Hue File Browser (Preview)

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Introduction to new Hue File Browser

The Hue File Browser is a web-based interface designed to provide seamless interaction with multiple file systems, including Amazon S3 and Azure Blob Storage (ABFS). With enhanced usability and functionality, the File Browser improves data management, offering a streamlined experience.

Important:

This document provides information on a technical preview feature. The functionality described is subject to change and may not be fully supported in production environments. You should evaluate and use this feature responsibly.

Key Advantages:

- **Seamless Data Management**: Unified access to multiple file systems from a single interface.
- **Enhanced Usability**: Intuitive navigation, search, and organization features.
- **Optimized for Productivity**: Bulk actions and advanced file operations.
- **Improved Security & Compliance**: Fine-grained access control managed through the Ranger policies.

Supported File Systems

The Hue File Browser supports the following file storage platforms:

- **S3A** (Amazon S3)
- **ABFS** (Azure Blob Storage)

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Enabling the New Hue File Browser

The legacy version of the File Browser is enabled by default. To utilize the enhanced features and improved interface of the new File Browser, you need to enable it manually through configuration settings.

Steps

1. Log in to the Cloudera Data Warehouse service as a DWAdmin or DWUser.
2. Go to the Virtual Warehouse from which you want to access it and click Edit.
3. Go to CONFIGURATIONS > Hue and select hue-safety-valve from the Configurat**ion files** drop-down menu.
4. Add the following configuration as follows:

```
[desktop]
enable_new_storage_browser=true
```

5. Click **Apply Changes**.
The new Hue File Browser is enabled.

Managing Files and Operations in Hue File Browser

The Hue File Browser provides an intuitive interface for managing files across various storage platforms. You can create, upload, move, copy, delete, and preview files efficiently. With enhanced navigation, streamlined file actions, and an improved experience, Hue simplifies data handling while maintaining security and accessibility.

Enhanced Navigation & Controls

The Hue File Browser introduces significant improvements in navigation and controls:

- **Unified File Access**: You can view and manage all enabled file types on a single page, categorized into intuitive tabs.
- **Breadcrumb Navigation**: Improved visibility and usability with longer text, editable paths, and a "Copy Path" button for quick reference.

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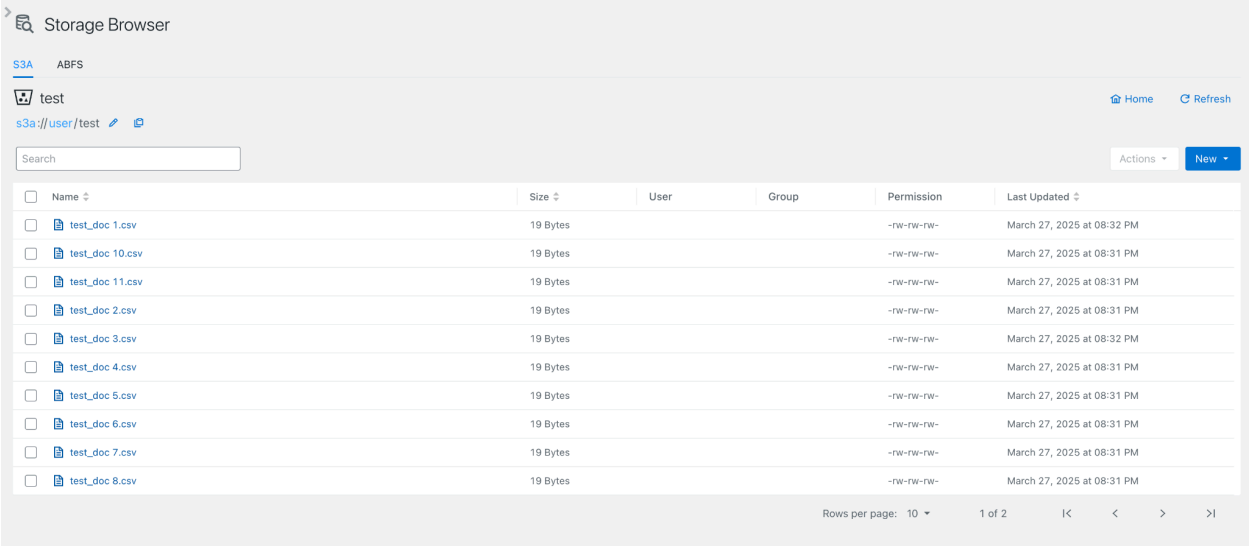
- **Actionable UI Elements**:
    - **Search Bar**: Enables quick keyword-based file searches.
    - **Home Button**: Instantly navigates you to your designated home directory.
    - **Refresh Button**: Reloads the current view to reflect the latest changes.
- **Pagination & Display Options**: Clean interface with the ability to display up to 1000 items per page for improved readability.



Improved Actions & File Operations

You can now perform multiple file operations through an intuitive **New Menu** and **Action Menu**:

Clicking the **New** button provides a contextual menu with the following options:

- **New File**: Create a new file within the selected directory.
- **New Folder**: Create a new directory.
- **Upload File**: Directly upload files to the selected location. Drag files from a local system into the File Browser for quick uploads.

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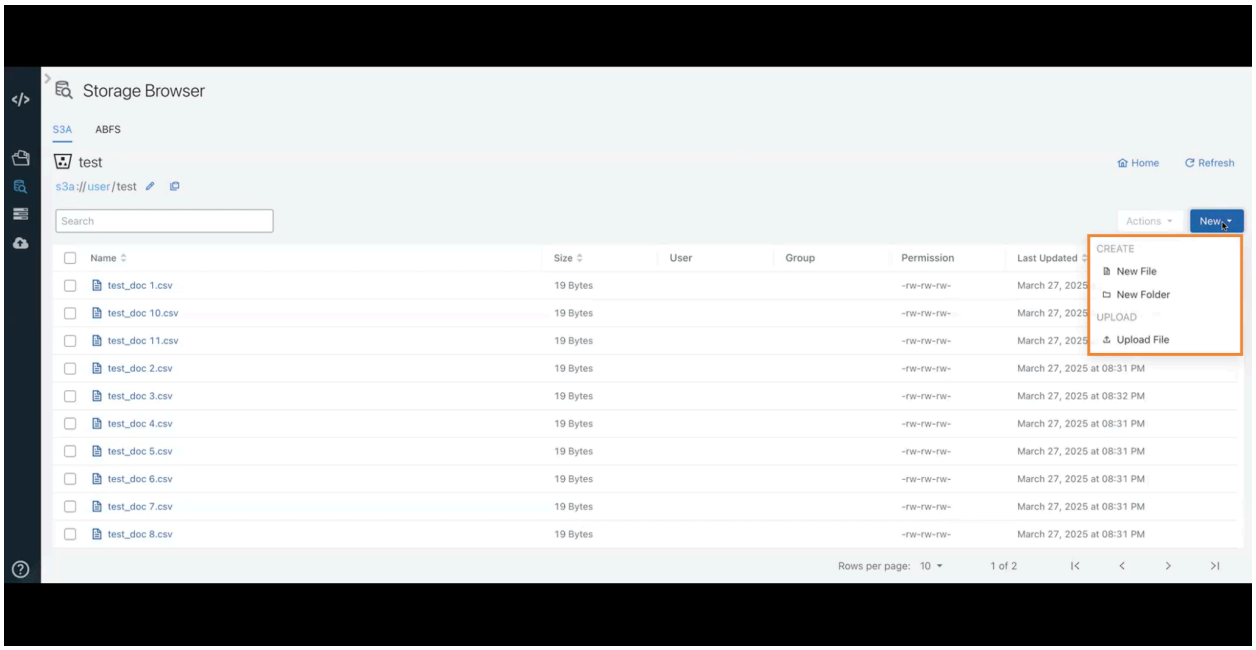

File Management via Action Menu

Click on any file to open the Action menu, which includes the following options:

- **Rename:** You can rename files and directories directly from the File Browser, allowing for better organization and easier identification of data.
- **Move and Copy**: The directory tree view allows you to move or duplicate files while browsing subdirectories or creating new folders within the selection process.
- **Download:** You can quickly download files from storage using the Download button.
- **Delete**: Allows you to permanently remove the files.

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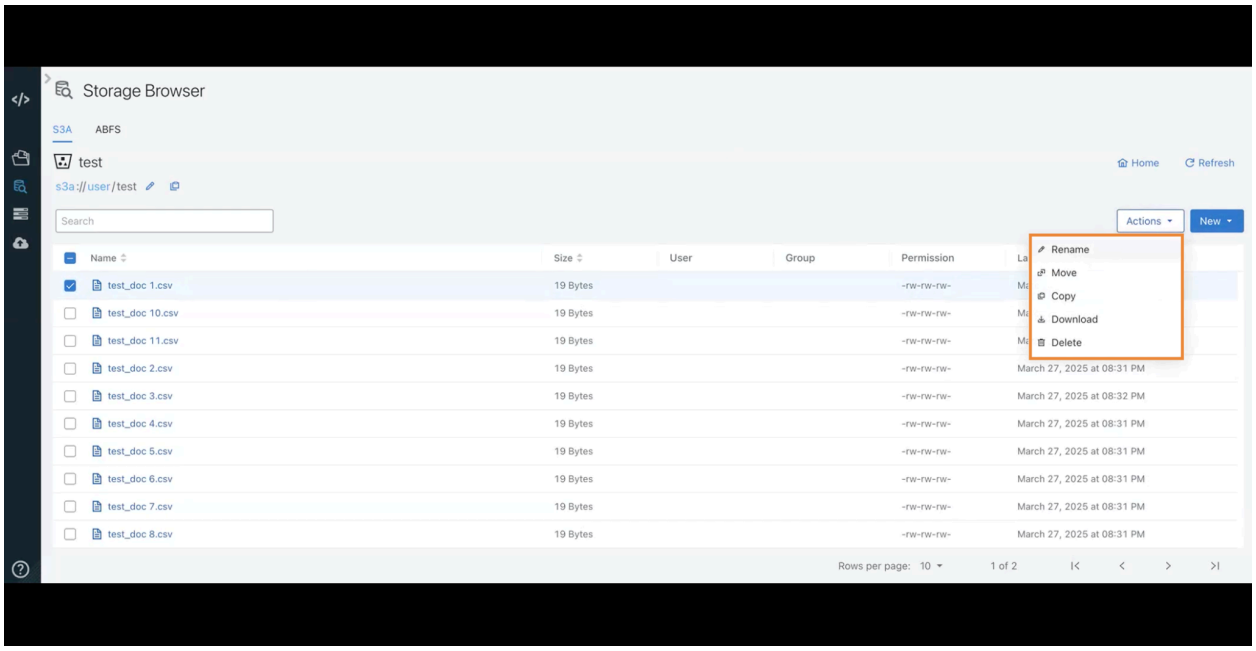
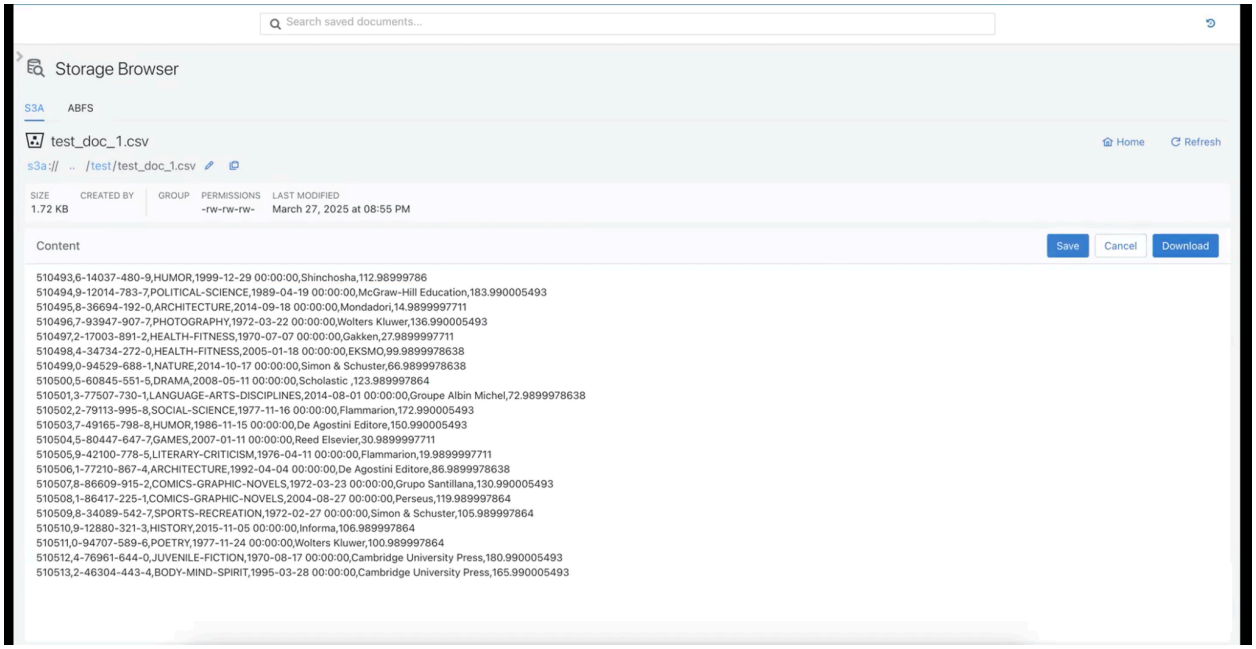


File Preview & Editing

The Hue File Browser includes an integrated file preview and editing system:

- You can view metadata and content within the browser, with paginated previews for easier navigation.
- If permissions allow, you can **Edit and Save** files directly from the preview page.
- The **Download** button enables quick retrieval of stored files.



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