	java.lang.String
Writable	
Writable	true

4.19.

networkInterface	
Description	
Description	The server network interface identifier,

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	WARNING : you must call the "applyChanges" operation to validate the change.
Type	java.lang.String
Writeable	true

4.20.

closedMessage	
Description	The message returned to clients when the server is closed, use \n for line breaks
Type	java.lang.String
Writeable	true

4.21.

serverRoot	
Description	The server root, WARNING : you must call the "applyChanges" operation to validate the change.
Type	java.lang.String
Writeable	true

4.22.

WANAccess	
Description	Allow clients coming from the WAN (internet) to have access on the server
Type	java.lang.Boolean

Writeable	true
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4.23.

pasv	
Description	
	Allows or not PASV command use for clients, WARNING : you must call the "applyChanges" operation to validate the change.
Type	
	java.lang.Boolean
Writeable	
	true

4.24.

pasvAllowFXP	
Description	
	Allows FXP transferts, setting this to true can create potential security issues in PASV mode.
Type	
	java.lang.Boolean
Writeable	
	true

4.25.

socketConnectTimeout	
Description	
	The timeout for a client in seconds to create the data connection.
Type	
	int
Writeable	
	true

4.26.

pasvNATMappingsOnTheFly	

Description	When set to true, if a NAT mapper is defined in the network interface used by the server, the ports will be open on the router after a PASV command, if set to false all ports in the passive ports range will be opened during server startup, WARNING : you must call the "applyChanges" operation to validate the change.
Type	java.lang.Boolean
Writeable	true

4.27.

pasvUpRangePort	
Description	Passive mode available ports stop range
Type	int
Writeable	false

4.28.

pasvDownRangePort	
Description	Passive mode available ports start range
Type	int
Writeable	false

4.29.

activeUpRangePort	
Description	Active mode available source ports stop range
Type	java.lang.Integer

Writeable	false
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4.30.

activeDownRangePort	
Description	
	Active mode available source ports start range
Type	
	java.lang.Integer
Writeable	
	false

5. Operations declaration

5.1.

applyChanges	
Description	
	This operation validates all changes who needs a server restart.
Return type	
	void
Impact	
	ACTION

5.2.

changePortsRange		
Description		
	Change the passive and active mode available ports range, WARNING : you must call the "applyChanges" operation to validate the change.	
Return type		
	void	
Impact		
	ACTION	
Parameters		
	pasvDownRange	type: int

	pasvUpRange	type: int
	activeDownRange	type: int
	activeUpRange	type: int

5.3.

changeServerPort		
Description		
		Changes the server listening port during runtime.
Return type		
		void
Impact		
		ACTION
Parameters		
	port	type: int
	firewallPort	type: int

5.4.

closeServer		
Description		
		Closes the server
Return type		
		void
Impact		
		ACTION

5.5.

closeServerMsg		
Description	Closes the server with a given message	
Return type	void	
Impact	ACTION	
Parameters	message	type: java.lang.String
	closeSessions	type: java.lang.Boolean

5.6.

deleteFileSystemEntry		
Description	Deletes a server file system configuration entry, return true if the config entry is removed, false otherwise	
Return type	boolean	
Impact	ACTION	
Parameters	entryId	type: java.lang.String
	path	type: java.lang.String

5.7.

getAvailableCiphers

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Description	Returns a list of available ciphers for SSL or TLS sockets on the server.
Return type	java.lang.String[]
Impact	INFO

5.8.

getAvailableCommands		
Description	Lists all the available FTP commands or features class names.	
Return type	java.lang.String[]	
Impact	INFO	
Parameters	type	type: java.lang.String

5.9.

getConfiguredCiphers	
Description	Lists the configured SSL/TLS ciphers on the server
Return type	java.lang.String[]
Impact	INFO

5.10.

getConfiguredCommands	
Description	Lists all the installed FTP commands or features names on the server.

Return type	net.sbbi.jafs.config.CommandConfig[]	
Impact	INFO	
Parameters	type	type: java.lang.String

5.11.

getConfiguredIPBlackListParsers	
Description	Returns a list of all the configured IP blacklist parser entries on the server.
Return type	net.sbbi.jafs.config.BlackListConfig[]
Impact	INFO

5.12.

getFileSystemEntries	
Description	Retrieve the server file system configuration entries
Return type	net.sbbi.jafs.config.FileSystemRights[]
Impact	INFO

5.13.

getIPBlackListParsers	
Description	Lists all the available IP block lists parsers class names.
Return type	java.lang.String[]

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Impact	INFO
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5.14.

getUsers	
Description	
	Retreive the server user config entries
Return type	
	net.sbbi.jafs.config.User[]
Impact	
	INFO

5.15.

manageBlackList		
Description		
	IP block lists management	
Return type		
	boolean	
Impact		
	ACTION	
Parameters	operation	type: java.lang.String
	name	type: java.lang.String
	location	type: java.lang.String
	parserClassName	type: java.lang.String
	rescantime	type: java.lang.Integer

5.16.

manageCipher

Description	Adds a SSL/TLS cipher to the allowed server list.		
Return type	boolean		
Impact	ACTION		
Parameters	operationType	type: java.lang.	String
	cipherName	type: java.lang.	String

5.17.

manageCommand			
Description	This operation allows you to add/remove/update FTP commands or features implementations, WARNING : you must call the "applyChanges" operation to validate the change.		
Return type	boolean		
Impact	ACTION		
Parameters	operation	type: java.lang.	String
	type	type: java.lang.	String
	commandName	type: java.lang.	String
	className	type: java.lang.	String

	location	type: java.lang.String

5.18.

manageCommandSetting		
Description		
		This operation allows you to add/remove/update FTP commands or features implementations settings, WARNING : you must call the "applyChanges" operation to validate the change.
Return type		boolean
Impact		ACTION
Parameters		
	operation	type: java.lang.String
	type	type: java.lang.String
	commandName	type: java.lang.String

	settingName	type: java.lang.String
	settingValue	type: java.lang.String

5.19.

manageFileSystemEntry		
Description		
		Adds or modify a file system configuration entry
Return type		
		void
Impact		
		ACTION
Parameters		
	entryId	type: java.lang.String
	readFile	type: boolean
	overwriteFile	type: boolean
	deleteFile	type: boolean
	renameFile	type: boolean
	ratioDisabled	type: boolean
	createFile	type: boolean
	hiddenFile	type: boolean
	deleteDirectory	type: boolean
	createDirectory	type: boolean
	renameDirectory	type: boolean
	listDirectoryContent	type: boolean
	path	type: java.lang.String

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	fileType	type: java.lang.String

5.20.

manageUser		
Description		
Manage server users		
Return type		
boolean		
Impact		
ACTION		
Parameters		
	operationType	type: java.lang.String
	userName	type: java.lang.String
	ipAddress	type: java.lang.String
	account	type: java.lang.Boolean
	maxConnectionsNumber	type: int

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	timeout	type: int	
	maxUploadRate	type: int	
	maxDownloadRate	type: int	
	isRatio	type: java.lang.Boolean	
	ratioScale	type: int	
	baseCredits	type: long	
	homeDir	type: java.lang.String	
	secureControlTransport	type: java.lang.String	
	secureDataTransport	type: java.lang.String	

5.21.

manageUserBindToFileSystem	
Description	
	Binds or unbind a user to a file system configuration entry
Return type	
	boolean
Impact	
	ACTION
Parameters	
operation	type: java.lang.String
userName	type: java.lang.String
entryId	type: java.lang.String

5.22.

openServer	
Description	
	Opens the server
Return type	
	void
Impact	
	ACTION

5.23.

stop	
Description	
	Stops the server and removes it from the administration console
Return type	
	void

Impact	ACTION
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