



# Connect:Express<sup>®</sup> OS/390

Release Notes

Version 4.2.0

***Connect:Express OS/390 Release Notes***

**Version 4.2.0**

**First Edition**

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# Receiving Version 4.2.0

The *Connect:Express OS/390 Release Notes* document supplements Connect:Express version 4.2.0 documentation. Release notes are updated with each release of the product and contain last-minute changes and product requirements, as well as other information pertinent to installing and implementing Connect:Express. Read the document in its entirety before installation.

The Connect:Express OS/390 package consists of the distribution media, a product key, and product publications. The Connect:Express OS/390 application is distributed as follows:

- ◆ 3490 cartridge tape labeled “CXnnnn”
- ◆ CD-ROM

New functionalities provided by version 4.2.0 are listed below:

- ◆ SSL Option: secured PeSIT and Odette file transfers, over TCP/IP and X25
- ◆ Sysplex Option: implementation of a Connect:Express Sysplex supervisor

Both options need to be included in the license management key.

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## Product Requirements

The following are the hardware, software, and other requirements for Connect:Express OS/390 version 4.2.0.

### Hardware and Software Requirements

Connect:Express OS/390 version 4.2.0 runs on the OS/390 and z/OS operating systems. SSL functionalities introduce the additional requirements below.

Hardware and software requirements for Connect:Express OS/390 version 4.2.0 are listed in the Chapter 1, *System Requirements*, of the *Connect:Express OS/390 Installation Guide*.

### POSIX Environment

The UNIX System Services (or POSIX) environment must be installed and set up prior to installing Connect:Express OS/390.

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## License Management Key File

The license management key file identifies the product features that are available at a site. When you purchase the Connect:Express OS/390 application, you receive a temporary key file that enables operation of Connect:Express OS/390 for a limited time. You must replace the temporary key with a permanent key to continue running Connect:Express OS/390.

The temporary and permanent key files are supplied as text files named *nnnnn.txt*, where *nnnnn* is a name assigned by Sterling Commerce. Each key file is sent to you as an attachment to an e-mail. The temporary and permanent license key file must be applied on the computer where Connect:Express OS/390 is installed.

Copy the text file on the computer where Connect:Express OS/390 will execute: You can use an FTP file transfer in text mode. The file on the mainframe must be a fixed sequential file, with a record length greater than the maximum length of the lines in the text file: 200 characters will satisfy this condition in any case.

---

**Note:** The file will be translated from ASCII to Ebcidic and you should compare it to the original text file. The only difference may appear if CPU numbers are defined in the license key file: CPU numbers are separated by a " | " in the original file, and they must be separated by a " ! " in the mainframe file.

---

Define the physical data set name of the license key file in the AUTHDS parameter of Connect:Express.

If Connect:Express detects an error while loading the file, you will see messages in the SYSMMSG file as shown below:

```
TOM2312W ERROR TXT=APKEY FILE INVALID
TOM2297W AP KEY IS NOT VALID
TOM2020E INVALID AUTH FILE, CALL SUPPORT.
TOM2011S STOPPED FOLLOWING PREVIOUS MESSAGE RC=212
```

If Connect:Express detects an error while processing the file, for example if an option is expired, you will see messages in the SYSMMSG file as shown below, but Connect :Express may continue executing:

```
TOM2312W ERROR TXT=OPTION EXPIRED - WARNING
TOM2295W WARNING AP OPTION TCPIP IM HAS EXPIRED
```

Before contacting Support, activate the DD card SYSPAPS in Connect:Express monitor JCL, run Connect:Express again, and keep the file for further analysis.

---

## Features and Enhancements

Connect:Express version 4.2.0 has the following features and enhancements.

Version	Feature or Enhancement
SSL Option	Secured PeSIT and Odette file transfers, over TCP/IP and X25.
Sysplex Option	Using extended SYSPLEX features and implementing a Connect:Express supervisor and a group of managers. New information is displayed in the ISPF screens.

This section provides an overview of the new features. Refer to the related guides *Connect:Express OS/390 SSL Guide* and *Connect:Express OS/390 Implementing a SYSPLEX Supervisor* for more detailed information.

Version 4.2.0 includes all fixes and enhancements of version 4.1.2. The file £GFIMSG in the \*DISTLIB\* provides a list of all fixes and enhancements.

The section New Parameters and Keywords provides the list of new parameters and changes in this version.

### SSL Option

The SSL option uses z/OS SSL services, that can be associated with the Integrated Cryptographic Service Facility (ICSF). You can manage certificates either with gskkyman or RACF. The RACF method is described in the SSL Guide.

A SSL handler has been added to Connect:Express to interface Connect:Express network services (managed by the ANM) and z/OS SSL services.

The use of the Socket Open Edition interface for TCP/IP handler of ANM is required :  
TCPORG=(SOE).

The SSL handler is activated independently of the file transfer protocol used (PeSIT or Odette) and the network protocol used (X25 or TCP/IP). Specific configuration parameters may be used for each protocol. Both client and server profiles are available.

---

**Note:** SSL option doesn't apply to FTP transfers that are managed by the AFM.

---

```

TOM4200      OPERATIONS CONTROL      ID=          MODE=      NAMES INITIALIZED  !
OPTION ==> !
4XX/TEST
      ^ F (ID)      - FILES.          B - BYPASS.      PSREXP
      P (ID)      - PARTNERS        C - COUPLING.    06/10/19
      R (ID)      - REQUESTS...    S - SHARED.      03:48
      N           - NETWORK.        G - GLOBAL.      CSGA
      T           - TRANSFERS.      Z - ACTIVITY.    CSGPLEX
      */-/A/H/I/U - 'mode'.

      MONITOR ==> TOM8 / CSGA ACTIVE GLOBAL  MANAGER
      EXIT UEXJNL : L1B2PDIX  ENABLED          CENTRAL

----- S DISPLAY DETAILS, E ENABLE, H DISABLE
V
- 1076  FILES      - RESOURCE   : ENABLED
- 591   PARTNERS  - RESOURCE   : ENABLED
-      REQUESTS  - RESOURCE   : ENABLED      IN USE AT - %
-      SHARED    - RESOURCE   : SUPERVISOR
-      NETWORK   - SEE DETAIL : 1ERROR(S)
-      TRANSFERS - SEE DETAIL, EFFECTORS USED/ALLOC. : - / 32
-      SSL       - RESOURCE   : ENABLED
X EXIT, -PF3- END, -ENTER- CONTINUE, -PF10/11- SCROLL

```

SSL configuration parameters are defined in the SYSIN file. They are listed in New Parameters and Keywords.

The *Connect:Express OS/390 SSL Option* document describes how to configure the SSL handler and how to implement a PeSIT secured file transfer.

## Implementing a SYSPLEX Supervisor

Connect:Express version 4.1 introduced SYSPLEX functions in Connect:Express. These functions were limited to distributing the Connect:Express subsystem services over a SYSPLEX, and this was done transparently. Version 4.2.0 is extending these functions in a way that impacts more the operator environment, as you can now define monitor profiles and manage several monitors by one supervisor. The standard, non-Plex profile is called “standalone.”

The SYSPLEX configuration parameters are defined in the Connect:Express CXPlex file. They are listed in New Parameters and Keywords.

*Connect:Express OS/390 Implementing a SYSPLEX Supervisor* describes how to configure and run a group of monitors under supervision.

## Sysplex Functions of Connect:Express

The SYSPLEX option uses z/OS XCF services and supports both sysplex and parallel sysplex environments. IBM defines a sysplex as a collection of OS/390 images that share work, and a parallel sysplex as a sysplex that includes a Coupling Facility.



With the SYSPLEX option, you can distribute the file transfer services of one Connect:Express over all the z/OS images of a sysplex, and make a group of Connect:Express monitors that are running on different z/OS images and configure one of them as the supervisor of the group, in charge of managing shared resources.

The SYSLEX functionality is managed by the XCF handlers of Connect:Express. Communications between Connect:Express members are maintained through the XCF handlers.

You can define three Plex profiles: one supervisor, several managers, several servers for each manager and several servers for the supervisor.

Associations like manager/server and supervisor/server are used to distribute the manager or supervisor services over the sysplex. This functionality was introduced in version 4.1.

Each component may be associated with a standby in order to manage 24x24-7x7 services: This functionality was introduced in version 4.1.

Implementing supervision enables you to share resources between several monitors, thus enabling transparent single-point access to the group of monitors: the supervisor manages Partners, Files and hold requests (Waiting for inbound selection or restart).

## Overview

The first reason for implementing a supervisor is to propose to external business partners a single access point to a group of monitors. The condition is that any transfer request eligible to external selection be available to any of the monitors of the group: Interrupted requests and hold transmission requests waiting for external reception requests must be shared by all managers.

The supervisor is in charge of the shared requests table, called HCT. Each member of the Plex group manages its local sysplex table, called XCT.

These new tables have been introduced in the operator and program interfaces.

The supervisor is in charge of the Partners and Files directories, and it can centralize the journal function.

## The XCT Table

The supervisor and the managers are configured through their CXPLEX file.

Each component reads its CXPLEX file if the PLEX= parameter of the EXEC card is not "NO". Plex parameters are shown in the SYSPRTX sysout file.

SYSPLEX resources are stored in the XCT and they are listed by the TSO/ISPF option 2.7 of the menu.

```

TOM4200      SYSPLEX          F=                                NAMES INITIALIZED    !
OPTION ===>                                PAGE -> PAGE

TOM4          ^-< 'COMMANDS'    -PF3- END          -PF7/PF8- SCROLL
CSGA  SUPERVISOR
-----< LN LAUNCH      SH SHUTDOWN
!
! TYPE      STATUS  SSYS      REQUESTS      PROC      SYST MAXS  STANDBY  SYST
V           1      2      3              4          5      6      7          8
___ *SUPER*  ACTIVE  TOM4    00000001/16666669 PSRTOM4M  CSGA  12
___ MANAGER  INACTIVE TOM1    16666670/33333335 PSRTOM1M  CSGB  -
___ MANAGER  ACTIVE   TOM8    33333336/50000001 PSRTOM8M  CSGA  06
___ MANAGER  ACTIVE   TOM2    50000002/66666667 PSRTOM2M  CSGA  06
___ MANAGER  ACTIVE   TOM7    66666668/83333333 PSRTOM7M  CSGB  06
___ MANAGER  INACTIVE TOM5    83333334/99999999 PSRTOM5M  CSGB  -
___ SERVER   ACTIVE   TOM4    -              PSRTOM4S  CSGB  -
___ SERVER   ACTIVE   TOM7    -              PSRTOM7S  CSGA  -
___ SERVER   ACTIVE   TOM2    -              PSRTOM2S  CSGB  -
___ SERVER   ACTIVE   TOM8    -              PSRTOM8S  CSGB  -
*** END OF LIST
    
```

A monitor that runs independently is called “standalone.” In such a monitor the XCT table is disabled.

```

TOM4200      SYSPLEX          F=                                NAMES INITIALIZED    !
OPTION ===>                                PAGE -> PAGE
XCT TABLE IS DISABLED
TOM8          ^-< 'COMMANDS'    -PF3- END          -PF7/PF8- SCROLL
CSGA  STANDALONE
-----< LN LAUNCH      SH SHUTDOWN
!
! TYPE      STATUS  SSYS      REQUESTS      PROC      SYST MAXS  STANDBY  SYST
V           1      2      3              4          5      6      7          8
*** END OF LIST
    
```

### HCT Table

The HCT table is processed like the RCT. The command 'S' is used to show the list of shared requests on all screens : Operations Control, Partners, Files, global monitoring and event extract.

### Shared requests - Operations control

```

TOM4200 OPERATIONS CONTROL ID= MODE= NAMES INITIALIZED !
OPTION ==> !
4XX/TEST
      ^ F (ID) - FILES. B - BYPASS. PSREXP
      P (ID) - PARTNERS C - COUPLING. 06/10/19
      R (ID) - REQUESTS.... S - SHARED. 04:37
      N - NETWORK. G - GLOBAL. CSGA
      T - TRANSFERS. Z - ACTIVITY. CSGPLEX
      */-/A/H/I/U - 'mode'.

MONITOR ==> TOM2 / CSGA ACTIVE GLOBAL MANAGER
EXIT UEXJNL : L1B2PDIX ENABLED

----- S DISPLAY DETAILS, E ENABLE, H DISABLE
V
_ 1076 FILES - RESOURCE : ENABLED
_ 591 PARTNERS - RESOURCE : ENABLED
_ 1 REQUESTS - RESOURCE : ENABLED IN USE AT - %
_ - SHARED - RESOURCE : SUPERVISOR
_ NETWORK - SEE DETAIL : 1ERROR(S)
_ TRANSFERS - SEE DETAIL, EFFECTORS USED/ALLOC. : - / 16
_ SSL - RESOURCE : UNUSED
X EXIT, -PF3- END, -ENTER- CONTINUE, -PF10/11- SCROLL
    
```

### Shared requests - Partners

```

TOM4200 PARTNERS 1/4 F= ID= GFIPSR4 MODE= * Row 1 of 1
OPTION ==> ! PAGE -> PAGE

TOM2 -< 'COMMANDS' -PF3- RETURN -PF7/8/10/11- SCROLL
CSGA
-----< R/S/F LISTS D DIRECTORY E ENABLE H DISABLE
!
! PARTNER STATUS PROTOCOL / TABLE LINK TYPE REST. EFF. MODE
V PART 1 2 3 4 5 6 7 8
_ PART ENABLED PESIT-E 52 MIXED SIX YES 000/256 -
*** END OF LIST
    
```

### Shared requests - Files

```

TOM4200 FILES 1/3 F= ID= FICTST MODE= * Row 1 of 1
OPTION ==> ! PAGE -> PAGE

TOM2 -< 'COMMANDS' -PF3- RETURN -PF7/8/10/11- SCROLL
CSGA
-----< R/S LISTS D DIRECTORY E ENABLE H DISABLE
!
! FILE STATUS TRANSMITTER (EXT.) <-> RECEIVER (EXT.) MODE
V FICTST 1 2 3 4 5 6 7
_ FICTST ENABLED $$ALL$$ - * $$ALL$$ - -
*** END OF LIST
    
```

## Shared Requests - Global Monitoring

```

TOM4200      OPERATIONS CONTROL 1/2
OPTION ==>

----- D DETAILS  F FILES  P PARTNERS  R REQUESTS  N NETWORK  T TRANSFERS
!          B BYPASS  Z ACTIVITY          S SHARED REQUESTS      PF10-PF11 SCROLL
V
- SUPERVISOR          => TOM4 / CSGA  ACTIVE          NET          : ENABLED
 1076  FILES          : ENABLED          EFFECTORS U./A. : - / 32
 591   PARTNERS      : ENABLED          JOURNAL: L1B2PAEX ENABLED
 1     REQUESTS      : ENABLED          - % -          SHARED      : ENABLED

- MANAGER            => TOM2 / CSGA  ACTIVE          NET          : 1ERROR(S)
 1076  FILES          : ENABLED          EFFECTORS U./A. : - / 16
 591   PARTNERS      : ENABLED          JOURNAL: L1B2PDIX ENABLED
 1     REQUESTS      : ENABLED          - % -          SHARED      : SUPERVISOR

- .          -          => TOM5 /          .          NET          : .
.          FILES          : .          EFFECTORS U./A. : . / .
.          PARTNERS      : .          JOURNAL: .          .          .
.          REQUESTS      : .          . % .          SHARED      : .

ERROR 12:INACTIVE SINCE IPL ON THIS MVS
    
```

## Shared requests - Event extract

```

TOM4200      EVENT EXTRACT                      NAMES INITIALIZED  !
OPTION ==> !

4XX/TEST

MONITOR      ==> TOM2 / CSGA  ACTIVE      GLOBAL      PSRTOM2M  MANAGER
              RACFCN= S      ADHOCN= Y      UPRFCT= Y

----- S SELECTION
V
__ FILES TABLE
__ PARTNERS TABLE
__ REQUESTS TABLE
__ SHARED REQUESTS TABLE      SUPERVISOR
__ JOURNAL
__ TOM LOG                      SYSOUT

FILE          ==>
PARTNER       ==>
REQUEST       ==>

LOCAL DSN     ==>
REMOTE DSN    ==>

X EXIT, -PF3- END, -ENTER- GO ON
    
```

A monitor that runs independently is called “standalone.” In such a monitor the HCT table is disabled.

```

TOM4200 OPERATIONS CONTROL ID= MODE= NAMES INITIALIZED !
OPTION ==> !
4XX/TEST
      ^ F (ID) - FILES. B - BYPASS. PSREXP
      P (ID) - PARTNERS C - COUPLING. 06/10/19
      R (ID) - REQUESTS.... S - SHARED. 04:46
      N - NETWORK. G - GLOBAL. CSGA
      T - TRANSFERS. Z - ACTIVITY. CSGPLEX
      */-/A/H/I/U - 'mode'.

MONITOR ==> TOM8 / CSGA ACTIVE GLOBAL STANDALONE
EXIT UEXJNL : L1B2PDIX ENABLED

----- S DISPLAY DETAILS, E ENABLE, H DISABLE
V
- 1076 FILES - RESOURCE : ENABLED
- 591 PARTNERS - RESOURCE : ENABLED
- - REQUESTS - RESOURCE : ENABLED IN USE AT - %
- - SHARED - RESOURCE : DISABLED
- - NETWORK - SEE DETAIL : 1ERROR(S)
- - TRANSFERS - SEE DETAIL, EFFECTORS USED/ALLOC. : - / 32
- - SSL - RESOURCE : UNUSED
X EXIT, -PF3- END, -ENTER- CONTINUE, -PF10/11- SCROLL
    
```

## New Connect:Express Parameters and Keywords

The table below shows new parameters, the configuration file where they are used and the description of the change or how to use it.

Parameter	File	Description
TCPORG=(SOE)	SYSIN	TCPORG=(SOE) determines the use of z/OS Socket Open Edition interface. This option is required to use both TCP/IP and SSL handler in the same address space.
SSLOPT	SYSIN	N/Y - 'N' is the default. 'Y' requires a minimum number of parameters among the SSL parameters shown below.
SSLKRG	SYSIN	Name of the RACF "Keyring" associated with the ANM. This parameter excludes SSLDTB and SSLPSW. parameters Example : SSLKRG=TOM4.KEYRING
SSLDTB	SYSIN	Name of the HFS database in which certificates are stored. This parameter requires SSLPSW and excludes SSLKRG.
SSLPSW	SYSIN	Password to access the HFS database in which certificates are stored.
SSLCER	SYSIN	Label of the local certificat defined in he HFS database or the RACF keyring. It can include blanks. This parameter is optionnal, the default of the data base or keyring is used. Example : SSLCER=Label of Paris 2 server

Parameter	File	Description
SSLPRT	SYSIN	TCP/IP port number for inbound PeSIT SSL calls. From 1 to 65535.
SSLUDF	SYSIN	X25 user data expected from PeSIT SSL Clients. The number of characters must be even. Hexadecimal, 16 characters maximum. Example: SSLUDF=AB02
SSLSAD	SYSIN	X25 sub address expected from PeSIT SSL Clients.
SSLPRO	SYSIN	TCP/IP port number for inbound Odette SSL calls. From 1 to 65535.
SSLUDO	SYSIN	X25 user data expected from Odette SSL Clients. The number of characters must be even. Hexadecimal, 16 characters maximum. Example : SSLUDF=AB02
SSLSAO	SYSIN	X25 sub address expected from Odette SSL Clients.
SSLTRC	SYSIN	0/1 - '0' is the default. '1' activaes the environment trace of the SSL handler. The trace is written in a SYSPRINT file of the ANM.
SSLTIM	SYSIN	Number of seconds during which the SSL session identifier is kept. The default is 86400 seconds.
SSLLEV	SYSIN	Minimum SSL version number supported. The default is " 30 " for SSL V3 and TLS V1. " 20 " is for SSL V2 as well, " 31 " is for TLS V1 only.
SSLAUT	SYSIN	N/Y - 'N' is the default. 'Y' means that the client authentication is required when executing as a server.
SSLCIP	SYSIN	Cipher suite: determines the preferences among the options supported by z/OS SSL services. The number of characters must be even, maximum 32 characters. Example SSLCIP=09060504. The SSL handlers doesn't control the suite during initializaion : check tthe validt of the options selected. The default is the z/OS cipher suite shown below: 050435363738392F303132330A1613100D0915120F0C0306020100
MGRTYP	CXPLEX	SUP = Supervisor MAN = Manager supervised YES = Manager NO = Servor
XCFTIM	CXPLEX	Number of minutes for the time out on XCF communications. The default is 3 minutes.
XFRTYP	CXPLEX	Transfer capability of the supervisor: NO : default, the supervisor doesn't participate to transfers. YES : the supervisor participates to transfers. HOLD : the supervisor only accepts requests of type 'HOLD'.

Parameter	File	Description
JNLSUP	CXPLEX	Journal central processing - YES/NO. On the manager side : NO : the manager doesn't send the journal record to the supervisor (default). YES : the manager sends the journal record to the supervisor. On the supervisor side : NO : the supervisor sends the journal record to the user exit, but doesn't write it in the file. YES : the supervisor sends the journal record to the user exit, and writes it in the file.
MANAGR	CXPLEX	Définition of a manager : Example : MANAGR=(SYSB,£TOMMGR1),SSN=TOM1,H 1.System where it executes (optionnal), local is the default. 2.Name of the proceduure (required) . 3.Identification SSN=TOMx : name of the subsystem. 4.Type of initialization: Hold = started by operator. If not set, the supervisor starts the manager during initiaization. Important note : All managers must be defined in the cplex file of the supervisor.
SERVER	CXPLEX	Definition of a server that will be started during initialization of the manager. The server cannot be started on the same system as the manager, because the subsystem name is the same. Example : SERVER=(SYSB,£TOMSRVP). 1.System where it executes (required) 2.Name of the proceduure (required) You can start a server without defining it in the cplex file of its manager.
XRFPRC	CXPLEX	Définition of the standby : XRF=YES is required in the EXEC PARM. If XRF=YES and no XRFPRC is defined, the recovery function is disabled. Example: XRFPRC=(SYSB,£TOMMGR1) 1.System where it executes (optional), local is the default. 2.Name of the procedure (required).

## Upgrading to Connect :Express Version 4.2.0

This section describes upgrading considerations for Connect:Express OS/390.

If you are upgrading from version 4.1.2-1 or 4.1.2-2, you will need to cold start Connect:Express as the checkpoint file structure has been changed. If you plan to use SSL functionality, review the installation procedure changes and check the special prerequisites.

Review the following items before upgrading your existing Connect:Express OS/390 system:

- ◆ You must cold start Connect:Express after upgrading because the checkpoint file structure has been changed.

- ◆ You must re-assemble and relink all user exits.

Cold starting: When you have to cold start Connect:Express and you want to keep the checkpoint information, you have to unload the current checkpoint with the program P1B8P800 after stopping the monitor that is running with the previous version. Then you can cold start with the new version and reload the previous checkpoint, using the program P1B2P801. An example £CKOFLOD is provided in the \*SAMPLIB\*.

## Installation Procedure Changes

Three new libraries are installed : BNDSSL, OBJSSL et LOADSSL. They are copied in the HTC4200 file of the tape.

Some files in the \*DISTLIB\* have been adapted:

- ◆ TOMALLO and SMPEPROC include allocation of the SSL files.
- ◆ SMPEREC, SMPELIST, SMPEAPP, SMPEACC include the HTC4200 file of the tape.

SSL programs are binded at z/OS 1.7 level. You might need to rebind them on the local system on which Connect:Express executes. Use the \$BINDSSL example provided in \*BNDSSL\*.

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## Installation Notes

This section contains installation considerations that you must observe in addition to the procedures contained in the Connect:Express OS/390 Installation Guide.

For a first installation, do the following :

- ◆ Review the *Connect:Express OS/390 Installation Guide*.
- ◆ Check all prerequisites prior to installing Connect:Express OS/390.
- ◆ Review your security configuration to ensure compatibility with Connect:Express. Refer to the *Connect:Express OS/390 Installation Guide* for security options.

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**Note:** During customization, never modify examples and JCL provided in the product libraries. First duplicate them in another file and then customize them.

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## Maintenance Updates

The file £GFIMSG in the \*DISTLIB\* library contains a list of all of the maintenance updates from version 4.1.1 that are included in this version.

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## Known Restrictions

Connect:Express version 4.2.0 has no known restrictions.



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## Documentation Updates

The Connect:Express documentation has no updates.

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## Getting Support for Sterling Commerce Products

Sterling Commerce provides intuitive technical products and superior Help and documentation to enable you to work independently. However, if you have a technical question regarding a Sterling Commerce product, use the Sterling Commerce Customer Support Web site, Support On Demand.

The Sterling Commerce Customer Support Web site at [www.sterlingcommerce.com](http://www.sterlingcommerce.com) is the doorway to Web support, information, and tools. This Web site contains several informative links, including a solutions database, an issue tracking system, fix information, documentation, workshop information, contact information, sunset and retirement schedules, and ordering information. Refer to the Customer Support Reference Guide available from the Sterling Commerce Customer Support Web site for specific information on getting support for Sterling Commerce products.

You need a Support On Demand user name and password for access to the information and services provided on the Sterling Commerce Customer Support Web site.

To obtain a Support On Demand user name and password:

1. Open your Web browser and go to <http://www.sterlingcommerce.com> to display the Sterling Commerce Web site main page.
2. Highlight **Customer Support** and click **Support On Demand** to display the Login page.
3. Click the link under **New to the Site?**
4. Read the Legal Agreement and click **Agree**.
5. Type the information required to register and click **Submit**.

Your Support On Demand user name and password will be sent to you in an e-mail.

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## Connect:Express OS/390 Documentation

Connect:Express OS/390 documentation is available on the documentation CD-ROM delivered with the product. You can view or download documentation from the Sterling Commerce Support On Demand Web site at [www.sterlingcommerce.com](http://www.sterlingcommerce.com). You need a Support On Demand user name and password. See *Getting Support for Sterling Commerce Products* on page 13 for instructions on obtaining your user name and password. Access to PDF files requires the latest version of Adobe Acrobat Reader, which you can download at [www.adobe.com](http://www.adobe.com).

The Connect:Express OS/390 documentation consists of:

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<b>File Name</b>	<b>Book Title</b>
AdminGuide.PDF	<i>Connect:Express OS/390 Administration Guide</i>
FTPGuide.PDF	<i>Connect:Express OS/390 FTP Guide</i>
InstallGuide.PDF	<i>Connect:Express OS/390 Installation Guide</i>
OptionsGuide.PDF	<i>Connect:Express OS/390 Options Guide</i>
PeSITFields.PDF	<i>Connect:Express OS/390 PeSIT User Fields Guide</i> (English and French Versions)
ReleaseNotes.PDF	<i>Connect:Express OS/390 Release Notes</i> (English and French Versions)
SslGuide.PDF	<i>Connect:Express OS/390 SSL Guide</i>
SysplexGuide.PDF	<i>Connect:Express OS/390 Sysplex Supervision Guide</i>
UserGuide.PDF	<i>Connect:Express OS/390 User Guide</i>
UtilGuide.PDF	<i>Connect:Express OS/390 Utilities Guide</i> (English and French Versions)
HttpOption.PDF	<i>Connect:Express OS/390 Option HTTP, Implementation Guide</i> (English and French Versions)

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