

Introduction

The System Management guide provides information on maintaining Cisco IOS for S/390. The organization of the guide is as follows:

- Cisco IOS for S/390 Operations
Describes operator commands, system, general task group, dynamic configuration, APP, DNR, and IJT commands, JCL requirements, the STARTxx member of the PARM library, and command scripts.
- Using the System Management Facility (SMF)
Describes the SMF records, provides samples of the record headers and other records and an example of the SMF report writer program.
- Diagnostic Procedures
Describes the available diagnostic utilities to troubleshoot various Cisco IOS for S/390 failures and the documentation needed to report problems to customer support.
- TSO Diagnostic Commands
Describes how to troubleshoot Client and Server FTP3 and describes the diagnostic commands.
- Inter-User Communications Vehicle (IUCV) Sockets
Describes the Inter-User Communications Vehicle (IUCV) sockets, their compatibility with IBM's TCP/IP API, configuration information, and how to convert code from other programs.

Cisco IOS for S/390 Operations

Cisco IOS for S/390 can be run as a batch job or as a started task. The Cisco IOS for S/390 Operation chapter describes Cisco IOS for S/390 startup and shutdown.

The operator commands to start and shutdown Cisco IOS for S/390 are described, including orderly shutdown and fast shutdown, shutting down with **P** versus **P CLEAR**, recycling of task groups, and converting translate tables.

A JCL is provided on the distribution tape and this chapter provides a table of statements and description of the associated Cisco IOS for S/390 JCL. A sample startup JCL and customization information is also given.

The T01LOG logspin utility lets you specify that the T01LOG SYSOUT file be closed and re-opened on a regular basis determined by either the number of lines, a period of time, or by a combination of the two.

The STARTxx configuration member is described and customization tips are provided.

System Commands

System commands format and some of the most commonly used commands are described.

The following task groups and their commands are described and syntax examples are given:

- General Task Group Commands
- Dynamic Configuration Commands
- APP Task Group Commands
- DNR Task Group Commands
- GateD Task Group Commands
- IJT Task Group Commands
- TSO OpenEdition (UNIX System Services) Commands

Command Scripts

Command scripts are a prearranged executable sequence of IFS task group commands and command script statements. A sample command script is provided and syntax is described.

Using the System Management Facility (SMF)

This chapter provides sample of the following SMF record formats:

- Standard MVS SMF record headers
- Standard Cisco IOS for S/390 SMF record headers
- Server application event records
- Access method and protocol layer event records
- Interval records
- SMF report writer program

Diagnostic Procedures

This chapter provides information to help with problem determination and problem reporting.

Problem determination information describes how to troubleshoot IUCV sockets and Gated.

Problem reporting tells you about ABENDs, incorrect output for Telnet, FTP, DNR, EPS, etc., hardware and startup and parameter errors, and TCP API trace procedures.

TSO Diagnostic Commands

This chapter provides tips for troubleshooting Client and Server FTP3 and describes the diagnostic commands.

Inter-User Communications Vehicle (IUCV) Sockets

Cisco IOS for S/390 runtime support for the IUCV sockets lets applications written for the IBM TCP/IP IUCV API run over the Cisco IOS for S/390 product.

This chapter describes IUCV socket compatibility, including initializing sockets, and confirmation information for the TCPIP.DATA data set, the IJTCFGxx member, and the TCPCFGxx member. There is also information to help you convert from IBM TCP/IP and from API/Link.

Starting and stopping the IUCV address space is described and information about some limitations and restrictions is provided.

