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Session 15

SFA to the Internet:
Mainframe Connectivity

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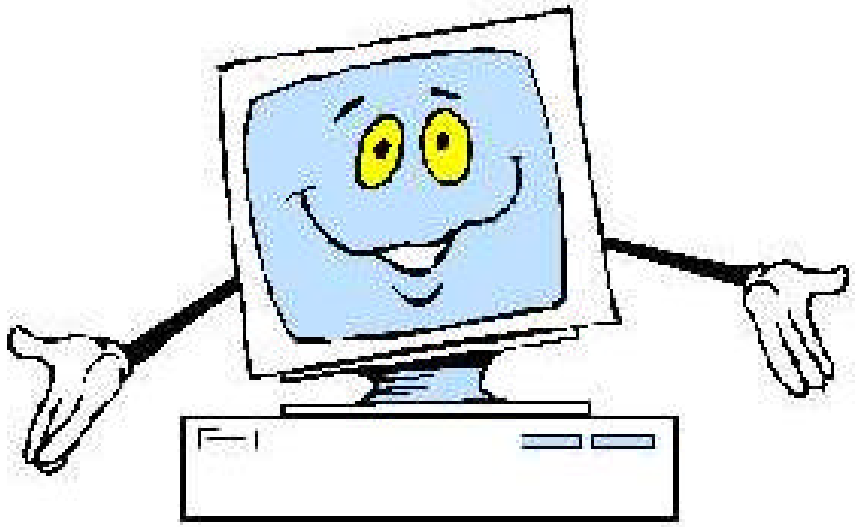
Introduction

- Who is this session for?
  - Current midrange/mainframe
  - New Destination Points
  - Technical
- Evaluations
- Questions
  - Conclude with Open Discussion



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Agenda

SFA to the Internet Overview

SecurePortal

EasyAccess Client

Online SecureManager (OSM)

Your Responsibilities to Prepare

Migration Process

Open Discussion

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Why move to the Internet?

- Eliminate proprietary transmission costs
- Consolidate multiple store and forward systems into one entity
- Utilize a COTS solution
- Use of your direct Internet connection
- Combo schools can now use 32-bit EDconnect

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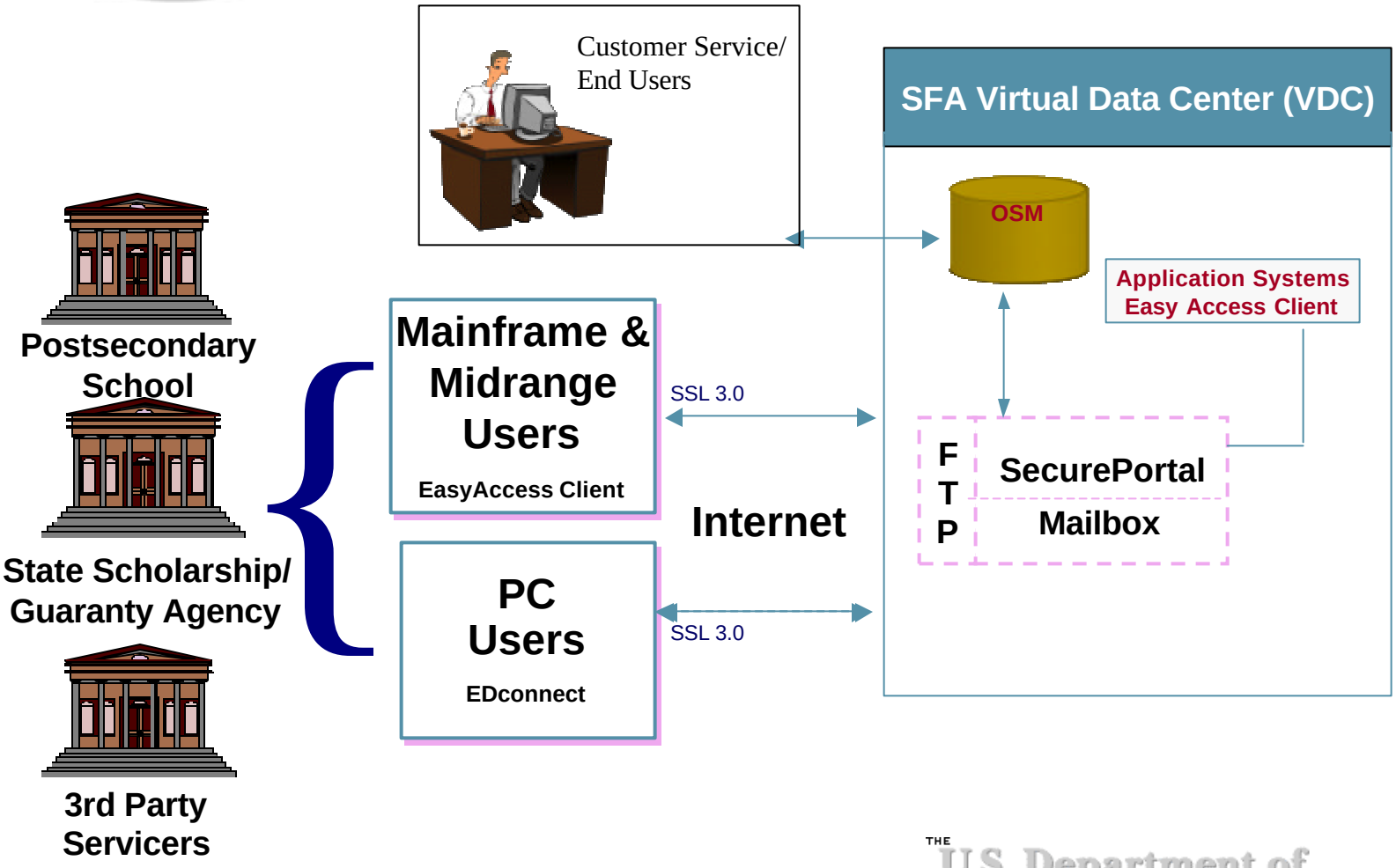
SFA to the Internet

- One store and forward system
- Mainframe, Midrange, and PC platforms supported
- Secure TCP/IP-based FTP file transfers over Internet
- Supports current business processes

SFA to the Internet



Security of the Data

- Utilizes Secure Sockets Layer (SSL 3.0) as encryption solution for securing privacy of transmitted Title IV data
- Encryption and data protection solution is used throughout the majority of eBusiness, eCommerce, and eGovernment applications
- UserID and password authentication will be required to gain access to your mailbox

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Three Components

SecurePortal – Store and forward mailboxing system.

EasyAccess - Client software used to send and receive data.

Online Secure Manager (OSM) - Administrative system for mailbox management and administrative duties

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SecurePortal

- Mailboxing system located at the VDC
- Current users will retain TIVWAN TG identifier
- Default password will be set to PASSWORD (all upper case)

EasyAccess Client

- Posted on http://SFADownload.ed.gov
- PC users-EasyAccess is integrated into the EDconnect Internet release v5.0
- The Host Communication Guide for Mainframe and Midrange Users
- The EasyAccess Command Line Guide and Customization Guide

EasyAccess Client

- Non-PC users-will need to install the Easy Access software
  - Create/Update JCL or scripts
  - EasyAcc INI file

    Contains parameters and setup used to connect to the correct IP address and compression and decompression default parameters.
  - EXFER INI file

    Location of all saved transfer statements

Supported Platforms

- OS/390 MVS/ESA (2.6) LE (1.9)
- OS/400 4.2+ (Compiler Level 3.7)
- AIX 4.2+
- Sun Solaris 2.6+
- DEC Open VMS 7.1
- HPUX 10.01+
- SCO UNIX 4.3+
- Digital UNIX 4.0 (DEC UNIX)

Basics EasyAccess

- Password Change
- Query List
- Sending Data
- Receiving Data

Sample JCL

```
//job card
//STEP0020  EXEC PGM=EA2KMVSC,REGION=1440M,PARM='CMDFILE=DD:CMDRECV'
//STEPLIB   DD DSN=WAN.P383017.EASYACC.LOADLIB,DISP=SHR
//EASYACC   DD DSN=WAN.T383017.D081501.APPSYS.EASYACC.INI,DISP=SHR
//EXFER     DD DSN=WAN.P383017.EASYACC.EXFER.INI,DISP=SHR
//CMDRECV DD *
NETWORK=SAIGPORTAL FTPUSERID=TGnnnnn
FTPPASSWD=PASSWORD/newpassword/newpassword RESET
TRANSFER=(NAME=RECTEST
      RECEIVE=DD:RECVFLE)
TRANSFER=(NAME=SENDFLE SENDUSERID=TGnnnnn SEND=DD:SENDFILE
      OTHER_COMP_PARMS='SECFILE=DD:SECFILEX')
//RECVFLE   DD DSN=your.received.data,
//             DISP=(NEW,CATLG),UNIT=SYSDA,
//             DCB=(LRECL=2850,BLKSIZE=28500,RECFM=FB),
//             SPACE=(CYL,(30,13))
//SENDFILE  DD DSN=your.send.data,DISP=SHR
```

Sample JCL

```
//SYSUT1    DD DISP=NEW,UNIT=SYSDA,SPACE=(CYL,(5,5)),
//             LRECL=8192,BLKSIZE=0,RECFM=VB
//SYSUT2    DD DISP=NEW,UNIT=SYSDA,SPACE=(CYL,(5,5)),
//             LRECL=8192,BLKSIZE=0,RECFM=VB
//WORK01    DD DISP=NEW,UNIT=SYSDA,SPACE=(CYL,(5,5)),
//             LRECL=8192,BLKSIZE=0,RECFM=VB
//WORK02    DD DISP=NEW,UNIT=SYSDA,SPACE=(CYL,(5,5)),
//             LRECL=8192,BLKSIZE=0,RECFM=VB
//WORK03    DD DISP=NEW,UNIT=SYSDA,SPACE=(CYL,(5,5)),
//             LRECL=8192,BLKSIZE=0,RECFM=VB
//WORK04    DD DISP=NEW,UNIT=SYSDA,SPACE=(CYL,(5,5)),
//             LRECL=8192,BLKSIZE=0,RECFM=VB
//EASTATUS  DD DSN=your.eastatus.dataset.name,
//             DISP=(NEW,CATLG),UNIT=SYSDA,SPACE=(CYL,(5,5)),
//             LRECL=8192,BLKSIZE=0,RECFM=VB
//COMPLOG   DD SYSOUT=*
//DCMPLOG   DD SYSOUT=*
//OUTMSG    DD SYSOUT=*
//SYSPRINT  DD SYSOUT=*
//EAFTPLOG  DD SYSOUT=*
//EXFERLOG  DD SYSOUT=*
//RESPLOG   DD SYSOUT=*
//CPFTPLOG  DD SYSOUT=*
//
```

Password Change

NETWORK=SAIGPORTAL

FTPUSERID=TGnnnnn

FTPPASSWD=PASSWORD/newpassword/newpassword

Query List

NETWORK=SAIGPORTAL

FTPUSERID=TGnnnnn

FTPPASSWD=currentpassword

QUERY_LIST QUERY_FILE=DD:QUERY

QUERY_STATUS=RECEIVED

Sending Data

NETWORK=SAIGPORTAL

FTPUSERID=TGnnnnn

FTPPASSWD=currentpassword RESET

TRANSFER=(NAME=anything SENDUSERID=templocation

SEND=DD:SENDFILE

OTHER_COMP_PARMS='SECFILE=DD:SECFILEX') SAVE

Sample Send File

```
O*N01                                                    73
O*N05TG50002       ,CLS=CORR02IN,XXX,BAT=#C20018092001102516292 7,NCT=000000
CPS HEADER  0580HTG51809  20011025162927            0102#C20018092001102516292 7   31
2050668038SA02004195 ROHRET RD                     005SOUTH BEND
07609099I                              2143805127MO03002CHRISTOPHER
0041700 CAROLINA ST                    0702
CPS TRAILER 0580HTG5180920011025162927             010200002#C20018092001102516292 7 31
O*N95TG50002       ,CLS=CORR02IN,XXX,BAT=#C20018092001102516292 7,NCT=000000
O*N05TG50002       ,CLS=CORR02IN,XXX,BAT=#C20018102001102516294 5,NCT=000000
CPS HEADER  0580HTG51809  20011025162927            0102#C20018102001102516294 5   31
2091118038SA02004195 MAIN ST                       005IOWA CITY
2043805127MO03002JOE                               0041700 RENO ST
CPS TRAILER 0580HTG5180920011025162927             010200002#C20018102001102516294 5 31
O*N95TG50002       ,CLS=CORR02IN,XXX,BAT=#C20018102001102516294 5,NCT=000000
O*N99                                                    73
```

SECFILE

```
//SECFILEX  DD *
SENDER(TGnnnnn);
HEADERLITERAL(O*N05) HEADERSTART(1) RECEIVERSTART(6) RECEIVERLENGTH(14)
CLASSSTART(25) CLASSLENGTH(8);
TRAILERLITERAL(O*N95) TRAILERSTART(1);
LITERAL(O*N01) LITERALSTART(1) DROP(Y);
LITERAL(O*N99) LITERALSTART(1) DROP(Y);
//*
```

Receiving Data

NETWORK=SAIGPORTAL
FTPUSERID=TGnnnnn
FTPPASSWD=currentpassword
RESET

TRANSFER=(NAME=anything1
RECEIVECLASS=SARA02OP
RECEIVE=DD:SARA02OP)

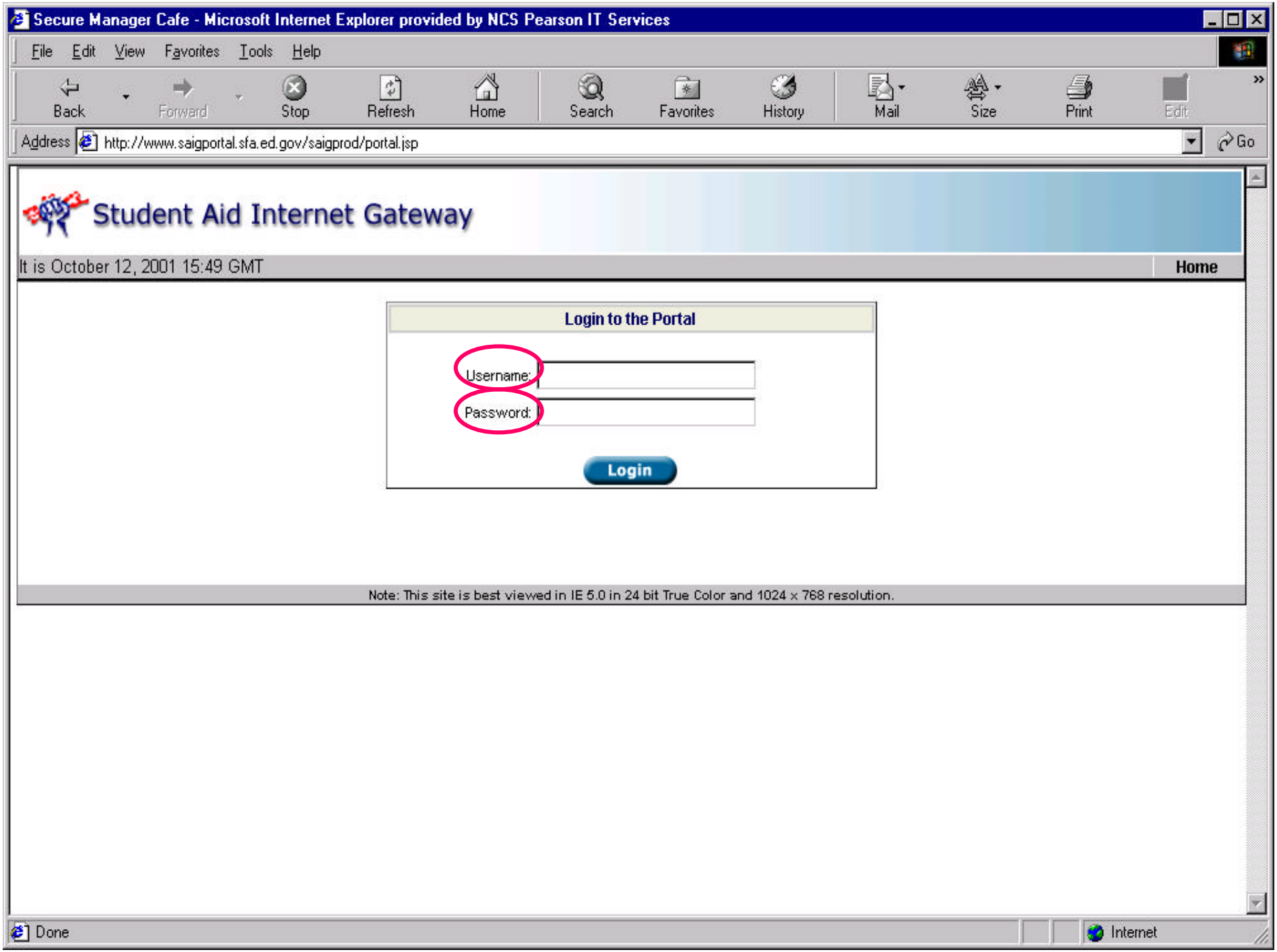
TRANSFER=(NAME=anything2
RECEIVE=DD:ALLDATA)

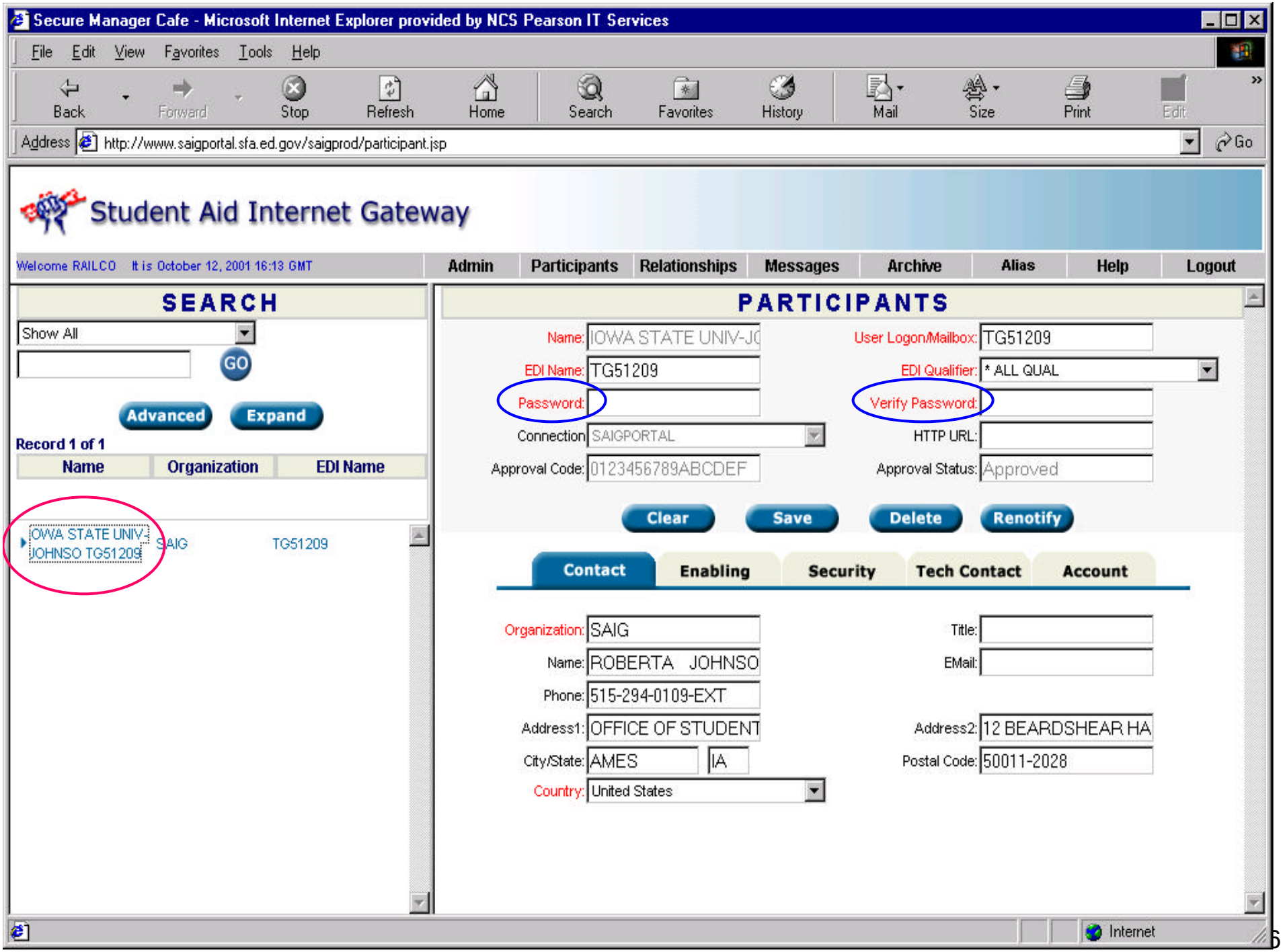
What about my TIVWAN software?

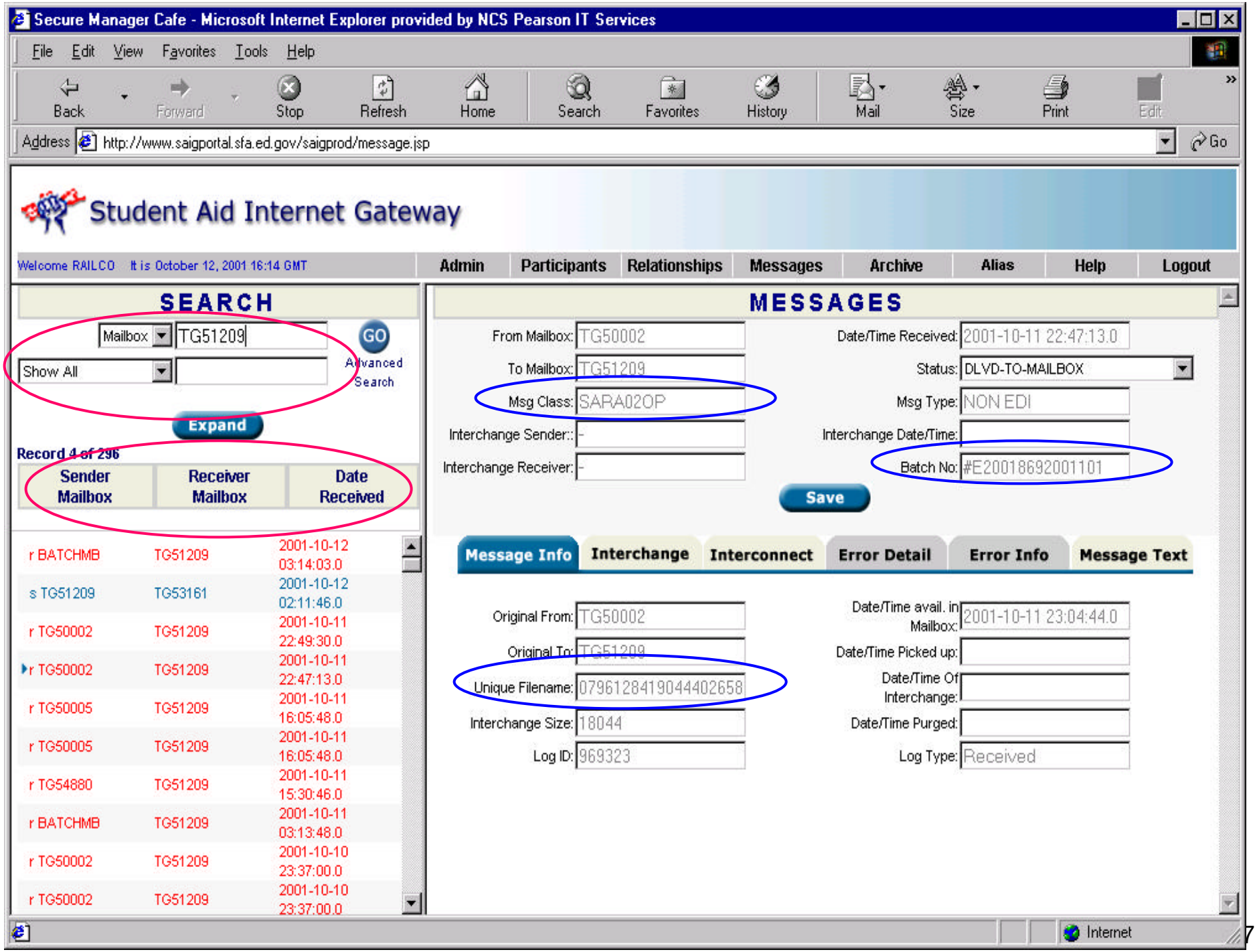
- TIVWAN mainframe connectivity software (onvtam62, dsxmitx, emulation)
- Do at least one more transmission to "clean out" old mailbox
- Keep TIVWAN software in case you need to restore data or use online query
- Remove TIVWAN software after December 18, 2001

Online Secure Manager

- Monitor sent and received files
- Accessible via Internet Explorer
- Same password as mailboxing system
- Supports advanced search options
- Capability to restore files to mailbox that have been received


Secure Manager Cafe - Microsoft Internet Explorer provided by NCS Pearson IT Services
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Size Print Edit
Address http://www.saigportal.sfa.ed.gov/saigprod/portal.jsp
Go
Student Aid Internet Gateway
It is October 12, 2001 15:49 GMT
Home
Login to the Portal
Username:
Password:
Login
Note: This site is best viewed in IE 5.0 in 24 bit True Color and 1024 x 768 resolution.
Done
Internet


Secure Manager Cafe - Microsoft Internet Explorer provided by NCS Pearson IT Services
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Size Print Edit
Address http://www.saigportal.sfa.ed.gov/saigprod/participant.jsp
Go
Student Aid Internet Gateway
Welcome RAILCO It is October 12, 2001 16:13 GMT
Admin Participants Relationships Messages Archive Alias Help Logout
SEARCH
Show All
GO
Advanced Expand
Record 1 of 1
Name Organization EDI Name
OWA STATE UNIV-JOHNSO TG51209 SAIG TG51209
PARTICIPANTS
Name: IOWA STATE UNIV-JC
User Logon/Mailbox: TG51209
EDI Name: TG51209
EDI Qualifier: * ALL QUAL
Password:
Verify Password:
Connection: SAIGPORTAL
HTTP URL:
Approval Code: 0123456789ABCDEF
Approval Status: Approved
Clear Save Delete Renotify
Contact Enabling Security Tech Contact Account
Organization: SAIG
Title:
Name: ROBERTA JOHNSO
EMail:
Phone: 515-294-0109-EXT
Address1: OFFICE OF STUDENT
Address2: 12 BEARDSHEAR HA
City/State: AMES IA
Postal Code: 50011-2028
Country: United States
Internet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File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Size Print Edit
Address http://www.saigportal.sfa.ed.gov/saigprod/message.jsp
Go
Student Aid Internet Gateway
Welcome RAILCO It is October 12, 2001 16:14 GMT
Admin Participants Relationships Messages Archive Alias Help Logout
SEARCH
Mailbox TG51209
GO
Advanced Search
Show All
Expand
Record 4 of 296
Sender Mailbox
Receiver Mailbox
Date Received
r BATCHMB TG51209 2001-10-12 03:14:03.0
s TG51209 TG53161 2001-10-12 02:11:46.0
r TG50002 TG51209 2001-10-11 22:49:30.0
r TG50002 TG51209 2001-10-11 22:47:13.0
r TG50005 TG51209 2001-10-11 16:05:48.0
r TG50005 TG51209 2001-10-11 16:05:48.0
r TG54880 TG51209 2001-10-11 15:30:46.0
r BATCHMB TG51209 2001-10-11 03:13:48.0
r TG50002 TG51209 2001-10-10 23:37:00.0
r TG50002 TG51209 2001-10-10 23:37:00.0
MESSAGES
From Mailbox: TG50002
To Mailbox: TG51209
Msg Class: SARA02OP
Interchange Sender:: -
Interchange Receiver: -
Date/Time Received: 2001-10-11 22:47:13.0
Status: DLVD-TO-MAILBOX
Msg Type: NON EDI
Interchange Date/Time:
Batch No: #E20018692001101
Save
Message Info Interchange Interconnect Error Detail Error Info Message Text
Original From: TG50002
Original To: TG51209
Unique Filename: 07961284190444026 58
Interchange Size: 18044
Log ID: 969323
Date/Time avail. in Mailbox: 2001-10-11 23:04:44.0
Date/Time Picked up:
Date/Time Of Interchange:
Date/Time Purged:
Log Type: Received
Internet

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Recommended Session

Session 16

SFA to the Internet:

EDconnect Software

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How do I prepare?

Verify your Internet Service Provider supports:

- TCP/IP (stack)
- FTP (file transfer protocol)
- MVS must have OpenMVS
- Successful connections to the Internet
- Test access - Download files from **http://SFADownload.ed.gov**

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How do I prepare?

Ensure your Destination Point Administrator's authentication identifiers are current on SAIG Enrollment web site: http://SFAWebEnroll.ed.gov

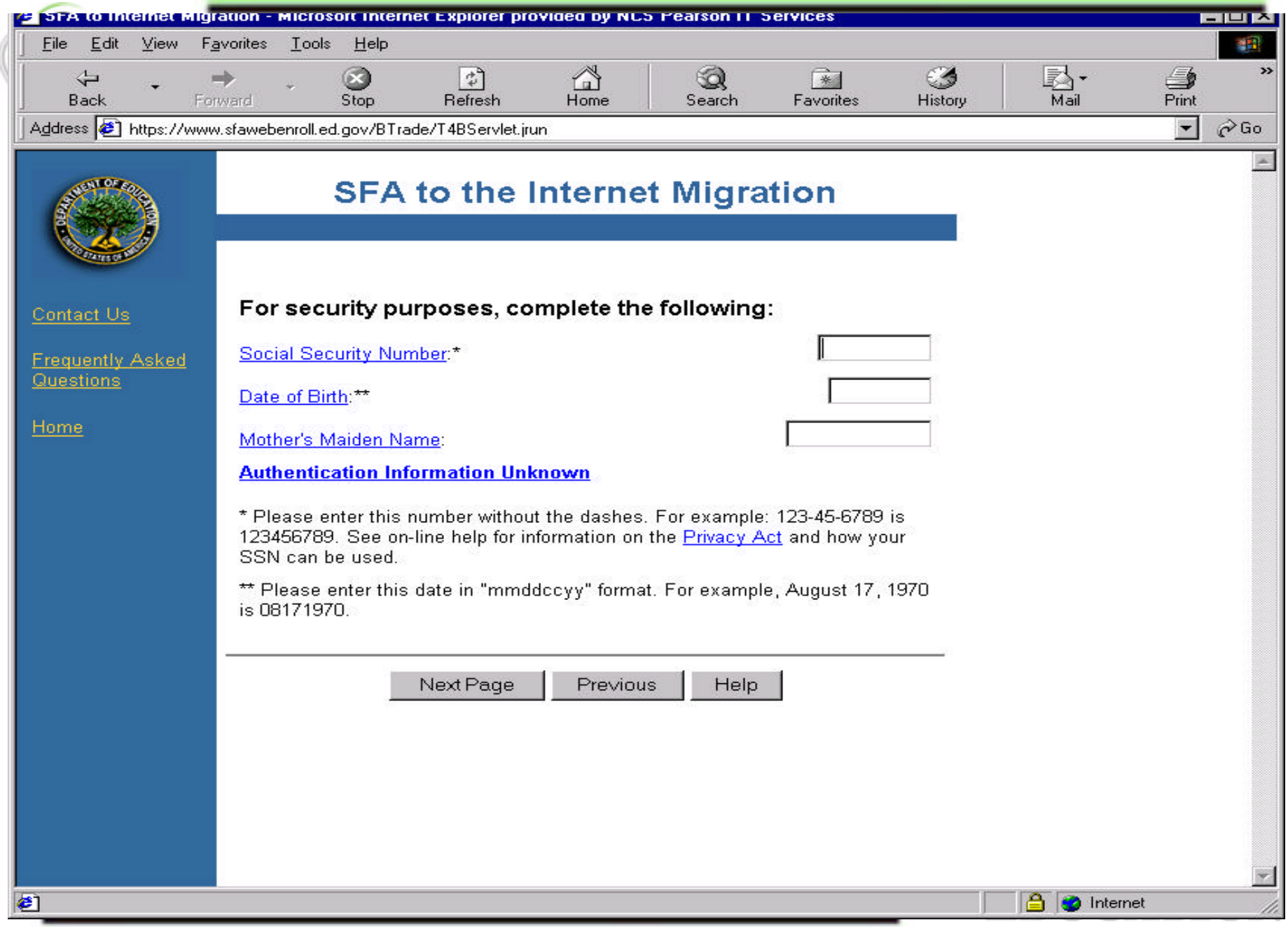
- **Social Security Number**
- **Date of Birth**
- **Mother's Maiden Name**

Migration Step by Step

1. Download software and documentation from SFADownload web site: http://SFADownload.ed.gov
2. Install the software
3. Create JCL/Scripts to execute EA Client
4. Execute initial password change
5. Send test file(s) to test mailbox
6. Receive test file(s) from test mailbox

Migration Step by Step

6. Go to SAIG Enrollment web site: http://SFAWebEnroll.ed.gov
7. Click “Migrate to Student Aid Internet Gateway (SAIG)” icon.
   - Review displayed text explaining the impending migration.
   - Confirm your intent to migrate to SAIG.
8. Receive on-screen confirmation message from SFA.
9. Begin sending/receiving data via the Internet.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File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print
Address https://www.sfawebenroll.ed.gov/BTrade/T4BServlet.jrun
Go
SFA to the Internet Migration
Contact Us
Frequently Asked Questions
Home
For security purposes, complete the following:
Social Security Number:*
Date of Birth:**
Mother's Maiden Name:
Authentication Information Unknown
* Please enter this number without the dashes. For example: 123-45-6789 is 123456789. See on-line help for information on the Privacy Act and how your SSN can be used.
** Please enter this date in "mmddccyy" format. For example, August 17, 1970 is 08171970.
Next Page
Previous
Help
Internet

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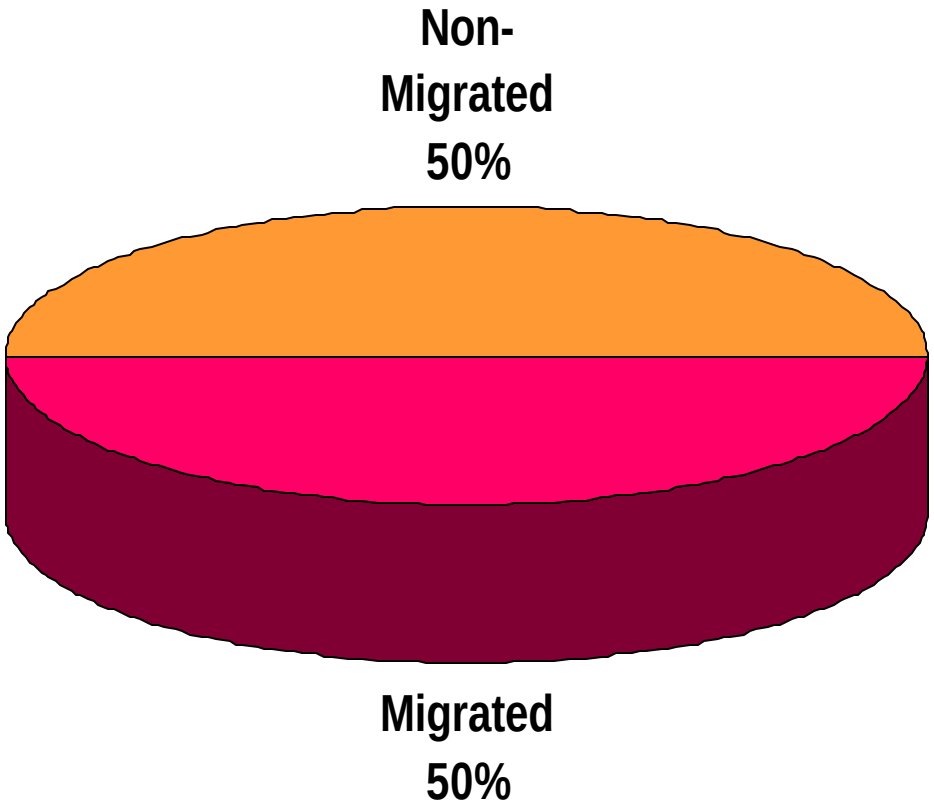
Migration Information



Migration Details

- 27 SNI users migrated
- 10 DSXMITX
- 1 AS-400
- 1 Sun Solaris
- 8 Converted to PC

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Migration Feedback

- "I love the new program. It was very easy migrating. It is extremely fast and I enjoy using it." - *New England Institute of Technology*
- "This new system is unbelievable. I cannot believe how much easier it is than RJE." - *South Carolina Student Loan Corp.*
- "We have successfully migrated to the Student Aid Internet Gateway (SAIG) and switched from mainframe to PC connection. I am very impressed and pleased of the effective internet transmission."

  - Georgia State University
- "I wanted to send you a quick note to let you know how easy the migration process was for me. I did have one little slip-up that was my fault and when I called tech support they were very helpful (as always) and got me on track. Just wanted to pass along my appreciation." - *Providence College*

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Support During Migration

- Customer service hours during the migration will be 7am – 7pm Central Time
- Users can arrange for off-hours support with migration specialists
- December 18, 2001 Migration complete
  TIV WAN ceases operation

Note: Mailboxes that have not migrated by December 18, will be automatically converted over to the new system.

Support Plan

- Customer Service - Technical Support Reps trained specifically in mainframe transmission
- Administrators of SFA to the Internet
- Requirements and Testing Engineer
- Mainframe Development Team Lead
- bTrade, Inc. Product Support

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CPS/WAN Technical Support

Phone: 800-330-5947

Fax: 319-358-4260

Email: cpswan@ncs.com

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Review

- SFA to the Internet is here!
- SecurePortal
- EasyAccess Client
- Online SecureManager
- Migrate by December 18, 2001

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Open Discussion

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