

IBM Sterling MFT License Key Guide



This edition applies to IBM® Sterling Connect:Direct® for Microsoft Windows, IBM® Sterling Connect:Direct® for UNIX, IBM® Sterling Connect:Direct® for z/OS®, IBM® Sterling Connect:Direct® for OpenVMS, IBM® Sterling Connect:Direct® for HP NonStop, IBM® Sterling Connect:Direct® for VM, IBM® Sterling Connect:Direct® for VSE, and IBM® Sterling Connect:Direct® for i5/OS®, and IBM® Sterling B2B Integrator - Connect:Direct® Service Adapter. Before using this information and the product it supports, read the information in Notices.

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IBM® Sterling Connect:Direct® for Microsoft Windows

IBM® Sterling Connect:Direct® for UNIX

IBM® Sterling Connect:Direct® for z/OS®

IBM® Sterling Connect:Direct® for OpenVMS

IBM® Sterling Connect:Direct® for HP NonStop

IBM® Sterling Connect:Direct® for VM

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About an IBM Sterling MFT License Key

About an IBM Sterling MFT License Key

A license key enables features for an IBM Sterling MFT product. When you purchase the product, you receive a temporary key that activates it for a limited time. After you install a temporary key, request a permanent one to continue running the product.

This document contains procedures for managing your license keys for IBM® Sterling Connect:Direct®, IBM® Sterling Connect:Enterprise®, IBM® Sterling Control Center, IBM® Sterling Connect:Direct® Secure Plus, and IBM® Sterling Secure Proxy.

To use this guide, refer to the procedure that corresponds to the product you installed. To prepare the product for operation, use the procedures in this guide to:

- Apply a temporary key at the location where the product is installed.
- Request a permanent license key.
- Replace the temporary key with the permanent one to continue using the product.

Most IBM Sterling license key files contain the following information:

- PSP is the number associated with an IBM software agreement.
- License-ID is the identifier related to the PSP.
- Key-Num is a unique identifier created for each license key.

When a license key is updated, a new Key-Num is assigned. The PSP and license ID do not change. Only the latest iteration of a license key is valid.

Note: When you receive a new key, delete the old one. If you move the IBM software to a different computer, quit using it at the previous location within 30 days. Failure to do so violates your legal license agreement.

A license key is sent as an e-mail attachment and named *nnnn.txt*, where *nnnn* is a number assigned by IBM.

Caution: Do not edit the license key. Text editors may insert information into the file, which invalidates it.

Sterling Connect:Direct for z/OS License

Apply a Temporary License Key to Sterling Connect:Direct for z/OS

The license key enables the features available for this product. When you purchase the product, you receive a temporary key that activates it for a limited time. After you install a temporary key, request a permanent key to continue running.

This procedure only applies to versions of Sterling Connect:Direct for z/OS prior to version 5.1.

If you purchase Sterling Connect:Direct Secure Plus when you purchase Sterling Connect:Direct, the key activates both products. If you purchase Sterling Connect:Direct Secure Plus separately, you must apply a new license key.

To apply a temporary license key:

1. Define a data set for the license key information and include the following attributes:
DSORG=PS, RECFM=VB, LRECL=1024, BLKSIZE=0

2. Copy the license key into the data set.

Caution: Make sure no data in the license is truncated when you copy it.

3. Save the data set. Write down the name. Use this value when you define the APDSN initialization parameter. Refer to the *IBM Sterling Connect:Direct for z/OS Installation Guide* for instructions.

Obtain and Apply a Permanent License Key to the Sterling Connect:Direct for z/OS Installation

This procedure only applies to versions of Sterling Connect:Direct for z/OS prior to version 5.1.

Apply the license key where Sterling Connect:Direct for z/OS is installed and make it available at initialization.

To obtain and apply a permanent license key:

1. Obtain the CPU ID of Sterling Connect:Direct by typing the console command, D M=CPU. Press **Enter**.

Note: Run this console command on each CPU that has LPARs licensed to run Sterling Connect:Direct.

2. Obtain the PSP for the installation by opening the temporary license key. Do not modify the file.
3. Reply to the IBM e-mail with the temporary license key and request a permanent one. Copy the results of the console command from step 1 and the PSP from step 2 into the e-mail. You receive the permanent license key in approximately 24 to 48 hours.
4. Make a copy of the key and keep it in a safe place.
5. Define a data set with the following attributes: DSOrg=PS, RECFM=VB, LRECL=1024, BLKSIZE=0
6. Copy the file information into the data set.

Caution: Make sure no data in the key file is truncated. If a key has a CPUID parameter with more than one CPU number, the | character that separates numbers may not translate correctly if you cut and paste the information. Make sure the bar character is a hex 4F before saving the file.

7. Save the data set and write down the name. Use this value when you define the APDSN initialization parameter. Refer to the *IBM Sterling Connect:Direct for z/OS Installation Guide* for instructions

Sterling Connect:Direct for UNIX License

Obtain and Apply a Temporary or Permanent License Key to Sterling Connect:Direct for UNIX

The license key enables the features available for this product. When you purchase Sterling Connect:Direct, you receive a temporary key that activates the product for a limited time. After you install a temporary key, request a permanent key to continue running.

This procedure only applies to versions of Sterling Connect:Direct for UNIX prior to version 4.1.

If you purchase Sterling Connect:Direct Secure Plus when you purchase Sterling Connect:Direct, the key activates both products. If you purchase Sterling Connect:Direct Secure Plus separately, you must apply a new license key.

To apply a temporary key:

Copy the temporary key from the IBM e-mail into the *install_dir/ndm/cfg/node name* directory and rename it license.key.

To request and apply a permanent key:

1. From the *install_dir/etc* directory, type `hostid.sh`.
The host ID information is written to the `CDSsystem` file in the *install_dir/ndm/cfg/node name* directory.
2. To obtain the PSP number, open the `license.key` file and find the value in the PSP field. Do not modify the file.
3. Reply to the IBM e-mail containing the temporary license key to request a permanent license. Attach the file called `CDSsystemId`. Provide the PSP number and whether the license is used for Production, Test, or Hot Standby.

You receive the permanent license key file by e-mail in approximately 1 to 2 business days.

4. To apply the permanent license, copy the key from the e-mail to the *install_dir/ndm/cfg/node name* directory.
5. Rename the key `license.key`.
6. Make a copy of the permanent key and keep it in a safe place.

Sterling Connect:Direct for Microsoft Windows License

Obtain and Apply a Temporary or Permanent License Key to Sterling Connect:Direct for Microsoft Windows

The license key enables features available for this product. When you purchase Sterling Connect:Direct, you receive a temporary key that activates the product for a limited time. After you install a temporary key, request a permanent key to continue running it.

This procedure only applies to versions of Sterling Connect:Direct for Microsoft Windows prior to version 4.6.

If you purchase Sterling Connect:Direct Secure Plus when you purchase Sterling Connect:Direct, the key you receive activates both products. If you purchase Sterling Connect:Direct Secure Plus separately, you must apply a new license key when you obtain Sterling Connect:Direct Secure Plus.

To apply a temporary key:

Copy the temporary key from the IBM e-mail to C:\Program Files\Sterling Commerce\Connect Direct *versionnumber*\server. Rename the key to license.key.

To obtain and apply a permanent license key:

1. Click **Start>Programs>Sterling Commerce Connect:Direct versionnumber>CD System ID**. The Sterling Connect:Direct System ID Utility displays the CPU-ID and number of processors.
2. Click **File>Save**.
3. Type a name for the file and click **Save**.
4. Click **File>Send email**.
5. Type the requested information in the e-mail template and click **Send**. You receive a permanent license key in approximately 24 to 48 hours.
6. Make a copy of the original key and keep it in a safe place.
7. Copy the key from the e-mail to C:\Program Files\Sterling Commerce\Connect Direct *versionnumber*\server. Rename the key to license.key.

Sterling Secure Proxy License

Apply a Temporary or Permanent License Key to Sterling Secure Proxy

The license key enables a Sterling Secure Proxy engine. One license is required for each engine. When you purchase the product, you receive a temporary key that activates the engine for a limited time. After you install a temporary key, request a permanent key to continue running Sterling Secure Proxy.

This procedure only applies to versions of Sterling Secure Proxy prior to version 3.4.

To apply a temporary license key:

1. On UNIX, copy the key from the e-mail to the *install_dir/conf* directory, where *install_dir* is the Sterling Secure Proxy engine installation.
2. On Microsoft Windows, copy the key from the e-mail to the *install_dir\conf* directory.
3. Rename the key license.key.

Sterling Secure Proxy license keys for version 2.x and earlier were delivered as .xml files or downloaded from the IBM® Sterling B2B Integrator Asset site. To request a key for these versions, go to <https://www.ibm.com/services/forms/signup.do?source=swg-stersisfg-req> using the CD Key.

To obtain and apply the permanent license key:

1. Obtain the IP address or host name of the Sterling Secure Proxy engine.
2. To request the permanent license key, go to the following Web site:
<https://www.ibm.com/services/forms/signup.do?source=swg-stermft-req>
3. Type information in the required fields and click **Submit**.
You receive the permanent license key in approximately 24 to 48 hours.
4. Make a copy of the permanent key and keep it in a safe place.
5. Copy the license key from the e-mail to the *install_dir/conf* directory on UNIX and to *install_dir\conf* directory on Windows.
6. Rename the key to license.key.
7. If the engine is running, stop and restart it.

Sterling Control Center License

Apply a Temporary or Permanent License Key to Sterling Control Center

The license key enables features available for this product. When you purchase Sterling Control Center, you receive a temporary key that activates the product for a limited time. After you install a temporary key, request a permanent key to continue running the product.

This procedure only applies to versions of Sterling Control Center prior to version 5.3.

If you use only the Sterling Control Center Asset Tracking feature, you can obtain a no-charge license from IBM. For more information, refer to the *IBM Sterling Control Center Asset Tracking Guide*.

To apply a temporary license key:

If a temporary key called license.key already exists, rename the key in the *install_dir/conf* directory, where *install_dir* is the Sterling Control Center installation. Use a name that identifies it as the old key.

Copy the temporary license key from the IBM e-mail to the *install_dir/conf* directory. Rename it to license.key.

To request and apply the permanent license key:

1. To obtain the host name of the Sterling Control Center engine, open a command line and type hostname.
2. To request the permanent license key, go to the following Web site:
<https://www.ibm.com/services/forms/signup.do?source=swg-stermft-req>
3. Type information in the required fields and click **Submit**. Provide the host name of the Sterling Control Center computer. You receive the key in approximately 24 to 48 hours.
4. Make a copy of the original key and keep it in a safe place.
5. Copy the key to the *install_dir/conf* directory. Rename it to license.key.

Sterling Connect:Direct for HP NonStop License

Apply a Temporary License Key to Sterling Connect:Direct for HP NonStop

The license key identifies features enabled for this product. When you purchase Sterling Connect:Direct, you receive a temporary key that activates the product for a limited time. After you install a temporary key, request a permanent one to continue running. The license key must be a code 101 Edit file named LICENSE, located in the subvolume where the NDMINIT file is stored.

This procedure only applies to versions of Sterling Connect:Direct for HP NonStop prior to version 3.6.

To apply a temporary key:

1. Save the license key from the IBM e-mail to a text file named NDMINSTL.
2. Use IXF or FTP to upload the file in ASCII mode to the subvolume NDMINSTL or the location of the NDMINIT initialization parameter.
Note: Verify that the IXF or FTP client is configured to transmit lines at least 150 bytes long. Otherwise, lines in the key file may be truncated, creating an invalid license key.
3. Use one of the follow methods to complete the installation:
 - To manually validate the key, start Sterling Connect:Direct. The new key becomes the active license.
 - Start an NDMCOM session and type **UPDATE LICENSE**. If the LICENSE is valid, it becomes the active license.
 - Do nothing. A license validation occurs at 10 a.m., 2 p.m., and midnight. At one of these times, the license key is validated, and if valid, becomes the active license.

Obtain and Apply a Permanent License Key for Sterling Connect:Direct for HP NonStop

This procedure only applies to versions of Sterling Connect:Direct for HP NonStop prior to version 3.6.

To request and apply a permanent license key:

1. Type the TACL command, SYSINFO and obtain the system number.
2. Type : <https://www.ibm.com/services/forms/signup.do?source=swg-stermft-req> in the browser window and press **Enter** to open the IBM key request form.
3. Type information in the required fields and click **Submit**. Be sure to provide the system number obtained in step 1.
You receive the permanent license key in approximately 24 to 48 hours.
4. If you are replacing a license key, rename the old file to LICENSEO to ensure that you can restore it.
5. Save the license key to a text file named LICENSE. Save a copy of the license in a safe place.
6. Use IXF or FTP to upload the file in ASCII mode to the subvolume NDMINSTL or where the NDMINIT initialization parameter is stored.
Note: Verify that the IXF or FTP client is configured to transmit lines at least 150 bytes. Otherwise, lines in the key file may be truncated, which creates an invalid license key.
7. Do one of the following to validate and activate the key:
 - To manually validate the key, start Sterling Connect:Direct. The new key becomes the active license.

- Start an NDMCOM session, and type UPDATE LICENSE. If the license is valid, it becomes the active license.
- Do nothing. An automatic license validation occurs at 10 a.m., 2 p.m., and midnight. If the key is valid, it becomes the active license.

Sterling Connect:Direct for i5/OS License

Upload the Temporary or Permanent License Key for Sterling Connect:Direct for i5/OS

This procedure only applies to versions of Sterling Connect:Direct for i5/OS prior to version 3.7.

After you obtain a license key, use the following procedure to upload it to the computer where the software is installed.

To upload the license key:

1. Create a c:\temp directory on a Microsoft Windows computer.
2. Save the license key to the c:\temp folder. Rename it to apkeyf.txt.
3. To upload the license key to the Sterling Connect:Direct for i5/OS computer:
 - a. Log on using the administrator profile, CDADMIN.
 - b. Type WRKCDPARM and press **Enter** until the Change C:D parms (CHGCDPARM) screen is displayed.
 - c. Press **Page Down** until the Change C:D parms (CHGCDPARM) screen displays the Asset protection key file parameter. Write down the location of this file.
Note: If you are upgrading Sterling Connect:Direct, back up the existing key. The installation overwrites it.
4. From the Microsoft Windows computer, click **Start>Run**.
5. Type `COMMAND` and press **Enter**.
6. To change to the temp directory, type `cd c:\temp` and press **Enter**.
7. Type `dir apkeyf*` and press **Enter** to make sure the license key is listed in the temp directory.
8. Type `c:\windows\ftp your system name or IP address` and press **Enter** to establish an FTP session with your system.
9. When prompted for a user name and password, type the CDADMIN user profile and password used during the installation.
10. To verify that the working directory is `<cdlib>`, type `pwd` and press **Enter**, where `<cdlib>` is the location of the license key displayed in step 3.
11. If the working directory is not correct, type `cd <cdlib>` to move to the correct directory.
12. To transfer the key file, type `put apkeyf.txt apkeyf` and press **Enter**.
Note: Do not perform a binary transfer. Transfer the key in TEXT format.
13. On the Sterling Connect:Direct for i5/OS computer, type `dsppfm <cdlib>/apkeyf` to verify the contents of the transferred key and compare it to the original key file. View the original key file in a text viewer.
14. If the files match, type `ftp> quit` on the Microsoft Windows computer.
15. Type `c:\temp> exit`.

Obtain a Permanent License Key for Sterling Connect:Direct for i5/OS

The license key enables features for this product. When you purchase the product, you receive a temporary key that activates the product for a limited time. After you install a temporary key, request a permanent key to continue using the product.

This procedure only applies to versions of Sterling Connect:Direct for i5/OS prior to version 3.7.

To obtain a permanent license key file:

1. Obtain the serial and model numbers of the computer where the product is installed.

- a. To find the serial number, type `dspsysval qsrlnbr` and press **Enter**.
- b. To find the model number, type `dspsysval qmode` and press **Enter**.
2. To request the permanent license key, go to the following Web site:
<https://www.ibm.com/services/forms/signup.do?source=swg-stermft-req>
3. Type information in the required fields including the serial number and model number and click **Submit**. You receive the key in approximately 24 to 48 hours.
4. Make a copy of the key and keep it in a safe place.
5. Upload the license key. Refer to *Upload the Temporary or Permanent Key*.

Sterling Connect:Direct for OpenVMS License

Apply a Temporary or Permanent License Key to Sterling Connect:Direct for OpenVMS

The license key enables features for this product. When you purchase Sterling Connect:Direct, you receive a temporary key that activates the product for a limited time. After you install a temporary key, request a permanent key to continue running it.

This procedure only applies to versions of Sterling Connect:Direct for OpenVMS prior to version 3.6.

To apply a temporary license file:

Copy the temporary key from the IBM e-mail to the directory given by the ndm\$\$ directory logical name. Rename the key to ndm\$key.txt.

To obtain and apply a permanent license key:

1. Type `$run ndm_license_display_profile.exe` to obtain profile information.
Following is an example of profile information:
>>> Profile: kLRHOva1 Node: TSC6 Type: Integrity.
2. To request the permanent license key, go to the following Web site:
<https://www.ibm.com/services/forms/signup.do?source=swg-stermft-req>
3. Type information in the required fields and click **Submit**.
You receive the key in approximately 24 to 48 hours.
4. Make a copy of the key and keep it in a safe place.
You need the license key when you configure Sterling Connect:Direct for OpenVMS. Refer to the *IBM Sterling Connect:Direct for OpenVMS Installation and Administration Guide*.

Sterling Connect:Direct for VSE or VM License

Apply a Temporary or Permanent License Key to Sterling Connect:Direct for VSE/ESA or VM/ESA

The license key identifies the features available for this product. When you purchase Sterling Connect:Direct, you receive a temporary key on the installation tape that activates the product for a limited time. The key is associated with the installation tape VOLSER (volume serial) number and the DMGRATX program. After you install a temporary key, request a permanent key.

To apply a temporary license key:

Obtain the key from the IBM e-mail. Type the key value into the NDM.KEY initialization parameter. Refer to Configuring Connect:Direct for VSE in the *IBM Sterling Connect:Direct for VSE/ESA or VM/ESA Administration Guide* for instructions.

To apply a permanent license key:

1. Request a permanent license key by replying to the e-mail containing the temporary license key. You receive the permanent license key file by e-mail in approximately 24 to 48 hours.
2. Type the key value into the NDM.KEY initialization parameter. Refer to Configuring Sterling Connect:Direct for VSE in the *IBM Sterling Connect:Direct for VSE/ESA or VM/ESA Administration Guide* for instructions.

Sterling Connect:Direct Select License

Apply a Temporary License Key to Sterling Connect:Direct Select

The license key enables features for this product. When you purchase Sterling Connect:Direct Select, you receive a temporary key that activates the product for a limited time. After you install a temporary one, request a permanent key to continue running.

This procedure only applies to versions of Sterling Connect:Direct Select prior to version 1.3.

To apply a temporary license key:

1. Do one of the following:
 - On UNIX, copy the temporary key from the IBM e-mail to *install_dir/bin*.
 - On Microsoft Windows, copy the key from the e-mail to *install_dir\bin*, where *install_dir* is the Sterling Connect:Direct Select installation.
2. Rename the key to **license.key**.
3. Make a copy of the key and keep it in a safe place.

Obtain and Apply a Permanent License Key for Sterling Connect:Direct Select

This procedure only applies to versions of Sterling Connect:Direct Select prior to version 1.3.

To obtain and apply a permanent license key:

1. For UNIX installations, obtain the IP address or hostname of the Sterling Connect:Direct Select computer.
 - To obtain the hostname, type `hostname` at the prompt. The hostname is returned in the format: `SunOS vhpp1mgtet101 5.8 Generic_117350-44 sun4u sparc SUNW, Sun-Fire-880`.
Note: The hostname in this output is “`vhpp1mgtet101`”.
 - Check the operating system documentation for information on how to obtain the IP address.
2. On a Microsoft Windows installation, obtain the computer name (hostname).
3. For both UNIX and Windows, obtain the Connect:Direct node name of the remote C:D Server that C:D Select is communicating with.
4. To request the permanent license key, go to the following Web site:
<https://www.ibm.com/services/forms/signup.do?source=swg-stermft-req>
5. Type information in the required fields and click Submit.

Note: Enter both the hostname or ip address **and** the remote C:D Server node name in the **New CPUID or Hostid** field.

You receive the key in approximately 24 to 48 hours.

Connect:Enterprise for z/OS License

Obtain and Apply a License Key to Sterling Connect:Enterprise for z/OS

The license key identifies the features available for this product. When you purchase Sterling Connect:Enterprise, you receive a temporary key that activates the product for a limited time. After you install a temporary key, request and apply a permanent key to continue running the product.

This procedure only applies to versions of Sterling Connect:Enterprise for z/OS prior to version 1.5.

To apply the temporary key:

Download the license file to a sequential data set defined with variable length records and a record length of 256 bytes. If multiple CPU-ID values are defined in the key, make sure that a solid vertical bar separates them. Save the data set.

To obtain and apply the permanent key:

1. To obtain the CPU ID of your system, type `D M=CPU` and press **Enter** in any LPAR. For example, text may be displayed as: `E CPU-ID 01xxxxxxxx|02xxxxxxxx|03xxxxxxxx`
Note: Do not make any other changes to the license key. You may invalidate the key.
2. Respond to the e-mail from IBM that contains the temporary key and request a permanent one. Copy the results of the command and paste it into an e-mail to IBM. Provide information in the e-mail to request a permanent key.
Note: Run this console command on each CPC with LPARs licensed to run Sterling Connect:Enterprise._
You receive the permanent license key file by e-mail in approximately 24 to 48 hours.
3. Make a copy of the permanent key and keep it in a safe place.
4. Download the license file to a sequential data set that is defined to contain variable length records with a record length of 256 bytes. Be aware of the following conditions:
 - Make sure the license file is not overlaid by an empty file. Otherwise, Sterling Connect:Enterprise will not initialize. If the license file is overlaid after initialization, Sterling Connect:Enterprise runs but generates error messages. Refer to *IBM Sterling Connect:Enterprise for z/OS Messages and Codes Guide*.
 - If the license key fails when you start Sterling Connect:Enterprise, check for pipes (`|`) in the file. Replace pipes with full bars.
 - If multiple CPU-ID values are specified, make sure that a solid vertical bar separates them. If the vertical bar is not solid, edit the file and change only this character to a solid vertical bar (hex '4F').
 - Do not make any other changes to the license key or you may invalidate the key.
5. Save the data set and write down the name. Use this information in the APDSN parameter. Refer to *IBM Sterling Connect:Enterprise for z/OS Administration Guide*.

Connect:Enterprise for UNIX License

Sterling Connect:Enterprise for UNIX License

The license key identifies the features available for this product. When you purchase the product, you receive a temporary key that activates the product for a limited time. After you install a temporary key, request a permanent key to continue running it.

This procedure only applies to versions of Sterling Connect:Enterprise for UNIX prior to version 2.5.

To apply the temporary license key:

Copy the temporary license file from the IBM e-mail to the \$CMUHOME/etc directory. Rename it to license.key.

To request and apply a permanent license key:

1. To request the permanent license key, go to the following Web site:
<https://www.ibm.com/services/forms/signup.do?source=swg-stermft-req>
2. Type information in the required fields and click **Submit**.
You receive the permanent license key in approximately 24 to 48 hours.
3. Make a copy of the permanent key and keep it in a safe place.
4. Copy the license key file from the IBM e-mail to the \$CMUHOME/etc directory. Rename it to **license.key**.

Sterling Connect:Enterprise Gateway License

Apply a Temporary or Permanent License Key to Sterling Connect:Enterprise Gateway

The license key identifies the features available for this product. When you purchase Sterling Connect:Enterprise Gateway, you receive a temporary key that activates the product for a limited time. Replace the temporary key with a permanent one to continue running the product.

To apply a temporary key:

Copy the temporary license key from the IBM e-mail to the C:\Program Files\Sterling Commerce\Enterprise Gateway directory. Rename the key to **GatewayNT.lic**.

To obtain and apply a permanent key:

1. Reply to the IBM e-mail containing the temporary license and request the permanent license key. You receive the permanent license key by e-mail in approximately 24 to 48 hours.
2. Make a copy of the original license and keep it in a safe place.
3. Copy the license from the IBM e-mail to the C:\Program Files\Sterling Commerce\Enterprise Gateway directory.
4. Rename the key to **GatewayNT.lic**.

Notices

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