

HTML script layout.

The screenshot shows a web application titled "Plink Connect for 'df -h' Disk Checks". It features a list of servers, input fields for username and password, a checkbox for SSH connection, and buttons for connecting, viewing results, and resetting the page.

Annotations:

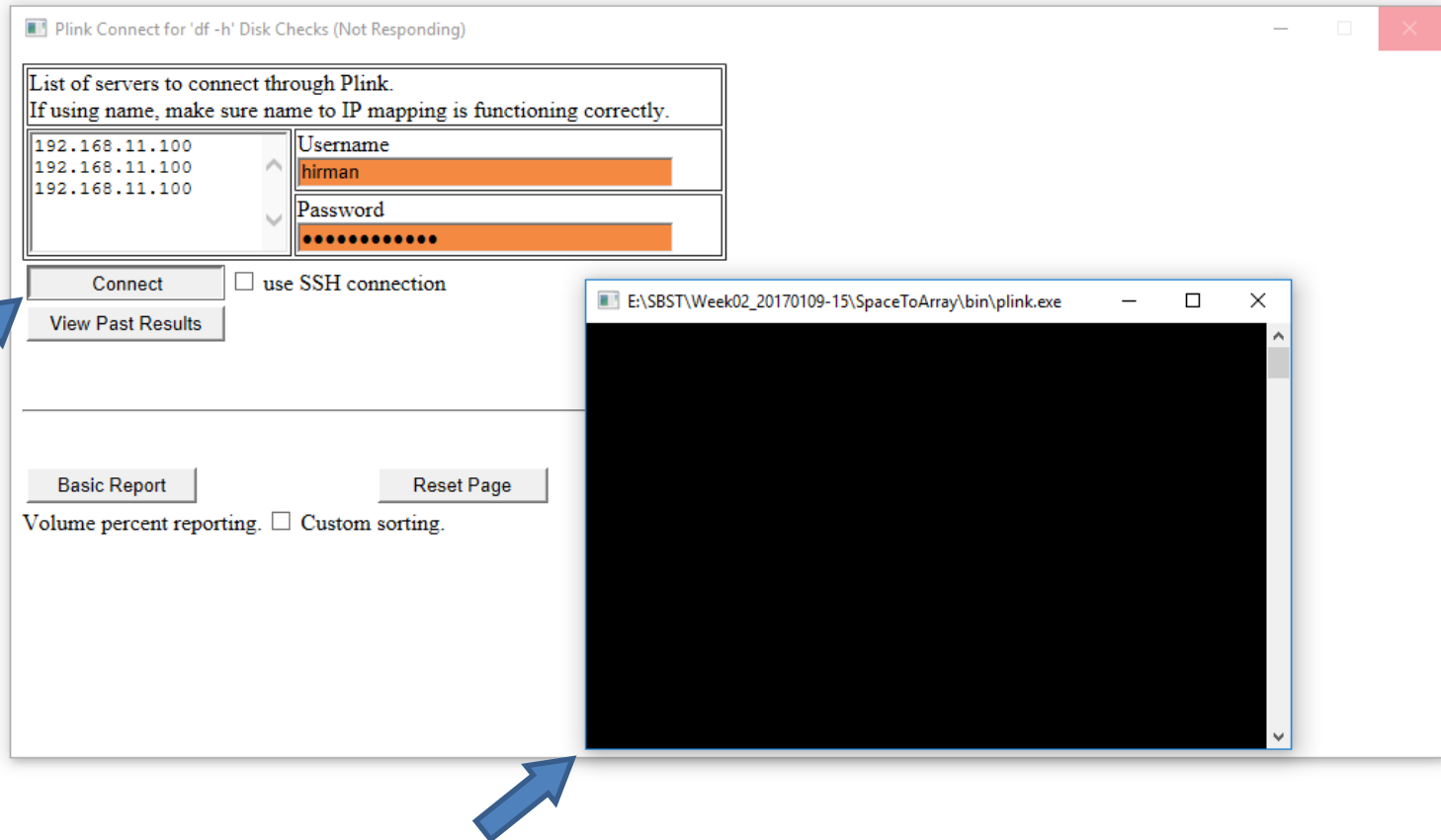
- Add all servers to check into this box.** (Points to the list of servers)
- Add username and password.** (Points to the Username and Password input fields)
- Click connect to start server connection.** (Points to the Connect button)
- Click here for SSH connection.** (Points to the use SSH connection checkbox)
- Click reset to clear the page.** (Points to the Reset Page button)

Interface Elements:

- Title:** Plink Connect for 'df -h' Disk Checks
- Section Header:** List of servers to connect through Plink. If using name, make sure name to IP mapping is functioning correctly.
- Server List:**
 - 192.168.11.100
 - 192.168.11.100
 - 192.168.11.100
- Username:** hirman
- Password:** (Masked with dots)
- Buttons:** Connect, View Past Results, Basic Report, Reset Page
- Checkbox:** ☐ use SSH connection
- Text:** Volume percent reporting. ☐ Custom sorting.

Command pop up during connecting session.

Connect button
is depressed
during
connection
session.



Plink command prompt pop-up session for each server connection.

When connection session is done.

Name		
bin		
input		
output		

Name	Size
20170114_082028	1 KB
20170115_094523	1 KB
20170115_102554	2 KB
20170116_191037	2 KB

Contents of 'output' folder.

Compiled lists of server 'Mounted On' names based on all the past server sessions found at the output folder.

Plink Connect for 'df -h' Disk Checks

List of servers to connect through Plink.
If using name, make sure name to IP mapping is functioning correctly.

192.168.11.100 192.168.11.100 192.168.11.100	Username hirman
	Password

Connect ☐ use SSH connection

View Past Results

Select 'Mounted On' slice. Select dated files to process.

<input type="checkbox"/> /	<input type="checkbox"/> 20170114_082028 Filesize = 368 bytes
<input type="checkbox"/> /dev	<input type="checkbox"/> 20170115_094523 Filesize = 368 bytes
<input type="checkbox"/> /dev/shm	<input type="checkbox"/> 20170115_102554 Filesize = 1104 bytes
<input type="checkbox"/> /run	<input type="checkbox"/> 20170116_191037 Filesize = 1104 bytes
<input type="checkbox"/> /sys/fs/cgroup	
<input type="checkbox"/> /home	
<input type="checkbox"/> /boot	

Basic Report Reset Page

Volume percent reporting. ☐ Custom sorting.

Lists of 'df -h' command output results executed at respective date and times.

Viewing historical data from output folder.

Name

bin
input
output

Name Size

20170114_082028	1 KB
20170115_094523	1 KB
20170115_102554	2 KB

Connect ☐ use SSH connection

View Past Results

Select 'Mounted On' slice. Select dated files to process.

☐ /
☐ /dev
☐ /dev/shm
☐ /run
☐ /sys/fs/cgroup
☐ /home
☐ /boot

☐ 20170114_082028 Filesize = 368 bytes
☐ 20170115_094523 Filesize = 368 bytes
☐ 20170115_102554 Filesize = 1104 bytes

Basic Report Reset Page

Volume percent reporting. ☐ Custom sorting.

- 1) It is possible to view historical data by clicking 'View Past Results'
- 2) It will list down all past connection session found in the 'output' folder.
- 3) Select one, all or any combination of output folder files to merge into a single table report.
- 4) Select 'Mounted On' directory name.
- 5) Click on 'Basic Report' to view results in table format.

Example layout of a Basic Report.

Plink Connect for 'df -h' Disk Checks

List of servers to connect through Plink.
If using name, make sure name to IP mapping is functioning correctly.

192.168.11.100	Username hirman
	Password
Connect	<input type="checkbox"/> use SSH connection
View Past Results	

Select 'Mounted On' slice. Select dated files to process.

- ☒ /
☒ /dev
☒ /dev/shm
☒ /run
☒ /sys/fs/cgroup
☒ /home
☒ /boot
- ☐ 20170114_082028 Filesize = 368 bytes
☒ 20170115_094523 Filesize = 368 bytes

Basic Report

Reset Page

Volume percent reporting. ☐ Custom sorting.

S/N	Server ID	Filesystem	size	used	avail	capacity	Mounted on
1	192.168.11.100	/dev/mapper/centos-root	41G	4.6G	36G	12%	/
2	192.168.11.100	devtmpfs	1.9G	0	1.9G	0%	/dev
3	192.168.11.100	tmpfs	1.9G	80K	1.9G	1%	/dev/shm
4	192.168.11.100	tmpfs	1.9G	8.7M	1.9G	1%	/run
5	192.168.11.100	tmpfs	1.9G	0	1.9G	0%	/sys/fs/cgroup
6	192.168.11.100	/dev/mapper/centos-home	20G	38M	20G	1%	/home
7	192.168.11.100	/dev/sda1	497M	166M	332M	34%	/boot

CentOS-7-x86_64 (Snapshot2) [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Applications Places Terminal

Sun 09:49 hirman

home

Trash

hirman@localhost:~/Desktop

File Edit View Search Terminal Help

```
[hirman@localhost Desktop]$ df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/mapper/centos-root  41G  4.6G  36G  12% /
devtmpfs        1.9G   0  1.9G   0% /dev
devtmpfs        1.9G  92K  1.9G   1% /dev/shm
tmpfs           1.9G   0  1.9G   0% /sys/fs/cgroup
tmpfs           1.9G  8.7M  1.9G   1% /run
tmpfs           1.9G   0  1.9G   0% /sys/fs/cgroup
/dev/mapper/centos-home  20G   39M  20G   1% /home
/dev/sda1       497M  166M  332M  34% /boot
[hirman@localhost Desktop]$
```

hirman@localhost:~/Desktop

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Right Ctrl

Use custom sorting to sort percentage usage.

- 1) Example below is single session connecting to same server 3 times.
- 2) No sorting is done with 'Default Sorting'. But Red, Yellow, Green percentage is still calculated.

Select 'Mounted On' slice. Select dated files to process.

☒ /
☒ /dev
☒ /dev/shm
☒ /run
☒ /sys/fs/cgroup
☒ /home
☒ /boot

☐ 20170114_082028 Filesize = 368 bytes
☐ 20170115_094523 Filesize = 368 bytes
☒ 20170115_102554 Filesize = 1104 bytes
☐ 20170116_191037 Filesize = 1104 bytes

Basic Report Reset Page

Volume percent reporting. ☒ Custom sorting.

Sort by: Default Sorting Sorted Report

Under 10% is label as green.
In between is label as amber percentage value.
Above 20% is label as red.

S/N	Server ID	Filesystem	size	used	avail	capacity	Mounted on
1	192.168.11.100	/dev/mapper/centos-root	41G	4.8G	36G	12%	/
2	192.168.11.100	devtmpfs	1.9G	0	1.9G	0%	/dev
3	192.168.11.100	tmpfs	1.9G	92K	1.9G	1%	/dev/shm
4	192.168.11.100	tmpfs	1.9G	8.7M	1.9G	1%	/run
5	192.168.11.100	tmpfs	1.9G	0	1.9G	0%	/sys/fs/cgroup
6	192.168.11.100	/dev/mapper/centos-home	20G	39M	20G	1%	/home
7	192.168.11.100	/dev/sda1	497M	166M	332M	34%	/boot
8	192.168.11.100	/dev/mapper/centos-root	41G	4.8G	36G	12%	/
9	192.168.11.100	devtmpfs	1.9G	0	1.9G	0%	/dev
10	192.168.11.100	tmpfs	1.9G	92K	1.9G	1%	/dev/shm
11	192.168.11.100	tmpfs	1.9G	8.7M	1.9G	1%	/run
12	192.168.11.100	tmpfs	1.9G	0	1.9G	0%	/sys/fs/cgroup
13	192.168.11.100	/dev/mapper/centos-home	20G	39M	20G	1%	/home
14	192.168.11.100	/dev/sda1	497M	166M	332M	34%	/boot
15	192.168.11.100	/dev/mapper/centos-root	41G	4.8G	36G	12%	/
16	192.168.11.100	devtmpfs	1.9G	0	1.9G	0%	/dev
17	192.168.11.100	tmpfs	1.9G	92K	1.9G	1%	/dev/shm
18	192.168.11.100	tmpfs	1.9G	8.7M	1.9G	1%	/run
19	192.168.11.100	tmpfs	1.9G	0	1.9G	0%	/sys/fs/cgroup
20	192.168.11.100	/dev/mapper/centos-home	20G	39M	20G	1%	/home
21	192.168.11.100	/dev/sda1	497M	166M	332M	34%	/boot

Use custom sorting to sort percentage usage.

- 1) Click on 'Custom sorting.'
- 2) Sort by 'Largest' or 'Smallest'. Sorting is based on percentage value collected.
- 3) Choose percentage color, above/below, colored as red/yellow/green.
- 4) Example below shows 2 session merge into one. Its useful if some servers were down, and not able to connect.

Select 'Mounted On' slice. Select dated files to process.

☒ /
☒ /dev
☒ /dev/shm
☒ /run
☒ /sys/fs/cgroup
☒ /home
☒ /boot

☒ 20170114_082028 Filesize = 368 bytes
☒ 20170115_094523 Filesize = 368 bytes
☐ 20170115_102554 Filesize = 1104 bytes
☐ 20170116_191037 Filesize = 1104 bytes

Basic Report

Reset Page

Volume percent reporting. ☒ Custom sorting.

Sort by

Sorted Report

Under is label as green.

In between is label as amber percentage value.

Above is label as red.

S/N	Server ID	Filesystem	size	used	avail	capacity	Mounted on
2	192.168.11.100	devtmpfs	1.9G	0	1.9G	0%	/dev
5	192.168.11.100	tmpfs	1.9G	0	1.9G	0%	/sys/fs/cgroup
9	192.168.11.100	devtmpfs	1.9G	0	1.9G	0%	/dev
12	192.168.11.100	tmpfs	1.9G	0	1.9G	0%	/sys/fs/cgroup
3	192.168.11.100	tmpfs	1.9G	80K	1.9G	1%	/dev/shm
4	192.168.11.100	tmpfs	1.9G	8.7M	1.9G	1%	/run
6	192.168.11.100	/dev/mapper/centos-home	20G	38M	20G	1%	/home
10	192.168.11.100	tmpfs	1.9G	80K	1.9G	1%	/dev/shm
11	192.168.11.100	tmpfs	1.9G	8.7M	1.9G	1%	/run
13	192.168.11.100	/dev/mapper/centos-home	20G	38M	20G	1%	/home
1	192.168.11.100	/dev/mapper/centos-root	41G	4.6G	36G	12%	/
8	192.168.11.100	/dev/mapper/centos-root	41G	4.6G	36G	12%	/
7	192.168.11.100	/dev/sda1	497M	166M	332M	34%	/boot
14	192.168.11.100	/dev/sda1	497M	166M	332M	34%	/boot

Select 'Mounted On' slice. Select dated files to process.

☒ /
☒ /dev
☒ /dev/shm
☒ /run
☒ /sys/fs/cgroup
☒ /home
☒ /boot

☒ 20170114_082028 Filesize = 368 bytes
☒ 20170115_094523 Filesize = 368 bytes
☐ 20170115_102554 Filesize = 1104 bytes
☐ 20170116_191037 Filesize = 1104 bytes

Basic Report

Reset Page

Volume percent reporting. ☒ Custom sorting.

Sort by

Sorted Report

Under is label as green.

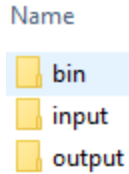
In between is label as amber percentage value.

Above is label as red.

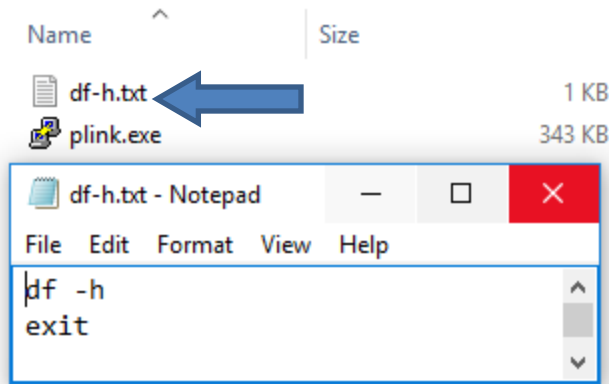
S/N	Server ID	Filesystem	size	used	avail	capacity	Mounted on
7	192.168.11.100	/dev/sda1	497M	166M	332M	34%	/boot
14	192.168.11.100	/dev/sda1	497M	166M	332M	34%	/boot
1	192.168.11.100	/dev/mapper/centos-root	41G	4.6G	36G	12%	/
8	192.168.11.100	/dev/mapper/centos-root	41G	4.6G	36G	12%	/
3	192.168.11.100	tmpfs	1.9G	80K	1.9G	1%	/dev/shm
4	192.168.11.100	tmpfs	1.9G	8.7M	1.9G	1%	/run
6	192.168.11.100	/dev/mapper/centos-home	20G	38M	20G	1%	/home
10	192.168.11.100	tmpfs	1.9G	80K	1.9G	1%	/dev/shm
11	192.168.11.100	tmpfs	1.9G	8.7M	1.9G	1%	/run
13	192.168.11.100	/dev/mapper/centos-home	20G	38M	20G	1%	/home
2	192.168.11.100	devtmpfs	1.9G	0	1.9G	0%	/dev
5	192.168.11.100	tmpfs	1.9G	0	1.9G	0%	/sys/fs/cgroup
9	192.168.11.100	devtmpfs	1.9G	0	1.9G	0%	/dev
12	192.168.11.100	tmpfs	1.9G	0	1.9G	0%	/sys/fs/cgroup

Required folders/files.

1) Required folders.



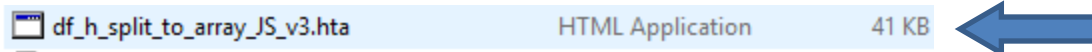
2) Content of bin folder. Text file df-h.txt is to hold the server commands.



3) Plink is command line version of Putty.

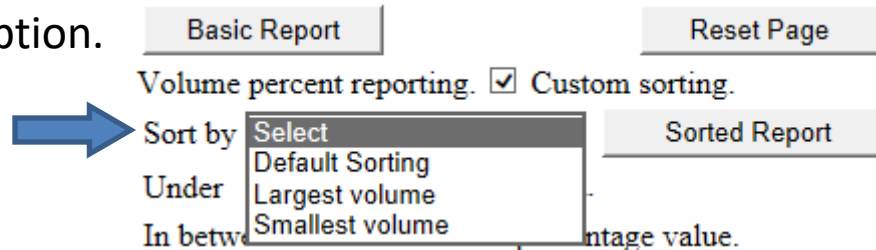


4) Name of the script file.



Use custom sorting to sort percentage usage.

1) Volume sorting option.



Basic Report Reset Page

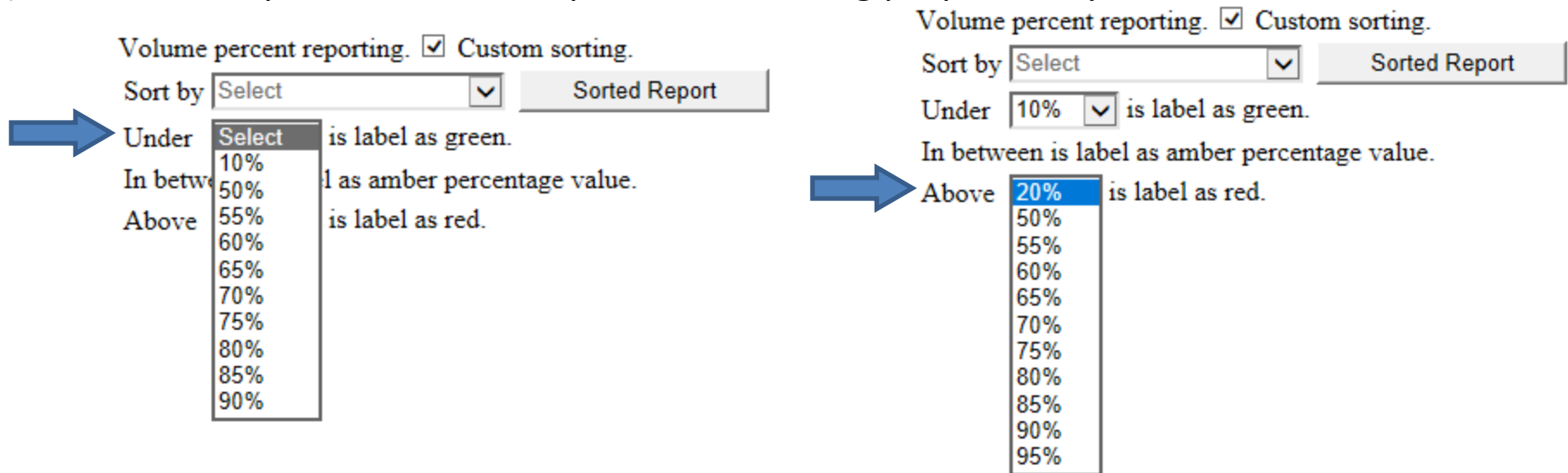
Volume percent reporting. ☒ Custom sorting.

Sort by **Select** **Sorted Report**

Under Largest volume

In between Smallest volume ntage value.

2) Green/Red option. 10%-20% option is for testing purpose only.



Volume percent reporting. ☒ Custom sorting.

Sort by **Select** **Sorted Report**

Under **Select** is label as green.

In between **10%** is label as amber percentage value.

Above **55%** is label as red.

Volume percent reporting. ☒ Custom sorting.

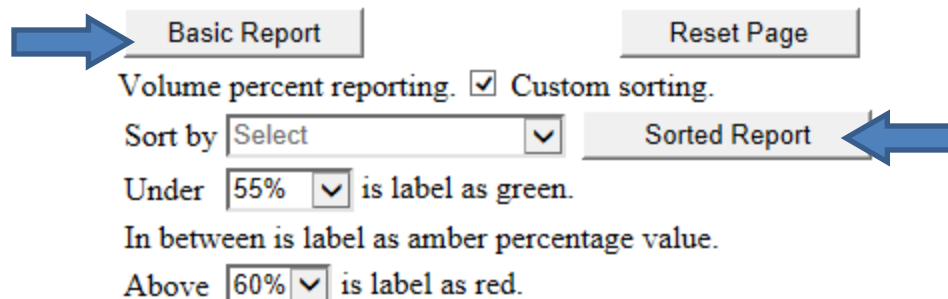
Sort by **Select** **Sorted Report**

Under **10%** is label as green.

In between is label as amber percentage value.

Above **20%** is label as red.

3) Click 'Sorted Report' to sort with colors. Click 'Basic Report' to see default layout.



Basic Report Reset Page

Volume percent reporting. ☒ Custom sorting.

Sort by **Select** **Sorted Report**

Under **55%** is label as green.

In between is label as amber percentage value.

Above **60%** is label as red.

Error handling.

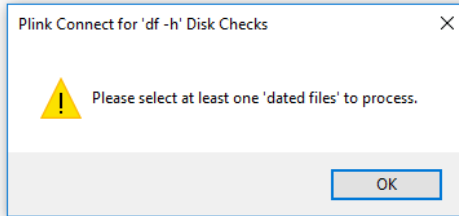
1) When no file was selected to process.

Select 'Mounted On' slice. Select dated files to process.

<input type="checkbox"/> /	<input type="checkbox"/> 20170114_082028 Filesize = 368 bytes
<input type="checkbox"/> /dev	<input type="checkbox"/> 20170115_094523 Filesize = 368 bytes
<input type="checkbox"/> /dev/shm	<input type="checkbox"/> 20170115_102554 Filesize = 1104 bytes
<input type="checkbox"/> /run	
<input type="checkbox"/> /sys/fs/cgroup	
<input type="checkbox"/> /home	
<input type="checkbox"/> /boot	

Basic Report Reset Page

Volume percent reporting. ☐ Custom sorting.



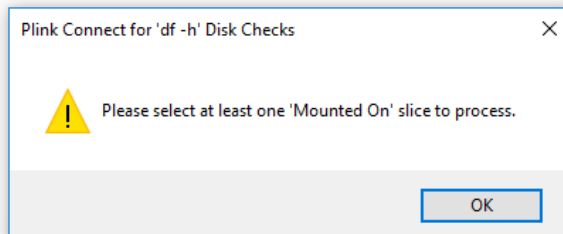
2) When no 'Mounted On' directory is selected.

Select 'Mounted On' slice. Select dated files to process.

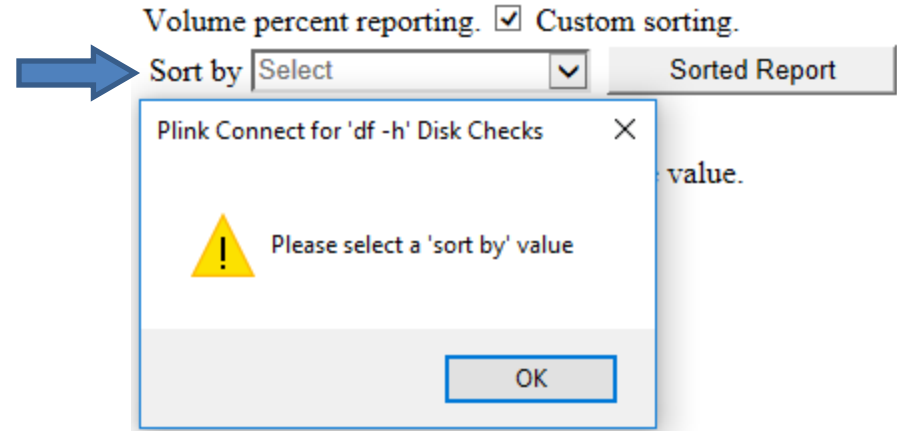
<input type="checkbox"/> /	<input type="checkbox"/> 20170114_082028 Filesize = 368 bytes
<input type="checkbox"/> /dev	<input type="checkbox"/> 20170115_094523 Filesize = 368 bytes
<input type="checkbox"/> /dev/shm	<input type="checkbox"/> 20170115_102554 Filesize = 1104 bytes
<input type="checkbox"/> /run	
<input type="checkbox"/> /sys/fs/cgroup	
<input type="checkbox"/> /home	
<input type="checkbox"/> /boot	

Basic Report Reset Page

Volume percent reporting. ☐ Custom sorting.



3) Custom sort + No 'sort by' is set.



4) Custom sort + No color percent is set.

Volume percent reporting. ☒ Custom sorting.

Sort by Sorted Report

Under is label as green.

In between is label as amber percentage value.

Above is label as red.

