

Editing Tools For Installation

This appendix describes the some edits you must make before installing Cisco IOS for S/390Cisco IOS for S/390 and how to use the tools necessary for these editions.

It covers the following subjects:

- **Setting Up the SMP Environment**
Describes how to allocate common load data sets.
- **Making Global Changes with the ISPF Editor**
Describes how to use the ISPF editor to edit the ALLOCSMP job.
- **Updating the TCPNAMES ISPF Edit Clist**
Describes how to edit the TCPNAMES member in the CNTL data set to globally change strings used by the ALLOCxxx job streams.

Setting Up the SMP Environment

The first time you install Cisco IOS for S/390, you must set up the SMP environment. To do this, you must edit some of the members to allocate common load data sets.

There are two ways to allocate the common data sets:

- Use the OpenEdition change command in the ISPF editor
- Invoke the TCPNAMES Clist

Globally edit the following symbols using values appropriate for your system configuration:

HOLDCL	DSTINDX	DSTUNIT
DSTVOL	LNKINDX	SMPINDX
SMPUNIT	SMPVOL	TLBUNIT
TLBVOL	TRGINDX	TRGUNIT
TRGVOL		

All Cisco IOS for S/390 software products require that a common environment be established for their installation. The process comprises these tasks:

- Allocating and initializing the SMP and common data sets for Cisco IOS for S/390
- Allocating product-dependent data sets for optional products

Making Global Changes with the ISPF Editor

This is the format of the global change command if you are using the ISPF editor to edit the ALLOCSMP job:

c *'old_string'* *'new_string'* **all**

To change the string SMPINDEX to TCPACSS, enter this command:

c **'SMPINDEX'** **'TCPACSS'** **all**

If you are changing the HOLDCL symbol to an asterisk in order to use the same SYSOUT class as specified on the JOB statement MSGCLASS parameter, make sure the asterisk is enclosed in single quotes in your global change command, as this command illustrates:

c **'HOLDCL'** **'*'** **all**



Caution Do not modify job ALLOCSMP to use a predefined Consolidated Software Inventory (CSI) in which other software products are installed. That is, Cisco IOS for S/390 software products must be installed in their own target and distribution zones.

Note Expect return code 0 from each step of ALLOCSMP.

Updating the TCPNAMES ISPF Edit Clist

TCPNAMES is an ISPF Edit Clist in the CNTL data set. TCPNAMES globally changes all the strings used by the ALLOCxxx job streams. TCPNAMES inserts a jobcard and updates the job with your local variables.

The TCPNAMES Clist requires ISPF Version 2 or higher. If the TCPNAMES Clist is used as distributed, all data sets must have the same high-level qualifier except for the LINK data set, which is prefixed by SYS1. plus the high-level qualifier used for the other data sets.

- 1** Edit the JOBCARD member in the CNTL data set, changing the **JOB** statement to match your site's requirements.
- 2** Copy member TCPNAMES to a fixed length record format Clist data set that is in your TSO SYSPROC DD concatenation.
- 3** As you edit the ALLOCxxx and other installation members, update the variables in the ALLOCxxx job with the parameters passed through this **TCPNAMES** command:

The syntax is:

TCPNAMES *high_level disk_vol disk_unit tape_vol tape_unit*

TCPNAMES Is the command to use to edit the TCPNAMES Clist.

high_level Indicates the data set high-level qualifier.

disk_vol Specifies the disk volume where the data sets are to be created.

disk_unit Indicates the disk unit type of the volume.

tape_vol Specifies the volume serial number of the installation tape.

tape_unit Indicates the address of the tape unit to which the installation tape will be assigned.

Usage Notes:

Always run the Clist TCPNAMES from the command line of the member for every job prior to submitting the job.

If the high-level qualifier you are using is TCPACSS, the disk volume serial number is MVS001, the disk unit type is 3390, the tape volume serial number is TCPACSS, and the tape unit is TAPE, then use this primary line command to update variables:

TCPNAMES TCPACSS.V_{xxx} MVS001 3390 TAPE

This changes all the strings that need to be changed in the job and replaces the **JOB** statement with the one in the JOBCARD member.

Note To run the ALLOC_{xxx} jobs, it is not necessary to substitute variables for the *tape_vol* or *tape_unit* parameters. They are used in INSTSMPE.



Caution Whenever you make changes to any SYS1.PARMLIB member, make sure you can perform an IPL on your system using an alternate IPL volume or an alternate SYS1.PARMLIB member. Typographical errors can cause catastrophic errors during system initialization, leaving your MVS system in an unusable state.

