You can use the find command in a shell script to search for files that have write (w) or execute (x) permissions for the group in a Unix/Linux system. Here's a script that does this:

bash

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#!/bin/bash

# Define the directory to search (root directory by default)

SEARCH\_DIR="/"

# Use find to locate files with write or execute permissions for group

# -perm -020 means files with group write permission

# -perm -010 means files with group execute permission

# Combine both with -o (or) to find files that meet either condition

echo "Searching for files with group write or execute permissions in $SEARCH\_DIR..."

find "$SEARCH\_DIR" -type f \( -perm -020 -o -perm -010 \) -ls

#to delete the files you can just do -exec rm -f {} \;

find "$SEARCH\_DIR" -type f \( -perm -020 -o -perm -010 \) -exec rm -f {} \;

# You can also use -print instead of -ls to only print the file names:

# find "$SEARCH\_DIR" -type f \( -perm -020 -o -perm -010 \) -print

echo "Search completed."

**Explanation:**

* SEARCH\_DIR="/": Specifies the directory to start searching from. By default, it’s set to the root directory (/). You can modify this to search a specific directory.
* find "$SEARCH\_DIR" -type f: Finds all files (-type f) within the specified directory.
* \( -perm -020 -o -perm -010 \): The -perm flag is used to match files based on permissions.
  + -perm -020: Finds files with write permissions for the group.
  + -perm -010: Finds files with execute permissions for the group.
  + The -o operator is used to combine the two conditions, meaning it will match files that have either of these permissions.
* -ls: Lists the details of the files found (similar to ls -l output).
* -print: An alternative to -ls if you only want to print the file paths without details.

**Usage:**

1. Save the script to a file, for example, find\_group\_permissions.sh.
2. Make the script executable:

bash

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chmod +x find\_group\_permissions.sh

1. Run the script:

bash

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sudo ./find\_group\_permissions.sh

Using sudo ensures you have the necessary permissions to search through all directories, especially system directories.

This script will search through the specified directory and find all files that have group write or execute permissions, listing them along with their details.