

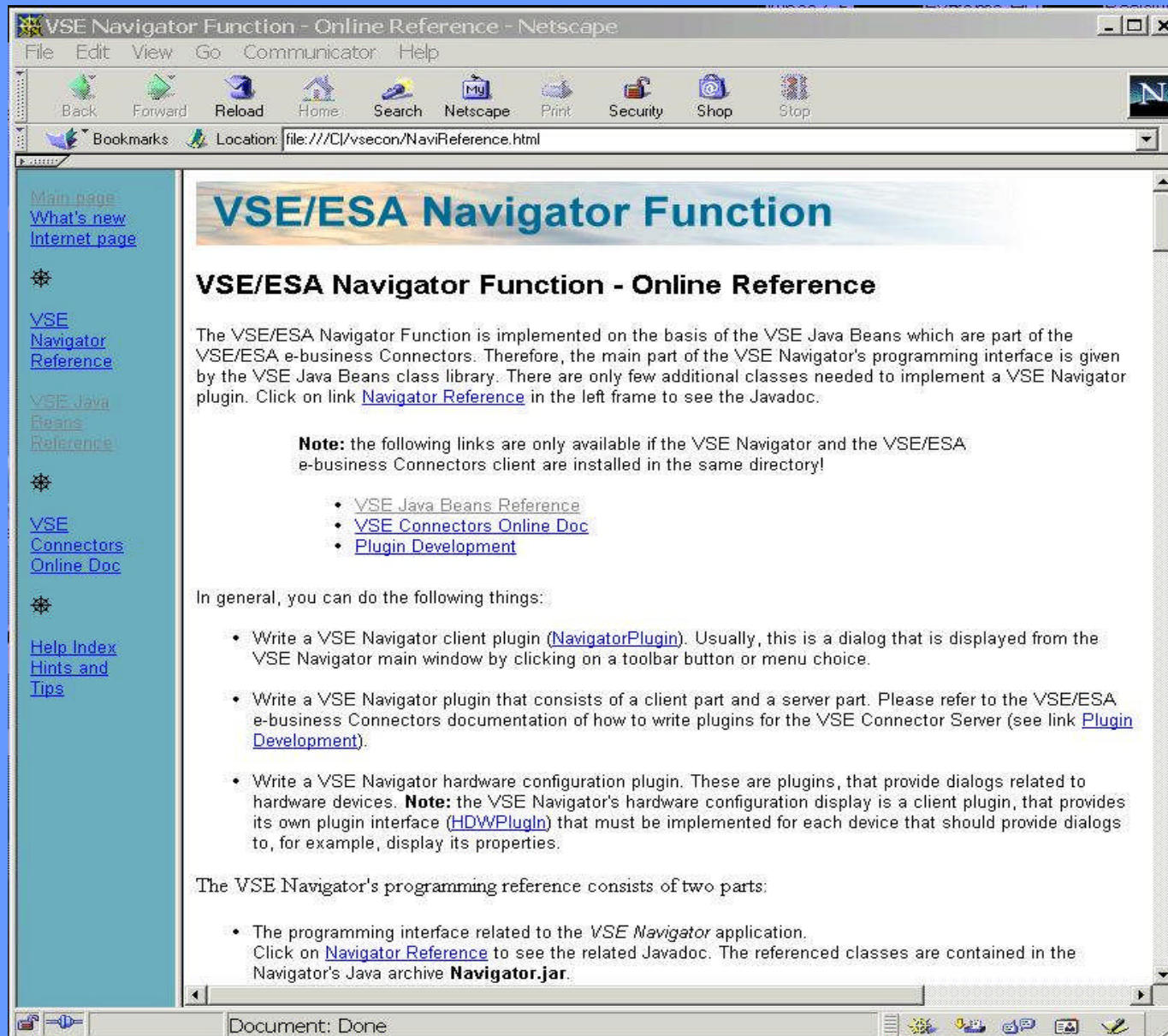
zVSE Navigator, Connectors, etc.

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→ Documentation



The screenshot shows a Netscape browser window titled "VSE Navigator Function - Online Reference - Netscape". The address bar shows the file path: "file:///C:/vsecon/NavReference.html". The browser interface includes a menu bar (File, Edit, View, Go, Communicator, Help) and a toolbar with icons for Back, Forward, Reload, Home, Search, Netscape, Print, Security, Shop, and Stop. The main content area displays the title "VSE/ESA Navigator Function" and the subtitle "VSE/ESA Navigator Function - Online Reference". The text describes the VSE/ESA Navigator Function as implemented on the basis of the VSE Java Beans, which are part of the VSE/ESA e-business Connectors. It mentions that the main part of the VSE Navigator's programming interface is given by the VSE Java Beans class library, and only a few additional classes are needed to implement a VSE Navigator plugin. A note states that the following links are only available if the VSE Navigator and the VSE/ESA e-business Connectors client are installed in the same directory. The links listed are: VSE Java Beans Reference, VSE Connectors Online Doc, and Plugin Development. The text also lists several things you can do in general: write a VSE Navigator client plugin (NavigatorPlugin), write a VSE Navigator plugin with client and server parts, and write a VSE Navigator hardware configuration plugin. The VSE Navigator's programming reference is said to consist of two parts: the programming interface related to the VSE Navigator application and the VSE Navigator's Java archive (Navigator.jar).

[Main page](#)
[What's new](#)
[Internet page](#)

✳

[VSE Navigator Reference](#)

[VSE Java Beans Reference](#)

✳

[VSE Connectors Online Doc](#)

✳

[Help Index](#)
[Hints and Tips](#)

VSE/ESA Navigator Function

VSE/ESA Navigator Function - Online Reference

The VSE/ESA Navigator Function is implemented on the basis of the VSE Java Beans which are part of the VSE/ESA e-business Connectors. Therefore, the main part of the VSE Navigator's programming interface is given by the VSE Java Beans class library. There are only few additional classes needed to implement a VSE Navigator plugin. Click on link [Navigator Reference](#) in the left frame to see the Javadoc.

Note: the following links are only available if the VSE Navigator and the VSE/ESA e-business Connectors client are installed in the same directory!

- [VSE Java Beans Reference](#)
- [VSE Connectors Online Doc](#)
- [Plugin Development](#)

In general, you can do the following things:

- Write a VSE Navigator client plugin ([NavigatorPlugin](#)). Usually, this is a dialog that is displayed from the VSE Navigator main window by clicking on a toolbar button or menu choice.
- Write a VSE Navigator plugin that consists of a client part and a server part. Please refer to the VSE/ESA e-business Connectors documentation of how to write plugins for the VSE Connector Server (see link [Plugin Development](#)).
- Write a VSE Navigator hardware configuration plugin. These are plugins, that provide dialogs related to hardware devices. **Note:** the VSE Navigator's hardware configuration display is a client plugin, that provides its own plugin interface ([HDWPlugin](#)) that must be implemented for each device that should provide dialogs to, for example, display its properties.

The VSE Navigator's programming reference consists of two parts:

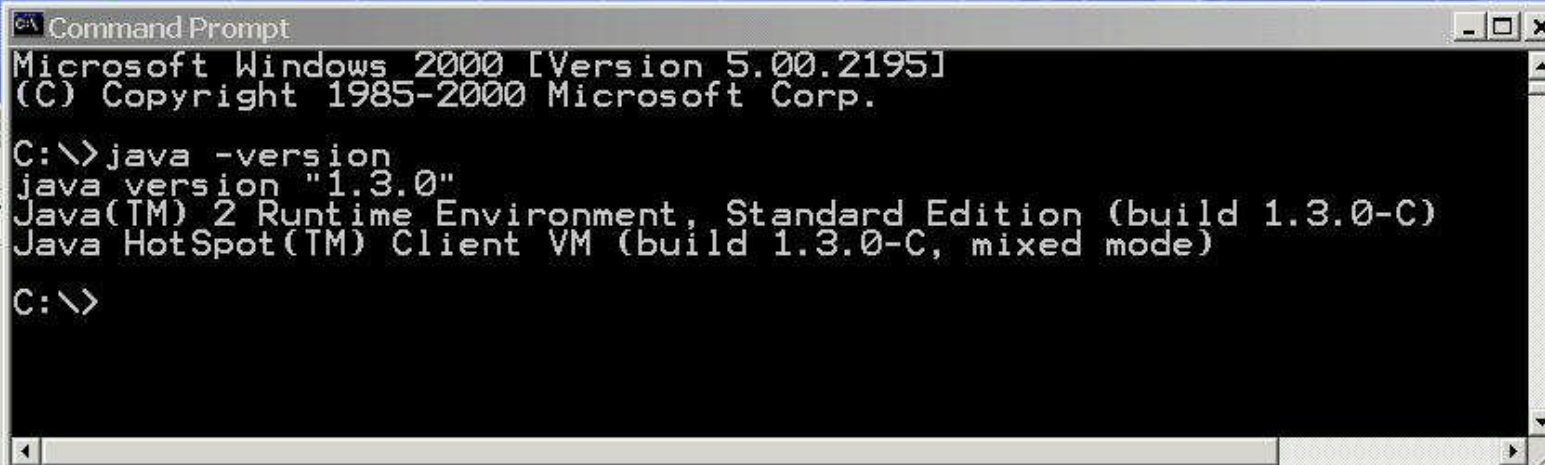
- The programming interface related to the *VSE Navigator* application. Click on [Navigator Reference](#) to see the related Javadoc. The referenced classes are contained in the Navigator's Java archive **Navigator.jar**.

→ Connectors Packages

- Connectors Tools Samples

- VSE Connector Client
- VSE Script Server
- TCP/IP Configuration Dialog
- VSE Health Checker
- CICS2WS Toolkit
- VSAM Redirector Server
- VSE Navigator
- VSEPrint utility
- VSE System class library
- VSE Virtual Tape Server
- VSAM Maptool
- Keyman/VSE
- WebSphere MQ Client for VSE

→ JDE or JRE and Java Version information

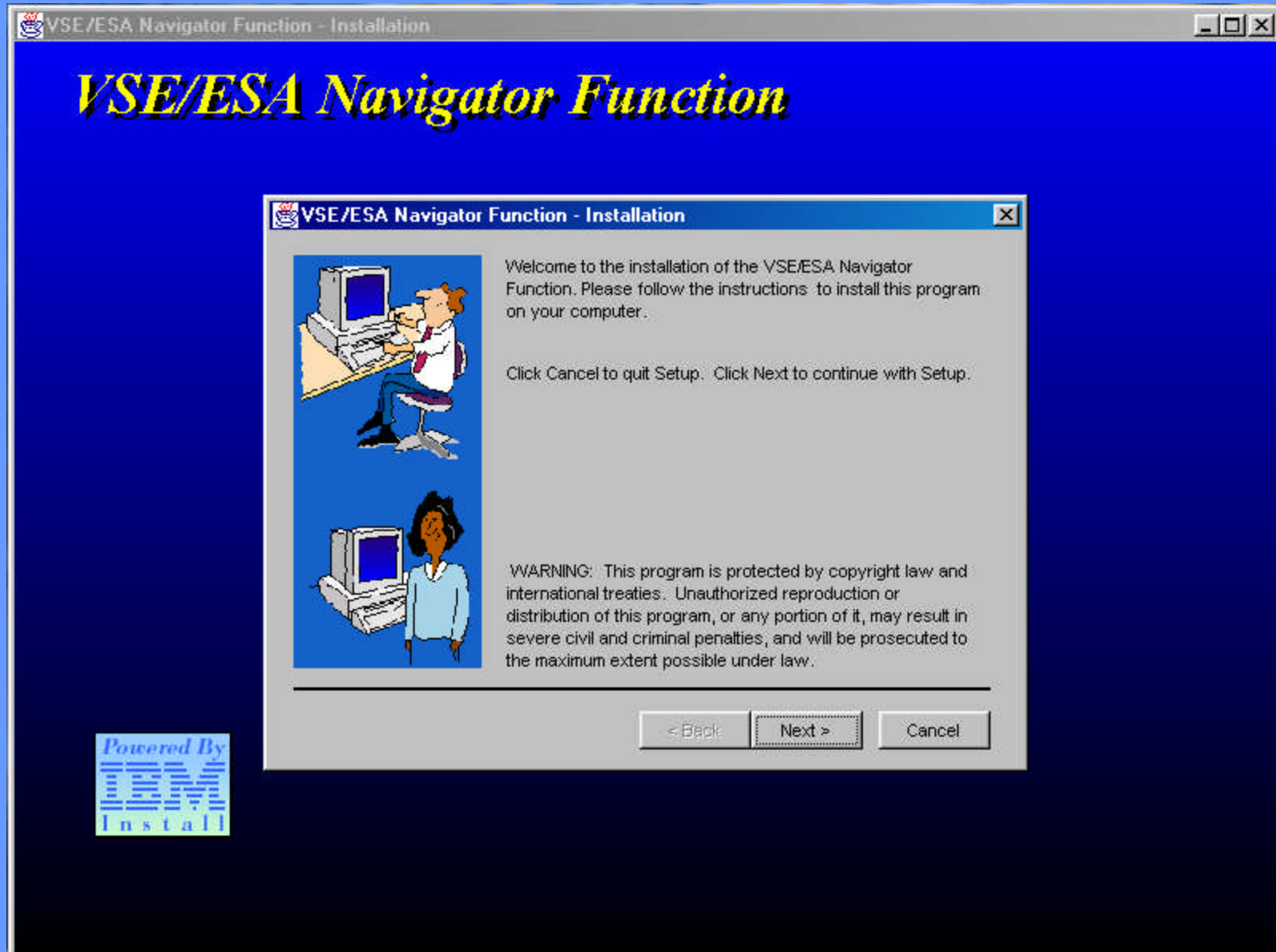


```
Command Prompt
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

C:\>java -version
java version "1.3.0"
Java(TM) 2 Runtime Environment, Standard Edition (build 1.3.0-C)
Java HotSpot(TM) Client VM (build 1.3.0-C, mixed mode)

C:\>
```

→ Installing VSE Navigator and other Packages



→ SKVCSLIB

* *****

* LIBRARIAN CONFIGURATION MEMBER FOR VSE CONNECTOR SERVER

* *****

*

* ADD THE NAME OF YOUR LIBRARIES TO THIS MEMBER IF YOU WANT TO
* HAVE ACCESS TO THEM WITH THE VSE CONNECTOR SERVER.

*

* NOTE: EACH LINE SPECIFIES ONLY ONE LIBRARY

*

* *****

PRD1

PRD2

PRIMARY

IJSYSRS

VENDOR

NOTE: I added the Vendor Library so I could access it



→ Catalog Configuration Member

```
* $$ JOB JNM=VCSCAT,DISP=D,CLASS=0
// JOB VCSCAT CATALOG VCS CONFIGURATION MEMBERS
// EXEC LIBR,PARM='MSHP'
ACCESS S=PRD2.CONFIG
CATALOG IESVCSRV.Z REPLACE=Y
* $$ SLI ICCF=(SKVCSCFG),LIB=(59)
/+
CATALOG IESLIBDF.Z REPLACE=Y
* $$ SLI ICCF=(SKVCSLIB),LIB=(10)
/+
CATALOG IESUSERS.Z REPLACE=Y
* $$ SLI ICCF=(SKVCSUSR),LIB=(59)
/+
CATALOG IESPLGIN.Z REPLACE=Y
* $$ SLI ICCF=(SKVCSPLG),LIB=(59)
/+
CATALOG IESSSLCF.Z REPLACE=Y
* $$ SLI ICCF=(SKVCSSSL),LIB=(59)
/+
/*
/&
* $$ EOJ
```

NOTE LIB change for changed member

→ SKVCSSTJ - Startup Job Catalog CATSTVCS

```
* $$ JOB JNM=CATSTVCS,DISP=D,CLASS=0
// JOB CATSTVCS    CATALOG STARTVCS AND LDVCS, LOAD STARTVCS
// EXEC LIBR,PARM='MSHP'
ACC S=IJSYRS.SYSLIB
CATALOG STARTVCS.Z    REPLACE=YES
$$$$ JOB JNM=STARTVCS,DISP=L,CLASS=R
$$$$ LST CLASS=A,DISP=D
// JOB STARTVCS START UP VSE CONNECTOR SERVER
// LIBDEF *,SEARCH=(PRD2.CONFIG,PRD1.BASE,PRD2.SCEEBASE)
// ID USER=VCSRVR
// OPTION SYSPARM='00'          NOTE: 00 = IPINITxx value for which TCPIP to access
// EXEC IESVCSRVR,PARM='DD:PRD2.CONFIG(IESVCSRVR.Z)'
$$/*
$$/&
$$$$ EOJ
/+
CATALOG LDVCS.PROC    REPLACE=YES DATA=YES
// EXEC DTRIINIT
    LOAD STARTVCS.Z
/*
/+
/*
// EXEC PROC=LDVCS    TO LOAD VCS STARTUP INTO RDR QUEUE
/&
* $$ EOJ
```

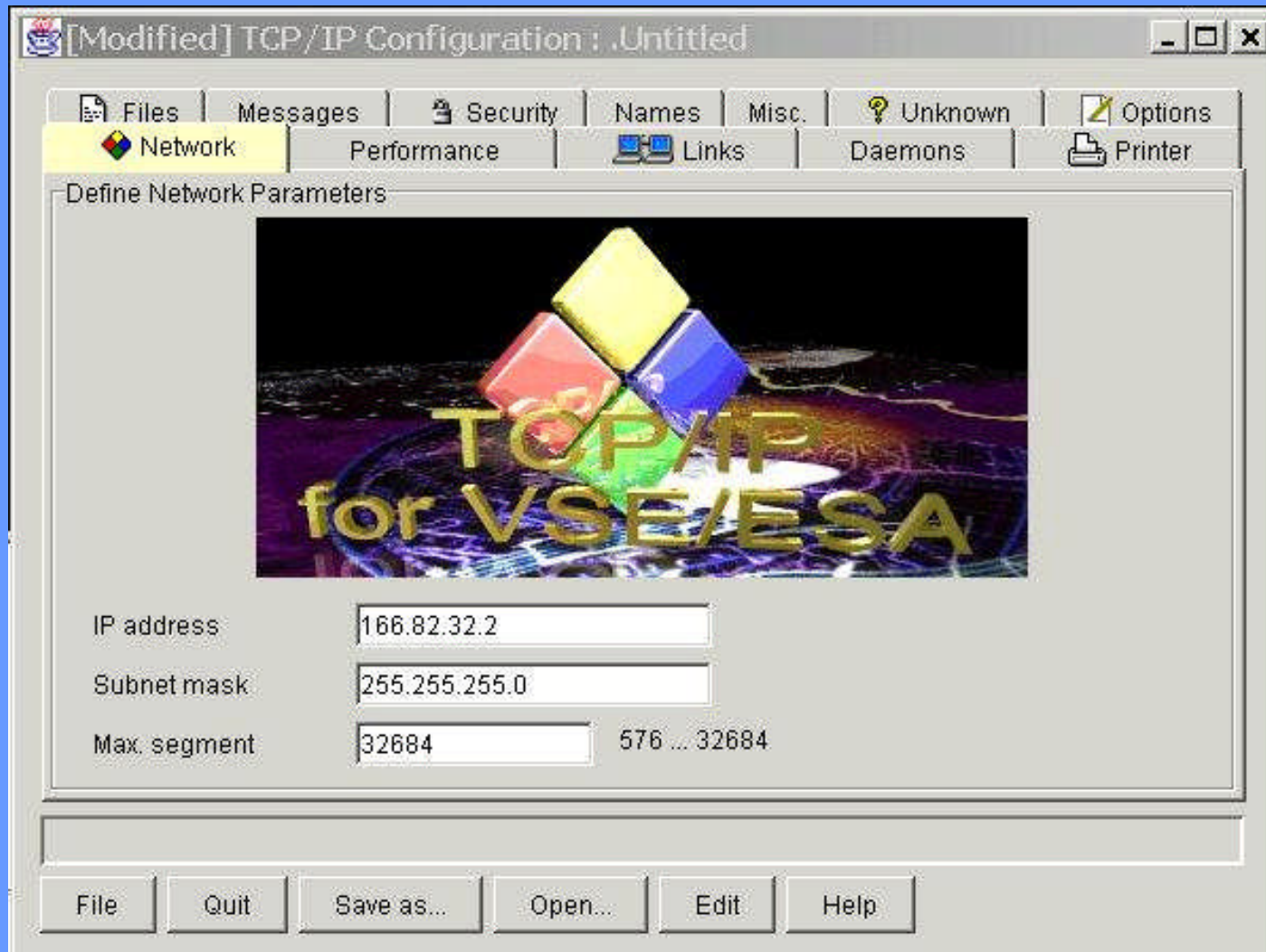
→ POWER Batch Job JCL

```
* $$ JOB JNM=STARTVCS,CLASS=R,DISP=K
* $$ LST CLASS=A,DISP=D
// JOB STARTVCS START UP VSE CONNECTOR SERVER
// LIBDEF *,SEARCH=(PRD2.CONFIG,PRD1.BASE,PRD2.SCEEBASE)
// ID USER=VCSRVR
// OPTION SYSPARM='00'
// EXEC IESVCSRVR,PARM='DD:PRD2.CONFIG(IESVCSRVR.Z)'
/*
/ &
```

That is all for VSE/ESA side, start TCP/IP and the STARTVCS(Class=R)

→ VSE/ESA TCP/IP Configurator.

On Windows Host: Start, Programs, VSE TCP Configuration



→ VSE/ESA Java Console Properties/File Pointers

```
@echo off
Rem ++++++
Rem ! Startup file for JConVSE VSE #1 !
Rem ++++++
echo
echo Starting VSE #1 .....
echo
c:\navigator\jconvse\bin\runjc1.bat
```

```
@echo off
Rem ++++++
Rem !      Startup file for JConVSE VSE #1      !
Rem ++++++
Rem + Prereq: JDK 1.2.2 or higher, VSE Connector Client +
Rem +-----+
Rem + d:\jdk1.2\bin\java com.ibm.vse.tools.console.JConVSE ..... !
Rem + !      !----> Starting JConVSE application      !
Rem + !      !----> JDK Sample path                    !
Rem + -----+
Rem + ..... -f f:\vse_tools\java\JconVSE\conf\vse1.properties --> vse1.properties file !
Rem + !      !----> Start parameter for the vse1.properties file !
Rem + -----+
set CLASSPATH=lib/.;lib/comm.jar;lib/vseconnector.jar;lib/vse_tools.jar
"C:\Program Files\JavaSoft\JRE\1.3\bin\java" com.ibm.vse.tools.console.JConVSE -f
C:\navigator\jconvse\conf\vse1.properties
```



VSEx.BAT
Executes runjc.bat

RUNJCx.BAT
Pointer to
VSEx.Properties

VSEx.Properties
Pointers to VSEx.
Files, TCP/IP
Addr, Logon Info,
Mail Id, Modem
Port, Etc.

VSEx Auto.Properties
Auto Scheduling
Properties

VSEx Misc.Properties
Last Commands,
other Dynamic Settings

VSEx Msg.Properties
Message Handling,
Auto Operations



→ Configure VSE/ESA Navigator.

Windows Host: Select Configuration then Host then New – REQUIRED – Minimum Config

The screenshot displays the VSE/ESA Navigator application window. The main window shows a tree view on the left with folders for 'c:\' and 'c:\vsecon\Download'. A table on the right lists three hosts: VSE166.82.12.1, VSE166.82.22.2, and VSE166.82.32.3, each with a description of their TCP/IP address, port (2893), and default user ID (sysa). A 'Configure Hosts' dialog box is open in the foreground, showing the configuration for the selected host 'VSE166.82.12.1'. The dialog includes fields for Description, TCP/IP Address, Port, and Default user ID, along with a 'Use SSL connection' checkbox and an 'SSL properties file' field. A 'Global timeout (in sec.)' field is set to 10. Buttons for 'New...', 'Delete...', 'Save', 'Close', and 'Help' are visible.

Name	Description
VSE166.82.12.1	TCP/IP Address 166.82.12.1, Port 2893, Default user ID sysa
VSE166.82.22.2	TCP/IP Address 166.82.22.2, Port 2893, Default user ID sysa
VSE166.82.32.3	TCP/IP Address 166.82.32.3, Port 2893, Default user ID sysa

Configure Hosts

Host: VSE166.82.12.1 [New...] [Delete...]

Settings

Description: VSE166.82.12.1

TCP/IP Address: 166.82.12.1

Port: 2893 [Default]

Default user ID: sysa

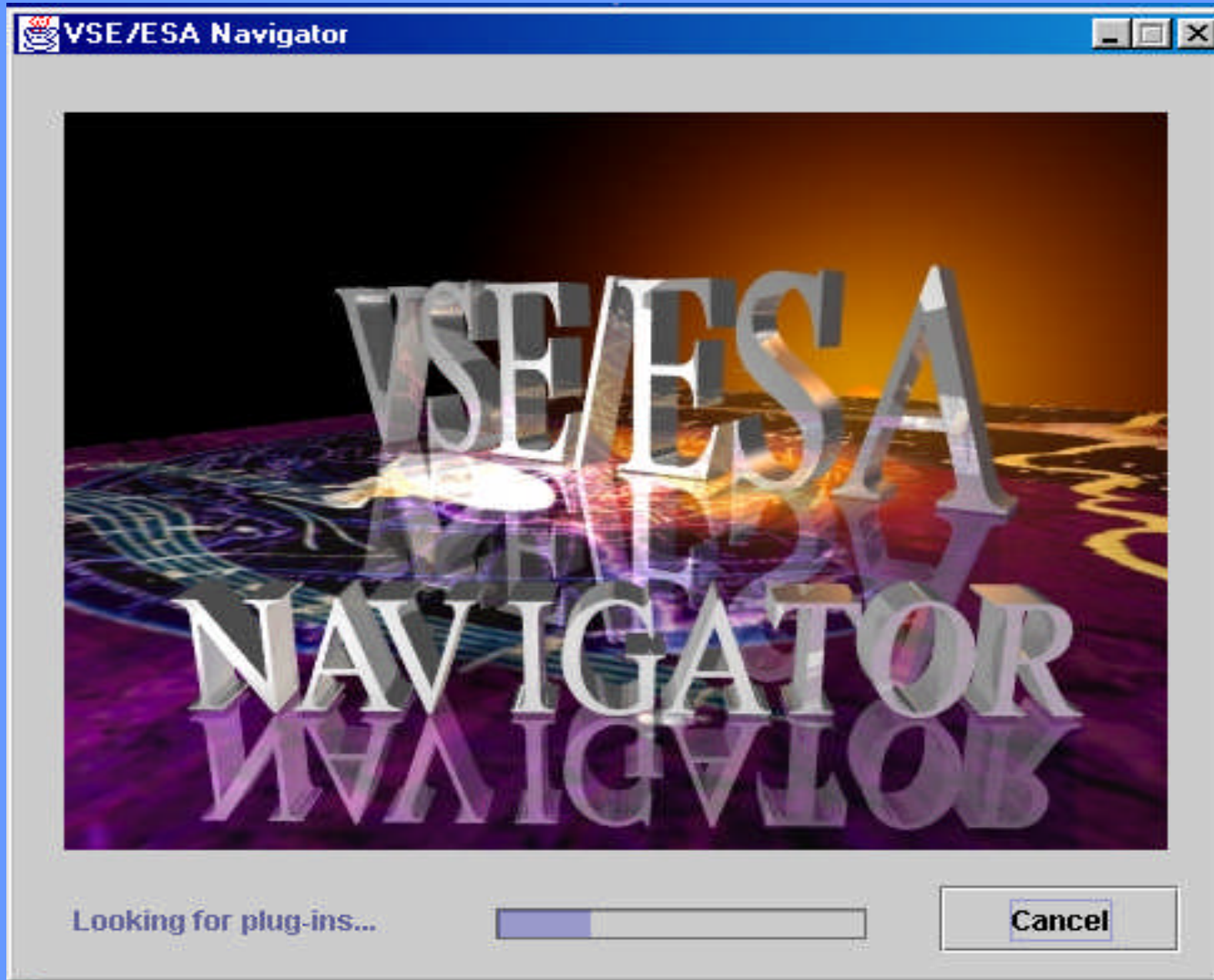
Use SSL connection

SSL properties file: []

Global timeout (in sec.): 10 [Default]

[Save] [Close] [Help]

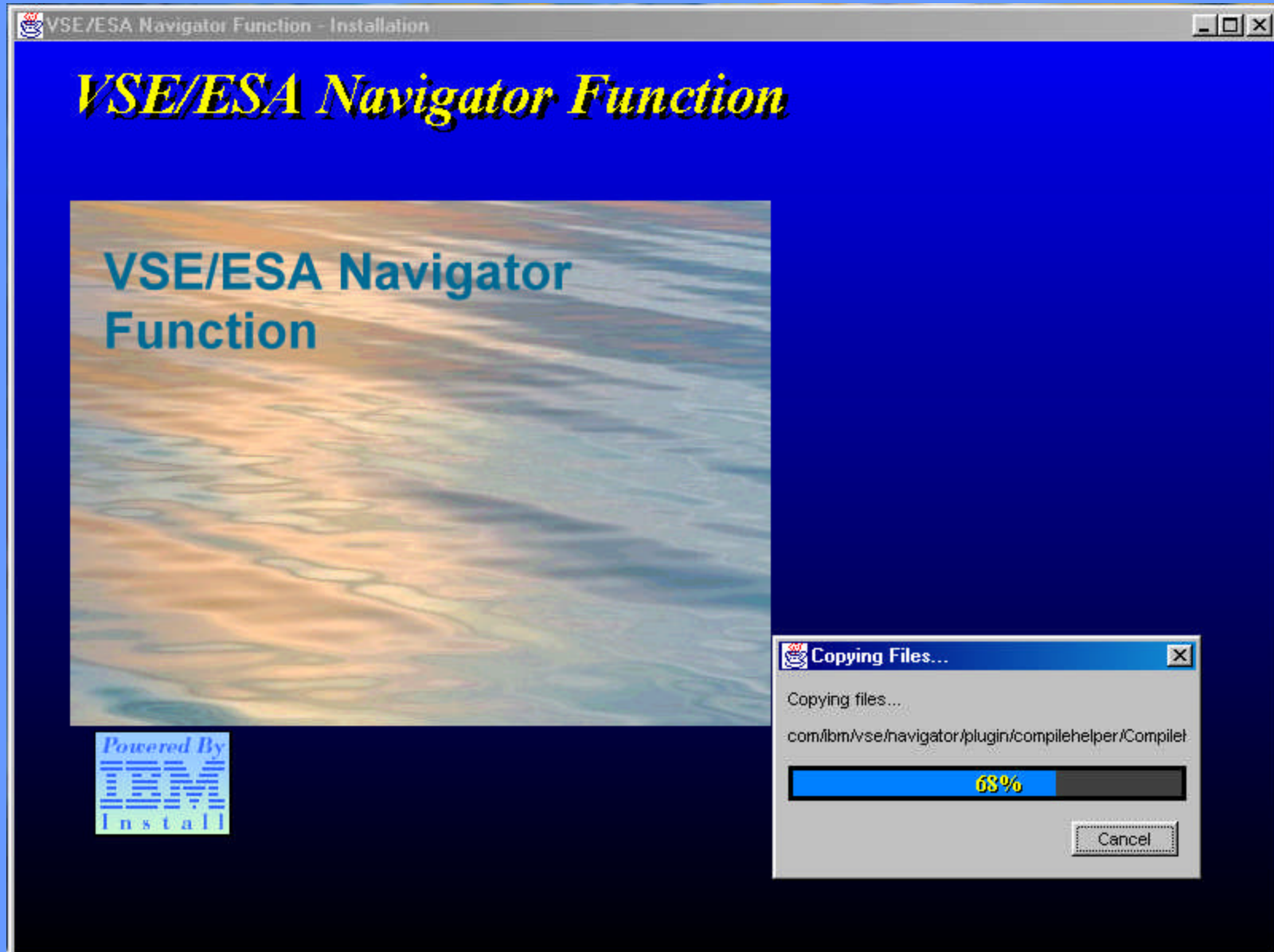
→ Navigator Splash Screen



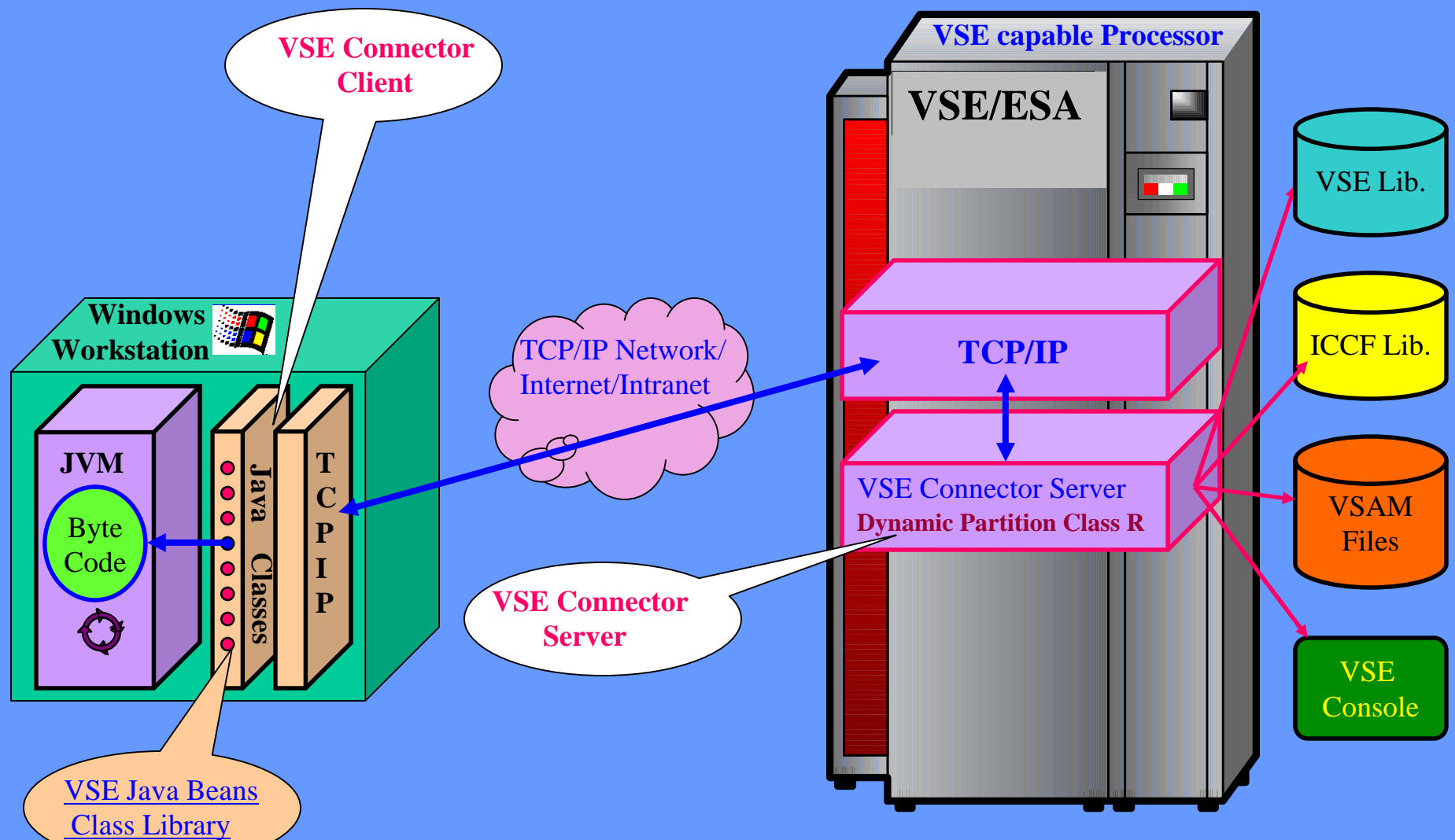
→ Navigator Splash Screen and Icon



→ Navigator Start up Screen

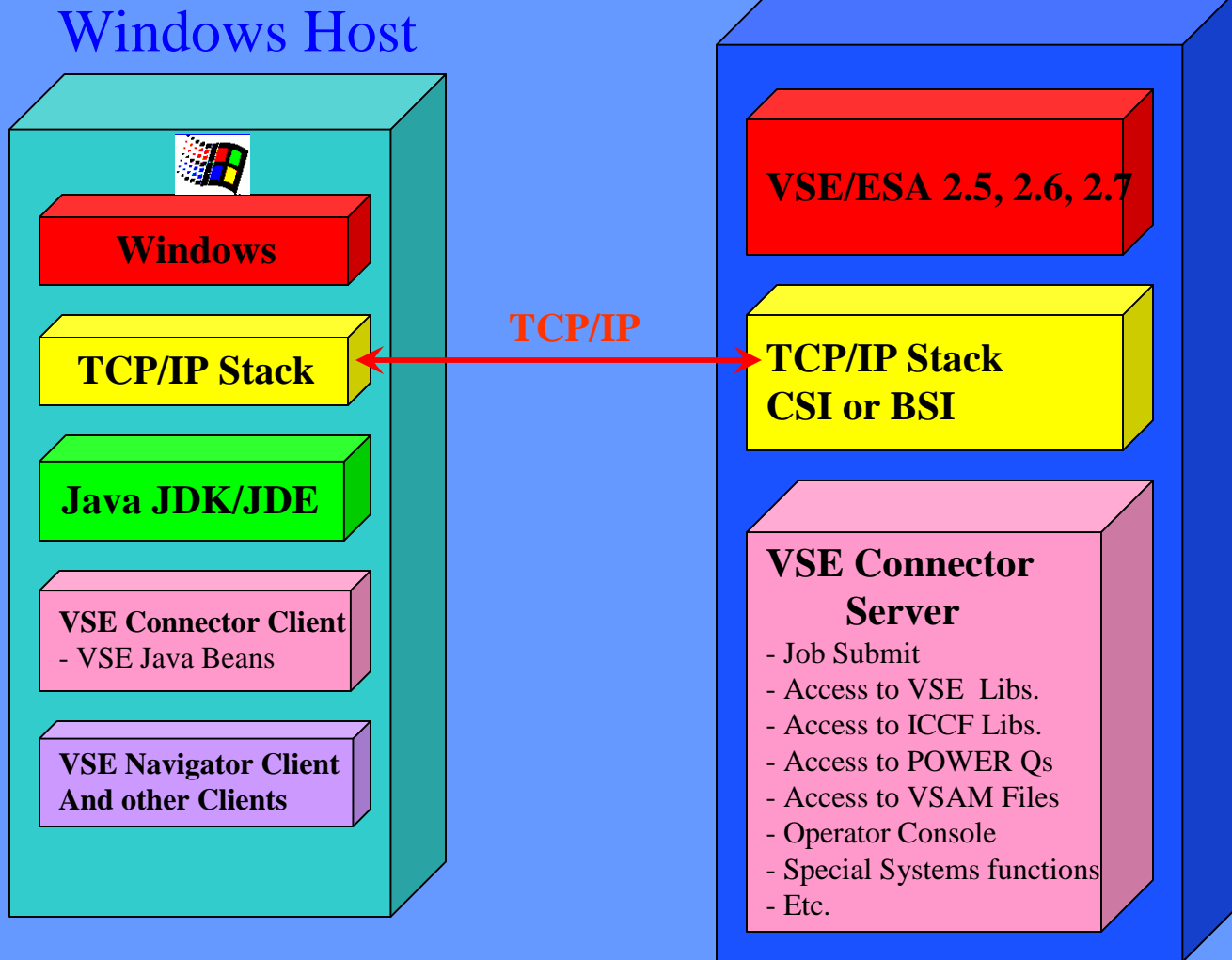


→ VSE Connector Client and Server in 2-tier environment.

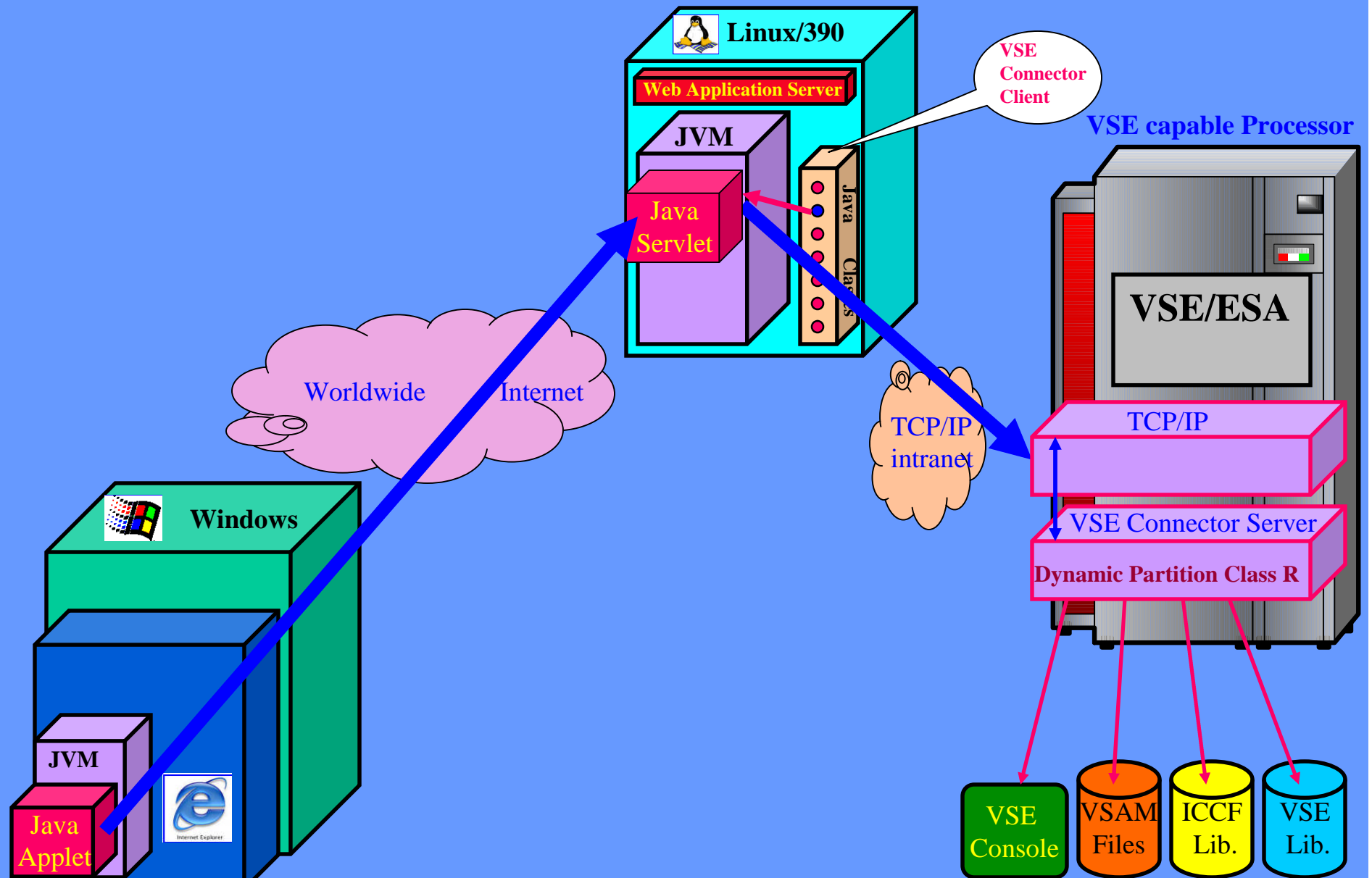


→ VSE/ESA Navigator/Windows
tier environment)

(2



→ VSE Connector Client and Server in 3-tier environment.



→ VSE/ESA e-business connectivity
(3 tier environment)

