



## **IBM Sterling Connect:Direct FTP+ 1.2**

Release Notes



This edition applies to the 1.2 Version of IBM® Sterling Connect:Direct® FTP+ and to all subsequent releases and modifications until otherwise indicated in new editions.

Before using this information and the product it supports, read the information in *Notices* on page 27.

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## Important Notes

IBM® Sterling Connect:Direct® FTP+ provides a simple, reliable, and secure way to transfer files between a Sterling Connect:Direct server at a central processing center and remote sites through a graphical and command line interface.

The *IBM Sterling Connect:Direct FTP+ Release Notes* describe the product requirements, installation procedures, and last-minute changes.

This document supplements the Sterling Connect:Direct FTP+ Help, and is updated with each release of the product. Read this document in its entirety before installation.

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## Product Requirements

Sterling Connect:Direct FTP+ must be installed and configured on both the Sterling Connect:Direct® server and the local computers (or clients) that communicate with the Sterling Connect:Direct server.

When you install IBM Sterling Connect:Direct for z/OS®, the Sterling Connect:Direct FTP+ plug-in is included.

## Requirements for the Sterling Connect:Direct Server

The software requirements for the Sterling Connect:Direct server are:

- ◆ One of the following versions of Sterling Connect:Direct:
  - ◆ Sterling Connect:Direct for z/OS 4.5.00 or later
  - ◆ IBM Sterling Connect:Direct for Microsoft Windows 4.1.00 or later
  - ◆ IBM Sterling Connect:Direct for UNIX 3.6.01 or later
- ◆ To use Sterling Connect:Direct FTP+ to communicate with a Sterling Connect:Direct for z/OS server, the z/OS server must have RACF access to the BPX.SERVER resource. Also, each Sterling Connect:Direct FTP+ user ID must have HFS authority on the z/OS server.
- ◆ To use IBM Sterling Connect:Direct Secure Plus for secure communications, it must be installed on the Sterling Connect:Direct server.

## Requirements for the Local Computer

Sterling Connect:Direct FTP+ requires the following software on the local computer:

- ◆ One of the following operating systems:
  - ◆ Microsoft Windows 2000 Professional
  - ◆ Microsoft Windows XP Professional
  - ◆ Microsoft Windows Vista Enterprise
  - ◆ HP-UX 11.i or later
  - ◆ HP-UX Itanium 11iv2 or later
  - ◆ Solaris 9 or later
  - ◆ IBM AIX 5.2 or later
  - ◆ Linux on Intel and zSeries
- ◆ Certificate Wizard, if using the Sterling Connect:Direct Secure Plus for secure data transmission to the Sterling Connect:Direct server. It is available with Sterling Connect:Direct FTP+.

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## Deploying the Sterling Connect:Direct FTP+ Plug-in on a Sterling Connect:Direct Server

Deploying Sterling Connect:Direct FTP+ consists of the following steps:

- ◆ Install Sterling Connect:Direct FTP+ Plug-in on a Sterling Connect:Direct server
- ◆ Configure the Sterling Connect:Direct server
- ◆ Update the Sterling Connect:Direct Secure Plus parameters
- ◆ Test the configuration
- ◆ Distribute configurations to the client sites

If you install the Sterling Connect:Direct FTP+ client on a local Microsoft Windows or UNIX computer, ignore this section. See *Installing the Sterling Connect:Direct FTP+ Client on a Local Computer* on page 11.

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**Note:** Before installing Sterling Connect:Direct FTP+, access the IBM Support Portal to determine if software updates are available and to download the latest release notes.

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## Installing the Sterling Connect:Direct FTP+ Plug-in on a Sterling Connect:Direct Server

This section describes the following topics:

- ◆ Installing the Sterling Connect:Direct FTP+ plug-in on a Sterling Connect:Direct for Microsoft Windows server

- ◆ Installing the Sterling Connect:Direct FTP+ Plug-in on a Sterling Connect:Direct for UNIX server

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**Note:** Review the release notes for the Sterling Connect:Direct release installed on the server for additional information about installing the Sterling Connect:Direct FTP+ Plug-in. Some Sterling Connect:Direct releases may modify or eliminate this procedure.

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## Installing the Sterling Connect:Direct FTP+ Plug-in on a Sterling Connect:Direct for Microsoft Windows Server

Install Sterling Connect:Direct FTP+ in its own directory. Do not install Sterling Connect:Direct FTP+ in the same directory with any other Sterling Connect:Direct product. You must have Administrator authority to install the plug-in on a Sterling Connect:Direct for Microsoft Windows server.

1. Do one of the following:
  - ◆ Download the Plug-in from the IBM Support Portal and save the **CDFtpInstall.exe** file to your desktop. Double click the **CDFtpInstall.exe** file.
  - ◆ Insert the Sterling Connect:Direct FTP+ CD-ROM into your CD-ROM drive. The installation program starts.

If your computer is not autorun enabled, double-click the **CDFtpInstall.exe** file located in the Microsoft Windows directory on the CD-ROM drive.

2. Follow the installation prompts.  
If the installation fails, review the installation log created on your desktop.
3. Select **Start>Program Files>Sterling Connect:Direct FTP+>Start Configurator**.
4. Configure Sterling Connect:Direct FTP+ and save it as Default\_Config.  
Click **Help** to access the online Help that describes how to configure Sterling Connect:Direct FTP+.

Continue with *Configuring the Sterling Connect:Direct Server for Sterling Connect:Direct FTP+* on page 8.

## Installing the Sterling Connect:Direct FTP+ Plug-in on a Sterling Connect:Direct for UNIX Server

Install Sterling Connect:Direct FTP+ in its own directory. Do not install it in the same directory with any other Sterling Connect:Direct product.

1. Do one of the following:
  - ◆ Download the product from the IBM Support Portal.
  - ◆ Insert the Sterling Connect:Direct FTP+ CD-ROM into the CD-ROM drive.
2. Change your directory to the directory where you downloaded Sterling Connect:Direct FTP+ or the UNIX directory on the CD-ROM drive.

3. Type **CDFtpInstall.bin** and press **Enter**.
4. Follow the installation prompts.

If the installation fails, review the installation log to determine the cause. It is created in the directory where you ran the installation.

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**Note:** When you install Sterling Connect:Direct FTP+ on a computer with more than 2 GB of available space, the installation summary may display *Error!* for available disk space, even if you have sufficient disk space. Ignore this message and click **Install**.

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5. After the installation, change to the directory where Sterling Connect:Direct FTP+ is installed (usually *<user home directory>/CDFtp*).
6. Type **./cdftp -C** to open the Sterling Connect:Direct FTP+ configuration interface. This command is case sensitive. You must type a capital **C**.

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**Note:** You must configure X11 on the UNIX system to run the configurator. If X11 is not configured, you can run the configurator on a Microsoft Windows system and copy the *.ser* configuration file to the UNIX system.

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7. Configure Sterling Connect:Direct FTP+.  
Click **Help** to access the online Help that describes how to configure Sterling Connect:Direct FTP+.
8. Continue with *Configuring the Sterling Connect:Direct Server for Sterling Connect:Direct FTP+* on page 8.

## Configuring the Sterling Connect:Direct Server for Sterling Connect:Direct FTP+

To enable the Sterling Connect:Direct server to communicate with Sterling Connect:Direct FTP+ sites:

1. Add each Sterling Connect:Direct FTP+ site to the server's network map as a TCP/IP node (if netmap checking is used by the Sterling Connect:Direct server).
2. Create a Sterling Connect:Direct user ID and password for each Sterling Connect:Direct FTP+ site. This includes establishing the proper access authority for the site, according to the server site's security policy.

See the Sterling Connect:Direct server documentation for how to perform these tasks.

## Updating Sterling Connect:Direct Secure Plus Parameters

If you use Sterling Connect:Direct Secure Plus, make the following updates on the Sterling Connect:Direct server. See the Sterling Connect:Direct Secure Plus documentation for detailed procedures.

- ◆ Update the Sterling Connect:Direct Secure Plus parameters file with the Sterling Connect:Direct FTP+ client node names. Perform this step even if the Sterling Connect:Direct FTP+ clients will not use SSL or TLS.



- ◆ Obtain SSL certificates for each Sterling Connect:Direct FTP+ client. To use self-signed certificates, configure them with Certificate Wizard.
- ◆ Update the trusted roots file on the Sterling Connect:Direct server with these certificates.
- ◆ Build a trusted roots file for the Sterling Connect:Direct FTP+ clients that contains the Sterling Connect:Direct server's certificate.
- ◆ Distribute the certificates, private passwords, and trusted roots files to the Sterling Connect:Direct FTP+ clients.
- ◆ Complete the Sterling Connect:Direct Secure Plus fields on the Sterling Connect:Direct FTP+ configuration interface. See configuration interface Help for more information.

## Testing the Sterling Connect:Direct FTP+ Configuration

To test the Sterling Connect:Direct FTP+ configuration:

1. Install Sterling Connect:Direct FTP+ on a Microsoft Windows or UNIX workstation.
2. Start the configuration interface:
  - ◆ On a Microsoft Windows computer, select **Start>Program Files>Sterling Connect:Direct FTP+> Start Configurator**.
  - ◆ On UNIX, change to the Sterling Connect:Direct FTP+ directory, and type **cdftp -C** at the command prompt. The **-C** parameter is case-sensitive. You must type a capital **C**.
3. Configure the client to communicate with the Sterling Connect:Direct server. Click **Help** for instructions to configure Sterling Connect:Direct FTP+.
4. Click **Exit**.
5. Start the Sterling Connect:Direct FTP+ graphical user interface.
  - ◆ On a Microsoft Windows computer, select **Start>Program Files>Sterling Connect:Direct FTP+> Start GUI**.
  - ◆ On a UNIX computer:
    - Access a command prompt and change to the CDFtp directory.
    - Type **cdftp -G**. You must type a capital **G**.
6. Verify that the client connects to the Sterling Connect:Direct server. You should be able to see both local client and remote server directories.

## Distributing Sterling Connect:Direct FTP+ Configurations to Clients

After you have verified the configuration, you can distribute copies to client sites.

Three ways are available to create and distribute configurations:

- ◆ Complete the Configuration Worksheet on page 10. Send it to the client sites to input their own configurations. This is the simplest method but has a greater possibility of errors due to typing mistakes.
- ◆ Use **Copy** on the configuration interface to copy the Default\_Config configuration. Modify the copies as appropriate and send them to client sites with instructions to rename the files to Default\_Config.ser. This method eliminates data entry errors at the client sites but can be time consuming if you have numerous client sites.  
See configuration interface Help for instructions to copy configuration files.
- ◆ Use the **cdftp -C:configbuild** command to build multiple configurations based on a configuration template and a text file. This is useful for implementations with many client sites.  
See configuration interface Help for instructions on **cdftp -C:configbuild**.

## Configuration Worksheet

Use the following worksheet to allow Sterling Connect:Direct FTP+ client sites to provide their configuration information manually. Bold text indicates fields that must be changed for each Sterling Connect:Direct FTP+ client. See the configuration interface Help for detailed information about each field.

Tab	Field	Value
<b>C:D Server</b>	Name of the Sterling Connect:Direct server	
	IP address or name of the Sterling Connect:Direct server	
	Port number of the Sterling Connect:Direct server	
	Use Secure Point of Entry (SPOE)?	
	<b>The User ID to access the Sterling Connect:Direct server</b>	
	<b>Password to access the Sterling Connect:Direct server</b>	
	<b>Fully-qualified name of the temporary file on the Sterling Connect:Direct server</b>	
	The starting <b>Sterling Connect:Direct</b> server working directory	
	Use CRC checking?	
	List of file extensions to transfer as TEXT	
	Should z/OS files be transferred as TEXT?	
	The PLEXCLASS for Processes	
	The Sterling Connect:Direct server CODEPAGE for data	
	The Sterling Connect:Direct server CODEPAGE for transmission	
	The fully-qualified installation directory name of the plug-in	

Tab	Field	Value
C:D FTP+	<b>The name of this local computer</b>	
		The port number to be used for firewall navigation
	<b>The user ID for Sterling Connect:Direct Processes</b>	
		Use Sterling Connect:Direct Secure Plus for transfers?
		Use Sterling Connect:Direct Secure Plus SSL protocol?
		The Sterling Connect:Direct Secure Plus private key password
		Sterling Connect:Direct Secure Plus key certificate file name
		Sterling Connect:Direct Secure Plus root certificate file name
		The starting local working directory
		Sterling Connect:Direct FTP+ CODEPAGE for data
		Sterling Connect:Direct FTP+ CODEPAGE for transmission
		The initial debug value

## Installing the Sterling Connect:Direct FTP+ Client on a Local Computer

The following sections describe how to install Sterling Connect:Direct FTP+ on a local Microsoft Windows or UNIX computer.

### Installing Sterling Connect:Direct FTP+ on a Local Microsoft Windows Computer

You must install Sterling Connect:Direct FTP+ in its own directory. Do not install it in the same directory with Sterling Connect:Direct Certificate Wizard or any other Sterling Connect:Direct product.

- Do one of the following:
  - Download Sterling Connect:Direct FTP+ client from IBM Support Portal and save the **CDFtpInstall.exe** file to your desktop. Double-click the **CDFtpInstall.exe** file.
  - Insert the Sterling Connect:Direct FTP+ CD-ROM into the CD-ROM drive.  
If your computer is not autorun enabled, double-click the **CDFtpInstall.exe** file located in the Microsoft Windows directory on the CD-ROM.

- Follow the installation prompts.

If the installation fails, review the installation log on your desktop to determine the cause.

3. After the installation, you must configure Sterling Connect:Direct FTP+.

There are two ways to configure Sterling Connect:Direct FTP+:

- ◆ Manually enter information into the configuration interface from a configuration worksheet supplied by the Sterling Connect:Direct server site.  
Select **Start>Program Files>Sterling Connect:Direct FTP+>Start Configurator** to start the configuration interface. Click **Help** to access the procedures that describe how to configure the product.
- ◆ Install a configuration file sent to you from the Sterling Connect:Direct server site. When you receive the file, rename it Default\_Config.ser, and copy it into the directory where Sterling Connect:Direct FTP+ is installed.
- ◆ Click the desktop icon to start the graphical user interface and connect to the Sterling Connect:Direct server defined in the configuration file.

## Installing Sterling Connect:Direct FTP+ on a Local UNIX or Linux Computer

To install Sterling Connect:Direct FTP+ on UNIX or Linux on a local computer.

1. Do one of the following:
  - ◆ Download the Sterling Connect:Direct FTP+ client from the IBM Support Portal
  - ◆ Insert the Sterling Connect:Direct FTP+ CD-ROM into the CD-ROM drive.
2. Change your directory to the directory where you downloaded the product or UNIX directory on the CD-ROM drive.
3. Type CDFtpInstall.bin, and press **Enter**.
4. Follow the installation prompts.

If the installation fails, review the installation log in the directory where you ran the installation.

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**Note:** When you install Sterling Connect:Direct FTP+ on a Compaq Tru64 computer, the installation summary may display *Error!* for available disk space, even if you have sufficient disk space. Ignore this message and click **Install**.

---

5. After the installation, configure Sterling Connect:Direct FTP+.
  - ◆ Manually enter information into the configuration interface from a Configuration Worksheet supplied by the Sterling Connect:Direct server site.  
Change to the Sterling Connect:Direct FTP+ directory (usually *<user home directory>/CDFtp*) and type `./cdftp -C` to start the configuration interface. This command is case-sensitive. You must type a capital C.  
Click **Help** to access the help on how to configure Sterling Connect:Direct FTP+.
  - ◆ Install a configuration file sent to you from the Sterling Connect:Direct server site. When you receive the file, rename it Default\_config.ser, and copy it into the directory where Sterling Connect:Direct FTP+ is installed.
6. Do one of the following to start Sterling Connect:Direct FTP+:

- ◆ Type `cdftp -G` at the command prompt to start the graphical user interface. The command parameters are case sensitive. You must type a capital G.
- ◆ Type **cdftp open** at the command prompt to start the command line interface and connect to the Sterling Connect:Direct server.

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## Installing Sterling Connect:Direct Certificate Wizard

If Sterling Connect:Direct FTP+ uses Sterling Connect:Direct Secure Plus for secure data transmission to the Sterling Connect:Direct server, you can use Sterling Connect:Direct Certificate Wizard to create certificates. Sterling Connect:Direct Certificate Wizard is available with Sterling Connect:Direct FTP+.

Install Sterling Connect:Direct Certificate Wizard in its own directory. Do not install it in the same directory with Sterling Connect:Direct FTP+ or any other Sterling Connect:Direct product.

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## Configuring Directory Restrictions

To restrict Sterling Connect:Direct FTP+ user IDs to specific directories and subdirectories on the Sterling Connect:Direct server, configure directory restrictions. Specify directory restrictions in a file called `restrictions.properties`, located on the Sterling Connect:Direct server in the plug-in installation directory. When you specify a directory in the `restrictions.properties` file, you restrict the specified user ID to that directory and all directories below that directory.

This file is optional. If it is not present, directory restrictions are not enforced. If present, restrictions specified in this file are enforced.

The following `restrictions.properties` file illustrates how to set up directory restrictions for user IDs “userl1”, “userlap1”, and “\*” on a Sterling Connect:Direct for UNIX server:

```

tpyl1=/home/nis01/userl1
cclap1=/home/nis01/userlap1
*/=/home/nis01/temp

```

- ◆ If you specify a user ID of “\*”, any user ID not included in this file is restricted to the directory specified for “\*”.
- ◆ If you do not specify a user ID of “\*”, only user IDs included in the file can access the Sterling Connect:Direct server.
- ◆ If you specify “\*=\*”, user IDs not included in the file are not restricted.

---

**Note:** User IDs are case sensitive and must be specified exactly as they are entered in the Sterling Connect:Direct FTP+ client. Directory names are case sensitive on Sterling Connect:Direct for UNIX nodes, but they are not case sensitive on Sterling Connect:Direct for Microsoft Windows nodes.

---

The following restrictions.properties file illustrates how to set up directory restrictions for user IDs “user”, “user1”, and “\*” on a Sterling Connect:Direct for Microsoft Windows server:

```
user=C:\\temp
user1=C:\\
*=C:\\temp
```

---

**Note:** Because the backslash (“\”) is an escape character in Java, you must double all backslashes in the restrictions.properties file.

---

You can grant permission to multiple directories to a user. Separate Microsoft Windows directories with a semi-colon, and separate UNIX directories with a colon. In the following example, the user ID “user1” is restricted to the /home/nis01/user1 and /home/nis01/temp directories on the Sterling Connect:Direct for UNIX server:

```
user1=/home/nis01/user1:/home/nis01/temp
```

If directory restrictions are enabled and a user tries to change directories to a higher directory than the specified restricted directory, the user will receive a “550 Directory does not exist or permission denied” error. If a user tries to create a directory that is not in the specified restricted directory, the user will receive a “550 Security error in creating directory” error.

To restrict Sterling Connect:Direct for z/OS users to specific directories, create an optional pds member with a record format of FB or VB. This pds member must contain the user ID beginning in column 1 and the directory beginning in column 10.

You can specify multiple entries for the same user ID as follows:

- ◆ If you specify a user ID of “\*”, all users not specified in the pds member will be restricted to the specified directory.
- ◆ If you specify a user ID of “\*” and a directory of “\*”, any user ID not specified in the pds member will not be restricted to a specified directory.
- ◆ If you do not specify a user ID of “\*”, you must create an entry for all Sterling Connect:Direct FTP+ users in the pds member.

You must include a DD statement that points to the pds member in the JCL that starts Sterling Connect:Direct for z/OS. The DD name is RESTDIR.

The following example shows a RESTDIR member:

USER1	USER1
USER1	/u/user1
USER2	USER2

---

**Note:** If you use a version 1.0.05 or earlier client and the version 1.0.06 plug-in with directory restrictions, only the directory restrictions for user ID “\*” will be enforced. If you use a version 1.0.06 client with a version 1.0.05 or earlier plug-in, you will not be able to use any plug-in functions. A version 1.0.06 client can only communicate with a version 1.0.06 or later plug-in

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## Code Page Conversion Considerations

Different operating systems and platforms implement slightly different versions of character sets and code page conversions. These differences can cause unexpected results when converting code pages. For information about these differences, see the *Code Page Implementation Differences* document on the IBM Support Portal or refer to your platform documentation.

## Sample Code Page Values

The following table lists sample CODEPAGE field values to perform Japanese language code page conversion for MLANG, ICONV, and Java code page conversion utilities.

	<b>SJIS</b>	<b>EUCJP</b>	<b>UTF-8</b>
<b>Microsoft Windows</b>	932 (default)	51932	65001
<b>Sun</b>	SJIS, ms932, PCK	eucJP	UTF-8, UTF-8-Java
<b>Hewlett- Packard</b>	sjis	eucJP	utf8
<b>Java</b>	SJIS, MS932	EUC_JP	UTF8
<b>z/OS</b>		Cp930	

The following table lists sample CODEPAGE field values to perform Korean language code page conversion for MLANG, ICONV, and Java code page conversion utilities.

	<b>UHC</b>	<b>EUCKR</b>	<b>UTF-8</b>
<b>Microsoft Windows</b>	949 (default)	949	65001
<b>Sun</b>	ko_KR.cp949	ko_KR.euc	UTF-8

<b>Hewlett- Packard</b>	Not supported	eucKR	utf8
<b>Java</b>	MS949, Cp949	EUC_KR	UTF8
<b>z/OS</b>		Cp933	

Following are sample CODEPAGE values to perform simplified Chinese language code page conversion for MLANG, ICONV, and Java code page conversion utilities.

	<b>GBK</b>	<b>EUCCN</b>	<b>UTF-8</b>
<b>Microsoft Windows</b>	936 (default)	936	65001
<b>Sun</b>	zh_CN.gbk	zh_CN.euc	UTF-8
<b>Hewlett- Packard</b>	Not supported	hp15CN	utf8
<b>Java</b>	GBK, MS936	EUC_CN	UTF8
<b>z/OS</b>	Cp935		

Following are sample CODEPAGE field values to perform traditional Chinese language code page conversion for MLANG, ICONV, and Java code page conversion utilities.

	<b>BIG5</b>	<b>EUCTW</b>	<b>UTF-8</b>
<b>Microsoft Windows</b>	950 (default)	950	65001
<b>Sun</b>	zh_TW-big5	zh_TW-euc	UTF-8
<b>Hewlett- Packard</b>	big5	eucTW	utf8
<b>Java</b>	Big5, MS950, Cp950	EUC_TW	UTF8
<b>z/OS</b>	Cp937		



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# Summary of Updates

This chapter describes enhancements and maintenance updates in Sterling Connect:Direct FTP+.

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## Enhancements in Version 1.2

Following are the enhancements in Sterling Connect:Direct FTP+1.2:

- ◆ **Platform Support**—Sterling Connect:Direct FTP+ 1.2 adds support for Microsoft Windows Vista and HP-UX Itanium.
- ◆ **Plug-in Requirement**—The Sterling Connect:Direct FTP+ server plug-in is no longer required for Sterling Connect:Direct for z/OS. However, it is required for Sterling Connect:Direct for Microsoft Windows and Sterling Connect:Direct for UNIX.
- ◆ **Logging**—The Sterling Connect:Direct FTP+ log file name is CDFtp.log and stored in the installation directory. This filename cannot be changed, even if you specify a different log file name in the configuration interface.

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## Enhancements in Version 1.0.07

The following enhancements are in Sterling Connect:Direct FTP+ 1.0.07:

- ◆ **Capability to Override Defaults from the Command Line**—Command line parameters enable you to override certain defaults within Sterling Connect:Direct FTP+. See Chapter 4, *Documentation Updates*, for details.
- ◆ **Default Command Line Installation for UNIX Platforms**—The default installation of Sterling Connect:Direct FTP+ on UNIX platforms uses the command line. You can start the GUI installation using the following command: **CDFtpInstall.bin -i gui**.

## Enhancements in Version 1.0.02

The following enhancements are in Sterling Connect:Direct FTP+ 1.0.02:

- ◆ **Interim Configuration Saves**—You can now save a Sterling Connect:Direct FTP+ configuration that is missing information for future editing.

When you save an incomplete configuration, a window is displayed listing the fields that need information. Click **OK** to save the configuration. You can then edit the configuration later.

Incomplete configurations are saved with .inc file extensions, and are displayed in red in the Configurations panel. Sterling Connect:Direct FTP+ cannot use an incomplete configuration.

- ◆ **Locked Configuration Files**—You can lock a Sterling Connect:Direct FTP+ configuration file to prevent changes to it. This ensures that any configurations you distribute remain static.

To lock a configuration file, add the following command to the build.cfg file.

```
lock configurationfilename
```

This command saves the configuration file specified in *configurationfilename* and locks it against any additional changes.

In the following example, a configuration file named Eastern43 is created and locked:

```
#Eastern43 configuration
copy Template
&passwd=Prescott5
&netmap=CDEast1
lock Eastern43
```

When a configuration file is locked, no one, not even the configuration creator, can unlock or change it. However, you can replace a locked configuration file with a new file that has the same file name, if necessary.

Locked configuration files appear in the configuration list on the user interface. However, you cannot select them to edit or copy.

To have Sterling Connect:Direct FTP+ start with a locked configuration, you must do one of the following:

- ◆ Start Sterling Connect:Direct FTP+ with the **cdftp -c:configurationfilename** command, where *configurationfilename* is the name of the locked configuration. For example, **cdftp -c:region5** or **cdftp -c:region5.ser**.
- ◆ If you do not use the **cdftp** command to start Sterling Connect:Direct FTP+, save the locked file as **Default\_Config.ser** (the default configuration file).

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## Enhancements in Version 1.0.01

The following enhancements are in Sterling Connect:Direct FTP+ 1.0.01:

- ◆ **Code Page Conversion Support**—Sterling Connect:Direct FTP+ 1.0.01 adds code page support for single and multi-byte character sets, enabling Sterling Connect:Direct FTP+ to send and receive files using different character sets. This support is provided through the following enhancements:
  - ◆ New options on the configuration interface enabling you to set the code page for the Sterling Connect:Direct server and Sterling Connect:Direct FTP+ client
  - ◆ A new option on the graphical user interface enabling Sterling Connect:Direct FTP+ to automatically perform code page conversion for selected file types or for all transferred files, or to disable automatic code page conversion
  - ◆ A new **codepage** command to enable or disable automatic code page conversion through the command line
- ◆ **Secure Point of Entry Support**—Sterling Connect:Direct FTP+ 1.0.01 adds support for Secure Point of Entry (SPOE). SPOE provides additional security for a Connect:Direct server receiving files from a Sterling Connect:Direct FTP+ client. It relates the user ID, password, and node name used by the client to access the Sterling Connect:Direct server to an internal user ID and password.

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## Maintenance Updates

The following table lists the support requests (SRs) resolved for Sterling Connect:Direct FTP+ in each maintenance version. Sterling Connect:Direct FTP+ version.16 contains all maintenance fixes applied to previous versions of Sterling Connect:Direct FTP+.

Version	SR Number	Description
1.1.05	1368937	Upgrade Certicom libraries and upgrade JRE to 1.5.
1.1.04	1365350	Allow display of files larger than 2GB on remote in GUI.
1.1.03	1363305	Increase buffer size for file reads to improve PUT performance.
1.1.02	1363305	Correct record length issue causing twice as many records to be read.
1.1.01	1362864	Allow display of files larger than 2 GB in GUI.



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# Known Restrictions

Sterling Connect:Direct FTP+ has the following known restrictions.

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### **Creating Directory Names on a Remote Sterling Connect:Direct for Microsoft Windows Computer**

When you use Sterling Connect:Direct FTP+ to create a new directory on a remote Sterling Connect:Direct for Windows computer, the new remote directory name cannot contain spaces.



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# Documentation Updates

Apply the following updates to the Sterling Connect:Direct FTP+ version 1.1 or later documentation and Help.

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## Connect:Direct FTP+ User's Guide and Connect:Direct FTP+ User Interface Help

The following command line parameters enable you to override certain defaults. Add them to the table in Chapter 12, *Command Line Parameters*, and to the user interface Help topic *Command Line Parameters*.

Command	Description
-cpa:nnnnn	Overrides the number of attempts to recover a failed transfer (default=5).
-cpi:nnnnn	Overrides the checkpoint interval (default=1024000).
-cpw:nnnnn	Overrides the number of seconds to wait between retry attempts (default 5).
-e	Terminates Sterling Connect:Direct FTP+ on certain errors. Specifies to exit on errors after retries have been exhausted. Enables determining success or failure easily when Sterling Connect:Direct FTP+ is used in simple .bat or .sh scripts. Failure is indicated by non-zero return code or error level.
-m:C	Forces compression for all transfers.
-w:nnnnnn	Overrides the default buffer size (default=65535 for non-Secure+, 16259 for Secure+).





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# Sterling Connect:Direct FTP+ Documentation

The *Sterling Connect:Direct FTP+* documentation consists of the following information:

- ◆ *IBM Sterling Connect:Direct FTP+ Configuration Interface Help* describes how to configure IBM Sterling Connect:Direct FTP+ on a Microsoft Windows or UNIX workstation. Access this Help from the configuration interface.
- ◆ *IBM Sterling Connect:Direct FTP+ Configuration Guide* contains the same information as the configuration interface Help, in PDF format. This guide is located in the Sterling Connect:Direct FTP+ installation directory.
- ◆ *IBM Sterling Connect:Direct FTP+ User's Guide* contains the same information as the user interface Help, in PDF format. This guide is located in the Sterling Connect:Direct FTP+ installation directory.
- ◆ *IBM Sterling Connect:Direct FTP+ Release Notes* describe how to install Sterling Connect:Direct FTP+ on a Connect:Direct server and on a local computer, and contains product updates. The release notes are located in the Sterling Connect:Direct FTP+ installation directory.



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