



# **Introduction to the StorHouse User Document Set**

StorHouse Release 5.4

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Documentation for FileTek's StorHouse product. Protected by the following U.S. Patents: 4,864,572; 5,247,660; 5,727,197; 6,049,804. Other patents pending.

# Welcome

StorHouse® is FileTek's enterprise-wide software solution for managing the capture, storage, movement, and access of gigabytes to petabytes of relational and non-relational detail data. StorHouse technology combines industry-leading, scalable storage devices and Open Systems processors with FileTek's specialized hierarchical storage management system (HSM) and relational database management system (RDBMS) software components. Together, these features make StorHouse the ideal hub server, or central storage repository, for enterprise-wide transaction-level data.

StorHouse/SM, FileTek's HSM component, controls a hierarchy of storage devices comprised of cache, redundant arrays of independent disks (RAID), erasable and write-once-read-many (WORM) optical disk jukeboxes, and automated tape libraries. StorHouse/SM is also responsible for automating critical system management tasks, like data migration, backup, and recovery. StorHouse/SM comes standard with all StorHouse systems.

FileTek also offers an optional RDBMS software component, StorHouse/RM, which works in conjunction with StorHouse/SM to specifically administer the storage, access, and movement of relational data. For more information on the StorHouse/RM product, refer to the StorHouse/RM User Document Set.

The StorHouse/SM User Document Set contains the documentation for the StorHouse/SM software component.



## Welcome

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Purpose of the Introduction

## Purpose of the Introduction

The *Introduction to the StorHouse User Document Set* describes the general features of the StorHouse User Document Set and provides an overview of each document in the set.

## Intended Audience

This introduction is intended for all StorHouse end-users, including application programmers, system administrators, system programmers, engineers, and operators.

## Contents of the Introduction

This introduction consists of two chapters:

- Chapter 1, “Using the StorHouse User Document Set,” describes the general features and contents of the StorHouse User Document Set.
- Chapter 2, “Using the StorHouse Documents,” describes the purpose, intended audience, and contents of each document in the document set.

# Using the StorHouse User Document Set

The StorHouse User Document Set contains the host-specific, end-user documentation for the StorHouse system. Specifically, the document set:

- Organizes information in individual documents targeted at specific types of end-users, such as programmers, system administrators, and operators
- Separates task material from reference material
- Easily accommodates updates and changes.

## General Features of the StorHouse User Document Set

The StorHouse User Document Set consists of several volumes, each containing one or more StorHouse documents. Documents are grouped by audience or by document type. For example, one volume contains the system operation documents and the others contain primarily reference documents.

### Documentation Updates

Depending on their nature and length, modifications or updates to the documentation may consist of update pages or entire replacement documents.

## Contents of the Document Set

Each complete document set contains the following publications:

- *Release Notes*
- *Introduction to the StorHouse User Document Set*
- *Host Software Installation and Operation Guide*
- *StorHouse Glossary*
- *StorHouse Concepts and Facilities Manual*
- *Callable Interface Programmer's Guide*
- *Command Language Reference Manual*
- *System Operator's Guide*
- *System Administrator's Guide*
- *Messages and Codes Manual*
- *User Log Format.*

Your document set may also include the following manuals (if applicable to your host system):

- *OpticalVSAM Reference Guide*
- *File Information Display Utility User's Guide.*

# Using the StorHouse Documents

The StorHouse User Document Set contains the basic StorHouse documentation. A “Reader Comments Form” is included in the front of each StorHouse document.

## Reader Comments Forms

Each document contains a “Reader Comments Form,” which allows you to provide feedback about the document. The form includes a scale to rate various components of the document, such as technical accuracy, format, graphics, and organization. Additional comments, your name, and your company name are optional.

After you have used a book for a while, please take a few minutes to fill out the “Reader Comments Form” at the front of the book and return it to FileTek. Your suggestions for improving the manuals are always appreciated. Many existing modifications and enhancements to the documentation resulted from your comments and suggestions. If you wish, you may also call the FileTek Publications department directly with your comments.

## StorHouse User Documents

The documents in the StorHouse User Document Set are targeted either to specific audiences, such as application programmers or system operators, or to all StorHouse end-users. Each document has a specific purpose. The abstracts in the following sections describe each document’s target audience, purpose, and contents.

## **Release Notes**

Publication Number 900029

The Release Notes summarizes the changes made to the StorHouse software for a given release. The document is intended for use by all StorHouse users.

## **Host Software Installation and Operations Guide**

Publication number 900011 for IBM MVS hosts, 900051 for UNIX hosts, and 900052 for DOS hosts

This host-specific document explains how to install the StorHouse host software. It is intended for use by system administrators and system programmers.

The *Host Software Installation Guide* describes the following topics:

- Host software interfaces with StorHouse
- Installation requirements and procedures
- Configuring host system parameters
- Testing the host software
- Using the Interactive Interface
- Information about direct-connect installation (for IBM hosts).

All versions of the *Host Software Installation Guide* describe additional installation topics that are host-specific.

## **StorHouse Glossary**

Publication Number 900027

The *StorHouse Glossary* defines StorHouse terms in alphabetical order and is intended for all StorHouse end-users. It is a stand-alone document that can also be used as a companion to other manuals. Novice StorHouse end-users may want to read the *StorHouse Glossary* before reading other documents, while more experienced end-users will most likely use the document as a reference tool.



## ***StorHouse Concepts and Facilities Manual***

Publication number 900026

This document defines StorHouse concepts, structures, and functions. While other documents may include a limited amount of specific conceptual material, this manual contains a complete description of how the StorHouse system works. It is intended for all StorHouse end-users, particularly those who are unfamiliar with the system and who require detailed information.

The *StorHouse Concepts and Facilities Manual* describes the following topics:

- StorHouse concepts and general functions
- Physical storage, including general descriptions of StorHouse hardware and configurations
- Data identification and access control
- Allocation of storage to volume sets, file sets, and files, and system control of access to them
- Allocation of storage to different media types, including 12-inch WORM optical, 5.25-inch erasable and WORM optical, magnetic tape, magnetic disk, and RAID
- StorHouse end-user account system, including passwords, access types, and privileges
- ASCII characters and equivalent hexadecimal values
- Access and command privileges required to execute StorHouse commands.

## ***Generic Callable Interface Programmer's Guide***

Publication number 900046 for all hosts other than IBM MVS. *Callable Interface Programmer's Guide*, publication number 900013 for IBM MVS hosts.

This host-specific document combines reference and task material, and is intended for programmers who write applications invoking the StorHouse Callable Interface.

The *Callable Interface Programmer's Guide* and the *Generic Callable Interface Programmer's Guide* describe the following topics:

- General concepts and functions of the Callable Interface
- StorHouse parameters and data
- File positioning
- Control structures
- Callable Interface functions, including function types, formats, and usage

- Sample program(s)
- Additional information, such as checkpoint usage and programming guidelines.

## ***Command Language Reference Manual***

Publication number 900005

This document is a general reference manual for StorHouse Command Language, the standard command interface between StorHouse and host computers. It also describes how to use the StorHouse operating system as an StorHouse host. Its audience is all StorHouse end-users.

The *Command Language Reference Manual* describes the following:

- System sign-on and sign-off
- Command format, syntax, and execution
- All StorHouse commands, including summary tables and descriptions of parameters, modifiers, privilege and access requirements, and command examples
- System parameters, including those needed to run Performance Monitor
- Command Language data fields, parameters, and modifiers, including definitions, valid values, and examples
- ASCII characters and their hexadecimal values
- Access and command privileges required to execute StorHouse commands.

## ***System Operator's Guide***

Publication number 900008

This document provides step-by-step operating instructions for the StorHouse hardware and software. It contains task-oriented descriptions of typical operator functions. Its audience is primarily the system operator, although the system administrator also should be familiar with the procedures described in the manual.

The *System Operator's Guide* discusses the following topics:

- System operator responsibilities
- StorHouse hardware components
- Storage allocation and control
- Command Language commands required for operator communication with StorHouse
- StorHouse operating procedures, including system power-up and power-down, system start-up and shutdown, and system recovery
- Controlling and monitoring StorHouse using Command Language
- StorHouse devices, media types, and media maintenance
- Operator messages and procedures for replying to them.

## ***System Administrator's Guide***

Publication number 900007

This document describes guidelines used in StorHouse system administration. It is a task-oriented document that uses typical scenarios to illustrate how to perform common administrative functions. Its audience is system administrators and, at some sites, system operators.

The *System Administrator's Guide* describes the following topics:

- Administrative roles and responsibilities, and the StorHouse operating system environment
- Controlling end-user access to system resources
- The storage hierarchy and strategies for managing it
- Allocating storage for user files, including procedures for creating and setting attributes for volume sets and file sets
- Managing user files, volume sets, file sets, and volumes
- Customizing volume labels
- Migrating volumes and files
- Backing up system and user files

- Duplexing files
- Allocating storage for system, directory, and VRAM™ scratch files
- Controlling site and system identification, and error detection
- Recovering files and volumes
- Controlling various activities and system housekeeping procedures
- System parameters.

## ***Messages and Codes Manual***

Publication number 900032

This document lists, in ascending numeric order, messages and return codes generated by the StorHouse system and host software. The manual is not host-specific. It is intended for all StorHouse end-users.

The *Messages and Codes Manual* discusses the following topics:

- Messages and return codes generated by StorHouse and by the StorHouse host software
- Symbolic names for messages and their corresponding numeric return codes
- Problem Determination Tables (PDTs), which explain how to resolve error conditions that cannot be resolved using the programmer response included in each message explanation.

## ***User Log Record Format***

Publication number 900028

This document describes the format of the StorHouse User Log. It is intended for programmers who write applications to generate reports from statistical information contained in the User Log.

The document discusses the following topics:

- Log record types and formats
- Data dictionary format
- Logged information
- User log message protocol.