Connect:Express® z/OS

Release Notes
Version 4.2.3

Sterling Commerce
An IBM Company

Connect:Express z/OS Release Notes

Version 4.2.3

First Edition

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Chapter 1

Version 4.2.3 Delivery

The *Connect:Express z/OS Version 4.2.3 Release Notes* document supplements Connect:Express z/OS version 4.2.3 documentation. Release notes are updated with each release of the product and contain the description of new functionalities and product requirements, as well as other information pertinent to installing and implementing Connect:Express z/OS. Read the document in its entirety before installation.

Main new functionalities provided by this new Connect:Express version are the following:

- Http Notifications
- SMP/E Installation and Maintenance procedures.

Pre-Requisites

Connect:Express executes on IBM z/OS with no restrictions. SYSPLEX functionalities require a SYSPLEX environment set up before activating this functionalities in Connect:Express z/OS Installation Guide lists hardware and Software pre-requisites

SSL and HFS files support use of z/OS UNIX system services. These services have to be installed and set up before installation of Connect:Express.

Product Delivery

Connect:Express is shipped on CD-ROM. This CD-ROM includes product and documentation. The sticker on the CD-ROM informs you on the Product Name, Version, Release and delivery date.

In case of new product installation, a protection key is necessary and should be requested to Sterling Commerce Support.

Connect:Express installation procedure is based on CD-ROM content. For a detailed installation procedure, read *Connect:Express z/OS Installation Guide*.

First Step of Connect:Express Installation Procedure from CD-ROM

CD-ROM Content

The CD-ROM is divided into two parts:

- Product documentation in PDF format.
- Installation files:
  - CX.N42300A.BIN : Zipped file containing installation libraries.
  - CX.N42300A.TXT : Last minute Information and installation notes.
  - CX.N42300A.UNPACK : JCL to be transferred on z/OS to extract installation libraries.

Installation Files Transfer

To install the product from CD-ROM, first perform the following steps before using the general installation procedure described in *Connect:Express z/OS installation guide*.

The distribution file delivered on CD-ROM is **CX.N42300A.BIN**. the file size is around 5MB. This file contains all Connect:Express z/OS version 4.2.3 installation files.

```
CXINPAN1            Connect:Express V.rr.mm                 DATE-YYYY/MM/DD
      --------       Installation Main Menu      --------    TIME-HH:MM


 CMD ==>

  C:X Product High Level Qualifier ................ $CX
  Permanent DASD Device Type ...................... SYSDA___
  Permanent DASD Volume Serial No.  ............... ______


  Ispf Language ................................... US

  SMP/E Install (Y,N) ............................. Y

  Job Card Information
  ==>  //CXINST  JOB (CX-INSTALL),'CX INSTALL',CLASS=A,________________
  ==>  //          MSGCLASS=X,REGION=0M,NOTIFY=&SYSUID_________________
  ==>  //*___________________________________________________________
  ==>  //*___________________________________________________________

   Press ENTER to continue, PF1 for Help, PF3 to Terminate the Install
```

Starting with version 4.2.3, the installation is performed using an ISPF application. This ISPF application and installation libraries have to be transferred first from CD-ROM to the z/OS platform.

Execute the following procedure before starting the main installation process:

1. Define a High Level Qualifier HLQ for Connect:Express installation. This HLQ will be used as **$CX** in this document and installation guide**.** (Refer to Connect:Express z/OS Installation Guide for more details on HLQ **$CX**)
2. Transfer **CX.N42300A.BIN** from CD-ROM to z/OS using FTP, binary mode.
    a. Allocate the destination file: RECFM=FB, LRECL=1024, BLKSIZE=6144, SPACE=(CYL,(8,2,0),RLSE)
    b. This file name must be **$CX**.N42300A.BIN
    c. Transfer the file using FTP, binary mode.
3. Transfer **CX.N42300A.UNPACK** from CD-ROM to z/OS using FTP, text mode.
    a. Allocate the destination file: RECFM=FB, LRECL=80, BLKSIZE=32720, SPACE=(TRK,(1,1,0),RLSE)
    b. This file name must be **$CX**.N42300A.UNPACK
    c. Transfer the file using FTP, text mode.

TRSMAIN :To uncompress the distribution file on z/OS platform, the JCL provided uses the TRSMAIN utility delivered by IBM. If this utility is not available on your system, download if available from IBM ftp site: ftp://ftp.software.ibm.com/s390/mvs/tools/packlib/.

Starting Connect:Express Installation

- Proceed with those two steps to install Connect:Express:
- Read the last minutes information and installation notes
- Read and proceed with *Connect:Express z/OS installation guide.*

Protection Key

Protection key file is a text file. For a new install, you should have received it as a mail attachment. This file has to be transferred to your z/OS platform using FTP, text mode. On z/OS, this file must be a sequential file (PS), fixed record format. Use maximum line length from received text file as record length

Remark: Received file and transferred file (translated from ASCII to EBCDIC) should be identical. One exception is CPU number delimiter. If multiple CPU numbers are defined, delimiter on received file is | and ! on transferred file. All other differences are due to wrong transfer and should be reported.

Z/OS protection key file name is identified using AUTHDS keyword in Connect:Express SYSIN configuration.

If a file integrity is detected on Connect:Express first start, the following messages will appear:

```
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 an anomaly is detected while processing the file (for example an expired option), the following message will be displayed but Connect:Express does not stop:

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

Before contacting support centre, activate DD SYSPAPS card located in the monitor JCL, restart monitor and keep the generated report for further analysis by support centre.

Installation Notes

This section focuses on key points to be considered before proceeding with Connect:Express installation described in *Connect:Express z/OS installation guide* and *Connect:Express z/OS Administration guide*.

Notice: In any cases, applications and users exits have to be re-compiled.

Upgrading from Version 4.2.0 to Version 4.2.3

Migrating from version 4.2.0 ptf0 or 4.2.0 ptf1 to version 4.2.3 has the following impact:

- Because checkpoint file format changed, a cold start has to be performed
- CSA usage and subsystem interface changes in version 4.2.2 imply an upgrade of 4.2.0 load libraries for applications still running in version 4.2.0 and working with 4.2.3 monitors. If applications are using standard interfaces with monitors,

this upgrade is easy and limited to load libraries upgrade using *Update-420-ptf1-0-d0905xx.bin.zip* or later for PTF1 and *Update-420-ptf0-0-d0905xx.bin.zip* or later for PFT0. This updates are available on Sterling Commerce Support site.

Refer to paragraph “Subsystem interface changes” in *Connect:Express z/OS release notes, version 4.2.*2.

Cols start : When a cold start is necessary, unloading and reloading checkpoint file is possible using utilities P1B2P800 and P1B2P801. Use those utilities if pending requests have to be preserved. See example $CKOFLOD in SAMPLIB library.

Upgrading from Version 4.2.2 to Version 4.2.3

Migrating from version 4.2.2 to version 4.2.3 has no impact.

New Installation

For a new installation, proceed with the following steps:

- Read carefully Connect:Express z/OS installation guide.
- Check all pre-requisites and prepare installation parameters before starting install procedure.
- Check carefully security parameters.

Notice: Never modify the installation JCL in delivered libraries but apply changes in your own libraries.

TCP/IP DNS Configuration

Using HOST names implies your system is configured using one of these methods. From IBM documentation, access to TCPIP.DATA file can be configured using:

- Environment variables: RESOLVER_CONFIG
- HFS file /etc/resolv.conf
- A SYSTCPD DD card.
- A file named jobname/userid.TCPIP.DATA
- A file SYS1.TCPPARMS(TCPDATA)
- A file zapname.TCPIP.DATA

Refer to constructor documentation:

- TCP/IP OpenEdition: Planning and Release Guide, SC31-8303
- z/OS OpenEdition Planning, SC28-1890
- SOLVE:TCPaccess

SMP/E installation

IEBCOPY method is available but SMP/E installation is the recommended installation method.

Chapter 2

New Functionalities

This chapter describes news main functionalities in version 4.2.3

Functionality	**Description**
HTTP Notifications	Notifications sent to http server, on transfer start, end, on transfer error.
SMP/E Installation and Fixes Delivery	Installation and fixes delivery was fully rebuild and simplified.
New Files, Parameters and Keywords	

Version 4.2.3 includes all fixes delivered for version 4.2.2.

README member included in $CX.README library includes details on fixes applied on previous versions and included in this version.

Some news parameters or files have been added in this version and are described in New Files, Parameters and Keywords page 7

HTTP Notifications

Http notifications are now supported on all Connect:Express platforms.

On Connect:Express z/OS it is now possible to:

- Define a default notification level for a symbolic file.
- Define a notification level at request level (ISPF, Batch or generalized Exit).
- Define XML fields included in notification sent to http server..
- Define notification profiles.
- Send notifications at transfer start/end/on error.
- Send delayed or resend notifications from SYSJNL file using selection criteria.

For details on this news functionality, refer to guide *Mise en Œuvre de l'Utilitaire de Notification* and guide *Aide à l'exploitation*.

SMP/E Installation and Fixes Delivery

Product installation and maintenance is now available thru SMP/E. The SMP/E method is recommended but not mandatory. Two installation methods are available. Both are managed by an ISPF application.

An IEBCOPY method is still available if the SMP/E method is not chosen.

Using SMP/E helps to manage product life and fixes follow up. Blackouts capabilities are also a good reason to use SMP/E to manage software. The IEBCOPY method is not as flexible as the SMP/E method.

In both cases, installation is managed by an ISPF application and JCL are automatically generated.

Refer to Connect:Express z/OS installation guide for detailed installation procedures and to Connect:Express z/OS administration guide for updates and fixes procedures.

New Files, Parameters and Keywords

This paragraph details new files, parameters or keywords available from version 4.2.3 This table is sorted on File column.

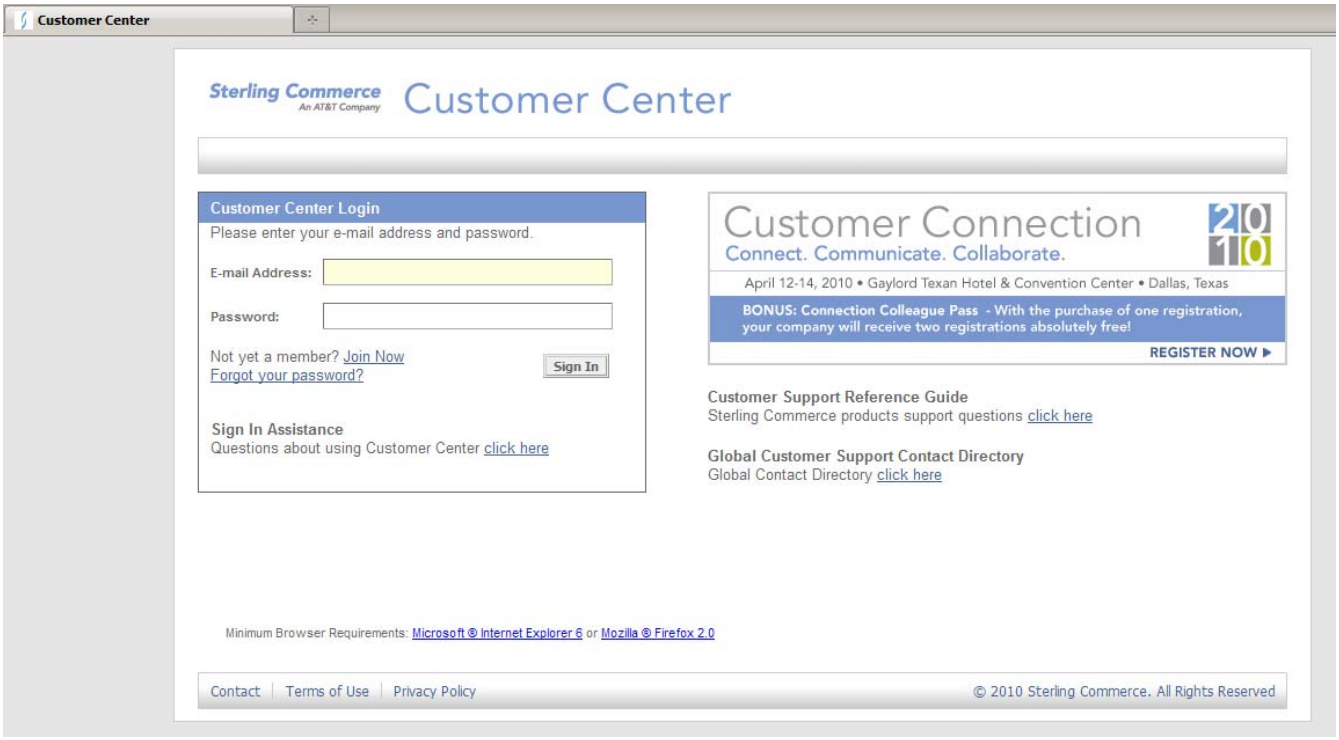
File	Parameter	Description
AFM JCL	OUTCE1	New optional OUTPUT card. This card defines a template for SYSPRINT generated by L1GFICE1 exit.
APM JCL	OUTUE1	New optional OUTPUT card. This card defines a template for SYSPRINT generated by L1GFIUE1 exit.
APM JCL	NFYPRF	New DD card to enable the use of Notification profiles.
EAS JCL	OUTUE1	New optional OUTPUT card. This card defines a template for SYSPRINT generated by L1GFIUE1 exit.
EAS JCL	NFYPRF	New DD card to enable the use of Notification profiles.
NFYPRF		All keyword parameters used in SYSINFY can be used in this profile file.
PARM card (P1B2PREQ)	NLV=	Keyword used to set notification level for a request
SYSIN (P1B2PRQ2)	NLV=	Keyword used to set notification level for a request
SYSIN (P1B2PRQ2)	NLV=	Keyword used to set notification level for a request
SYSIN (TOM)	AFMALL	
SYSINFY	ERR=	Valid value from 0 to 90. Return code generated when an error occurs in notification process.. Example: ERR=88 ou ERR=0
SYSINFY	FMT=	New value: H. Notification sent in http format.
SYSINFY	HST=	This parameter resolve HOST name and can replace SRV= parameter. Example: HST=LOCAL.ADMIN.SERVER
SYSINFY	PRF=	Profile name to use to add/replace parameters originally defined in EXEC card or SYSINFY DDNAME. Example: PRF=DEVL
SYSINFY	URI=	Administration server URI where to send http notifications. Example: URI=/cxnotif
SYSINFY	XML=	XML field to include in HTTP notification. Example: XML=MonitorIdentification
SYSUE1	DST=	Transfer destination.
SYSUE1	ORG=	Transfer Origin.
SYSUE1	&NLV	Current transfer notification level.
SYSUE1	FMT=	New value: H. Notification sent in http format.
SYSUE1	HST=	This parameter resolve HOST name and can replace SRV= parameter. Used with NFY or $FNFY$. Example: HST=LOCAL.ADMIN.SERVER
SYSUE1	NLV=	Keyword used to set notification level for a request. Used with REQ

File	Parameter	Description
SYSUE1	PRF=	Profile name to use to add/replace parameters originally defined in EXEC card or SYSINFY DDNAME. Used with NFY or $FNFY$. Example: PRF=DEVL
SYSUE1	URI=	Administration server URI where to send http notifications. Used with NFY or $FNFY$. Example: URI=/cxnotif
SYSUE1	XML=	XML field to include in HTTP notification. Used with NFY or $FNFY$. Example: XML=MonitorIdentification
TOM JCL	OUTCE1	New optional OUTPUT card. This card defines a template for SYSPRINT generated by L1GFICE1 exit.
TOM JCL	NFYPRF	New DD card to enable the use of Notification profiles.

Chapter 3

Sterling Commerce Online Support

Sterling Commerce delivers intuitive technical products including online help and documentation. For technical questions about these products connect to the Sterling Commerce online Customer Support site:
http://customer.sterlingcommerce.com



On this site, find:

- Online Support
- Products information
- Search tools
- Knowledge base links.
- A diagnostic system.
- Fixes information.
- Documentation.
- Contacts.
- Products versions.

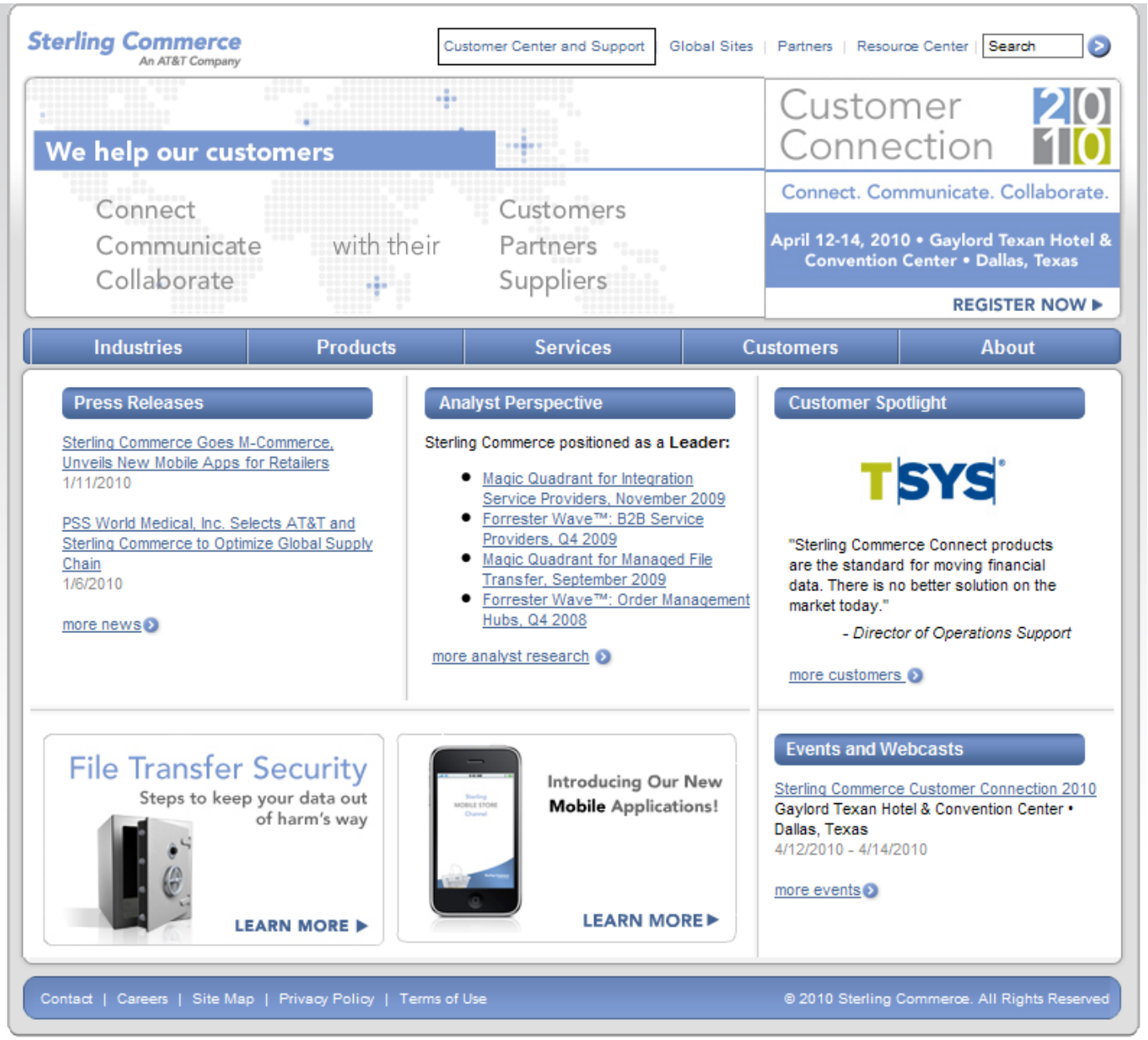
Refer to Customer Support Reference Guide available on site.

An access code is mandatory to access this site

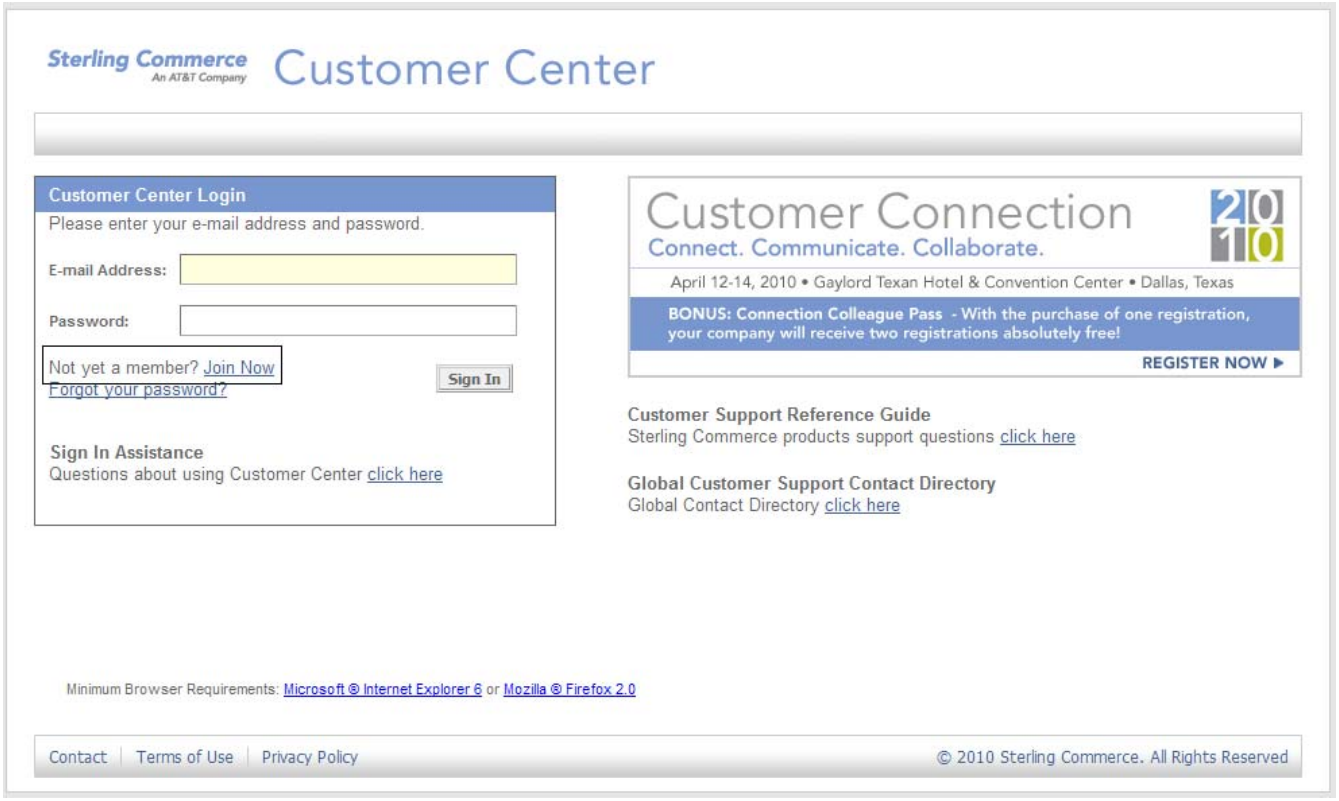
Signing In

To Sign in, follow these steps

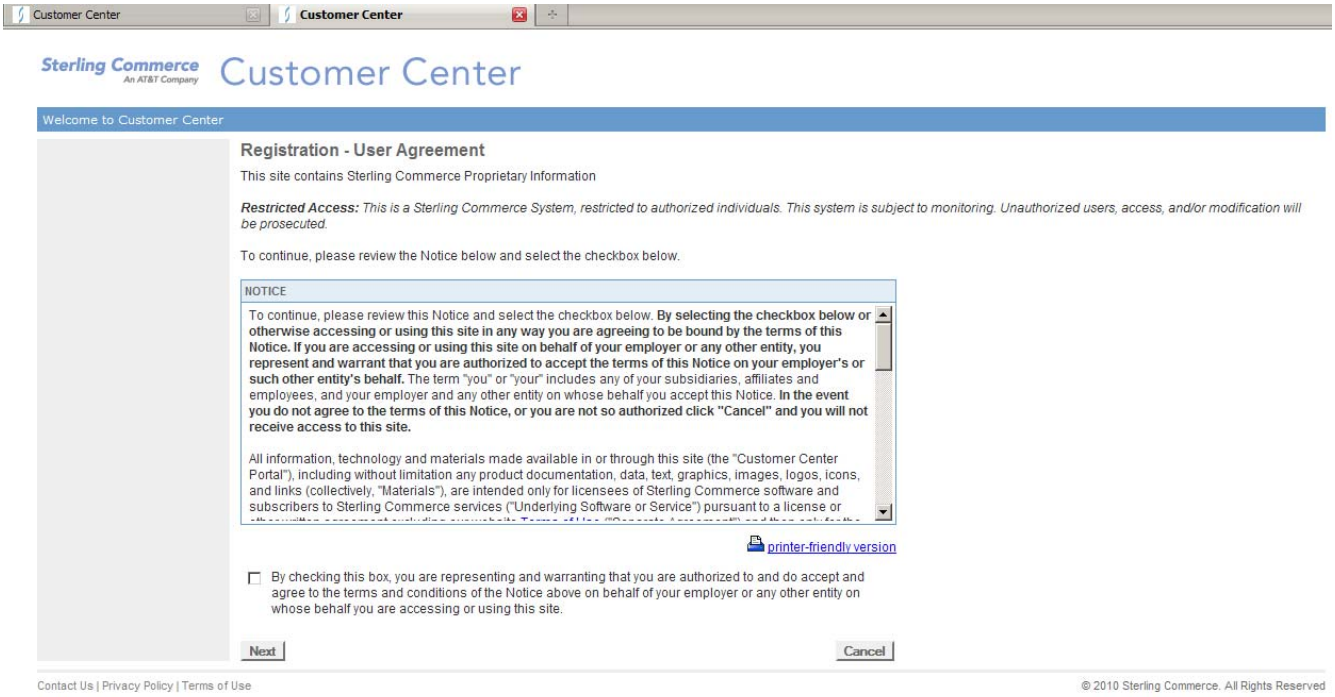
- Open your web browser and go to http://www.sterlingcommerce.com to access to Sterling Commerce site home page.
- Select **Customer Center and Support**.



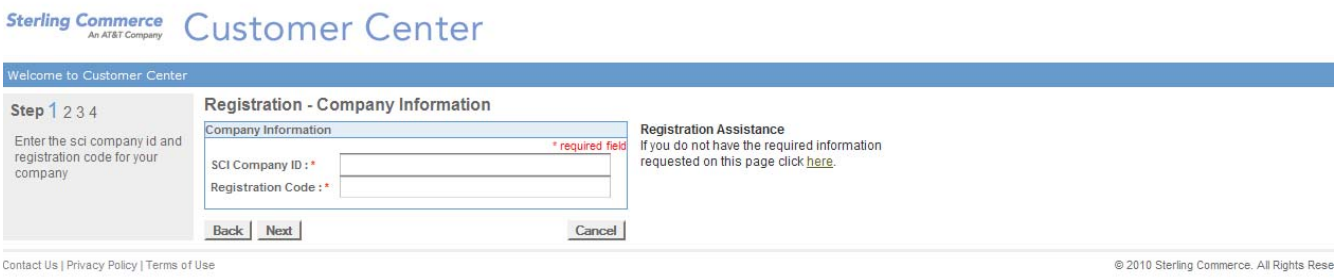
- Select **Not Yet a member? Join Now.**



- Read and accept User Agreement



- Fill the requested and required information.



- Validate your registration.
- Your access code is delivered by electronic mail.

Connect:Express Online Documentation

Documents delivered on CD-ROM are PDF files (Portable Document Format). To read these documents, Adobe Acrobat Reader is necessary and can be downloaded at www.adobe.com.

Using Connect:Express Online Documentation

PDF files delivered on CD-ROM can be opened from CD or copied on your hard disk

The following documents are available:

- CXZOSAdminGuide.PDF: Administratrion Guide
- CXZOSAgent_notification.PDF : Notification Utility Guide (French version)
- CXZOSFTPGuide.PDF: FTP Guide
- CXZOSInstallGuide.PDF: Installation Guide
- CXZOSOptionsGuide.PDF: Options Guide
- CXZOSPeSITFields.PDF: PeSIT User Fields Guide (English and French version)
- CXZOSReleaseNotes.PDF: Release Notes (English and French version)
- CXZOSSslGuide.PDF: SSL implementation Guide (English and French version)
- CXZOSSysplexGuide.PDF: Sysplex supervision Guide (English and French version)
- CXZOSUserGuide.PDF: User Guide
- CXZOSUtilGuide.PDF: Utilities Guide (English and French version)