**Design of tftpd**

**Revision History**

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# Introduction

## Purpose

(Referring to the following text, you can modify it according to your own needs.)

The section "Description and Specifications of Functionalities" in Chapter 2 describes the background and operational behaviors of the module tftpd, which is the input for design and implementation, and also the basis for testing and technical support.

Chapter 3-6 specifies the design of tfpd.

## References

1. RFC1350, ......

## Terminology

TFTP: ......

# Description and Specifications of Functionalities

## Background

## Configuration and Management Commands

### Enable TFTP Server

Command: [no] tftp server enable

Configuration mode: Global configuration mode

Description:

Parameters:

Default:

### Show the Configurations and Status

Command: show tftp server

Configuration mode: Privileged mode and global configuration mode

Description:

Parameters:

Default:

## Functional Requirements

### Requirement (behavior) 1

### Requirement (behavior) 2

### Requirement (behavior) 3

## Performance Requirements

# Architecture

(Describe the hierarchy and position of this module in the software system, its relationship with other modules in the system, and what further components this module is divided into, as well as their relationships. It is recommended to use diagrams to describe the architecture, with brief textual explanations. If the module is divided into several components, the following sections describe them separately.)

## Component 1

## Component 2

# Data

## Macro Definitions

### Message Types

#define ......

### Packet Types

#define ......

## Data Structures

### TFTP Session (example)

typedef struct

{

...;

} tftp\_session\_t;

Description:

## Main Global Variables

### TFTP Session Variable (example)

tftp\_session\_t tftp\_sessions[MAX\_TFTP\_SESSIONS];

Description:

# Procedures

(Use flowchart or pseudocode to illustrate some important procedures in this module, but it is not necessary to provide all the detailed procedures.)

## Main Process of the Main Task (example)

(flowchart or pseudocode here)

## Create a New Session (example)

# Interfaces

(List and describe the new interfaces between this module and other modules, as well as the main interfaces between the internal components of this module.)

## abc

Function: int abc(int a, int b, int c);

Description:

Arguments:

a:

b:

c:

Return value: