# HTML script layout.



**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

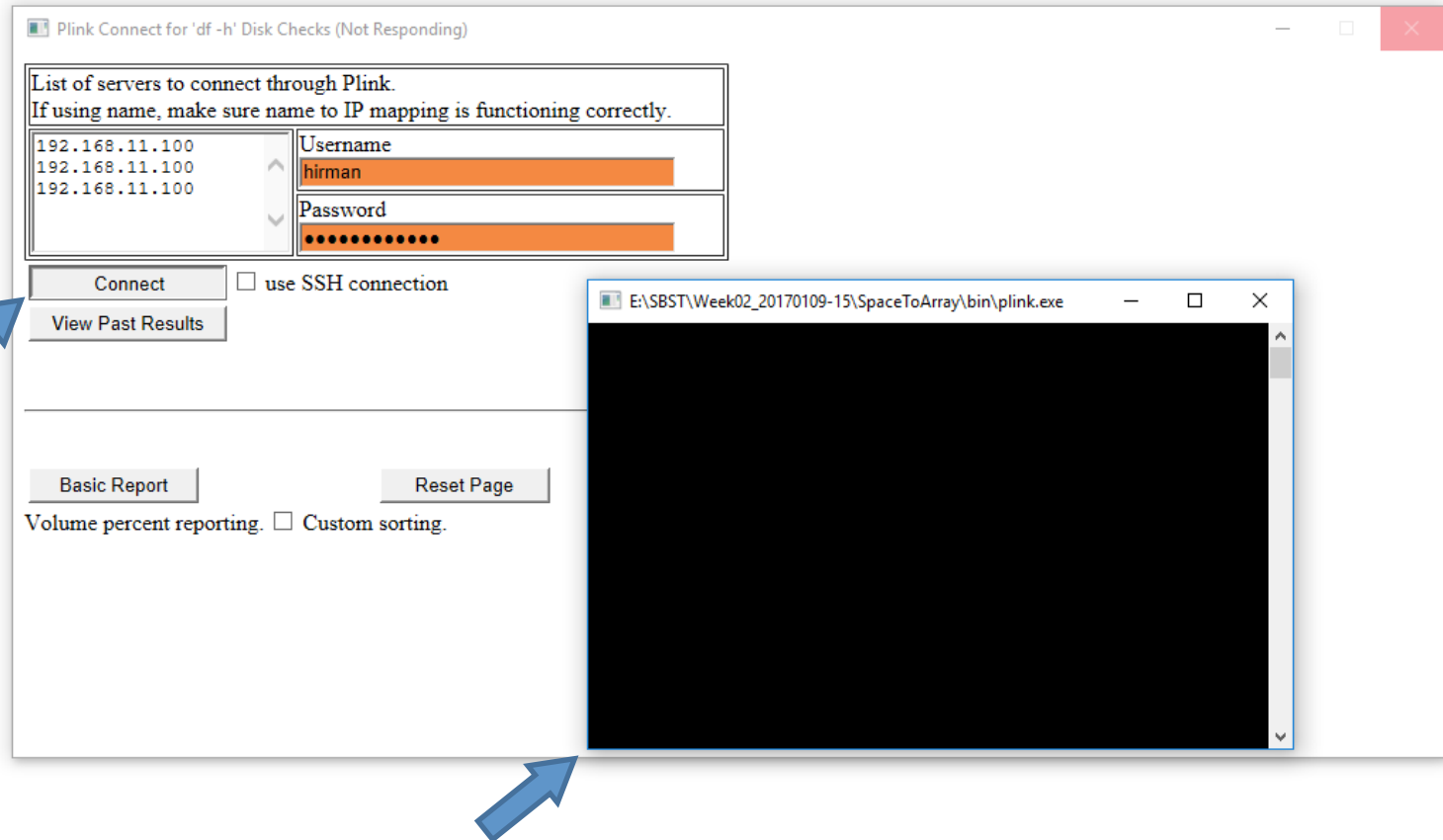Basic Report          Reset Page

Volume percent reporting. □ Custom sorting.

Add all servers to check into this box.

Add username and password.

Click connect to start server connection.

Click here for SSH connection.

Click reset to clear the page.

# Command pop up during connecting session.

Connect button is depressed during connection session.

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

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.

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```

Username
hirman

Password
••••••••••••

Connect ☐ use SSH connection

View Past Results

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

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

☐ /
☐ /dev
☐ /dev/shm            ☐ 20170114_082028 Filesize = 368 bytes
☐ /run               ☐ 20170115_094523 Filesize = 368 bytes
☐ /sys/fs/cgroup      ☐ 20170115_102554 Filesize = 1104 bytes
☐ /home              ☐ 20170116_191037 Filesize = 1104 bytes
☐ /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.



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.

1) Select 'Mounted On'. Select result 'dated files to process'.
2) Click 'Basic Report'. Table will be created as below.

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If using name, make sure name to IP mapping is functioning correctly.

```
192.168.11.100
```

Username
hirman

Password
••••••••••••

Connect    ☐ use SSH connection

View Past Results

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

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

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
tmpfs                    1.9G   92K  1.9G   1% /dev/shm
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

1 / 4

Right Ctrl

# 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/green.
4) Example below shows 3 repeated entry. This is because the same server is connected 3 times to simulate multiple server sessions connections.

# Use custom sorting to sort percentage usage.

1) Example of combining multiple dated files into one entry for sorting.
2) Useful if you missed out some servers due to disconnection failure.

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

☑ /
☑ /dev
☑ /dev/shm            ☑ 20170114_082028 Filesize = 368 bytes
☑ /run               ☑ 20170115_094523 Filesize = 368 bytes
☑ /sys/fs/cgroup     ☐ 20170115_102554 Filesize = 1104 bytes
☑ /home              ☐ 20170116_191037 Filesize = 1104 bytes
☑ /boot

   [ Basic Report ]                    [ Reset Page ]

Volume percent reporting. ☑ Custom sorting.
Sort by [Smallest volume        ▼]  [ Sorted Report ]
Under [ 10% ▼] is green status.   Over percent is 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 |

1) Required folders.

Name

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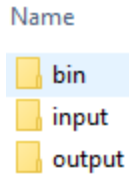
2) Content of bin folder. Text file df-h.txt is to hold the server commands.

| Name | Size |
|------|------|
| df-h.txt | 1 KB |
| plink.exe | 343 KB |

df-h.txt - Notepad

File   Edit   Format   View   Help

```
df -h
exit
```
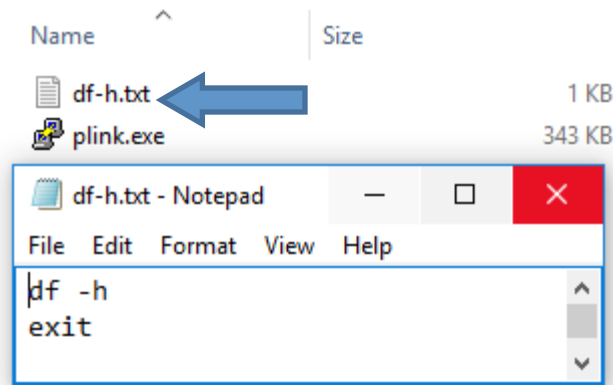
3) Plink is command line version of Putty.

**For Windows on Intel x86**

| | |
|------|------|
| PuTTY: | putty.exe |
| PuTTYtel: | puttytel.exe |
| PSCP: | pscp.exe |
| PSFTP: | psftp.exe |
| Plink: | plink.exe |

4) Name of the script file.

| df_h_split_to_array_JS_v1.hta | HTML Application | 35 KB |
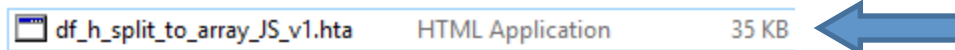
# Use custom sorting to sort percentage usage.

1) Volume sorting option.

| Basic Report | | Reset Page |
|---|---|---|

Volume percent reporting. ☑ Custom sorting.

Sort by | Select | Sorted Report
Largest volume
Under | Smallest volume | Over percent is red.

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

| Basic Report | | Reset Page |
|---|---|---|

Volume percent reporting. ☑ Custom sorting.

Sort by | Select | ☑ | Sorted Report

Under | Select | is green status.   Over percent is red.
10%
50%
55%
60%
65%
70%
75%
80%
85%
90%

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 | Largest volume | ☑ | Sorted Report

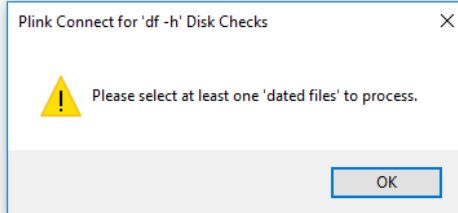Under   60% ☑ is green status.   Over percent is red.

# Error handling.

## 1) When no file selected for processing.

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

☐ /
☐ /dev
☐ /dev/shm       ☐ 20170114_082028 Filesize = 368 bytes
☐ /run           ☐ 20170115_094523 Filesize = 368 bytes
☐ /sys/fs/cgroup  ☐ 20170115_102554 Filesize = 1104 bytes
☐ /home
☐ /boot

[ Basic Report ]      [ Reset Page ]

Volume percent reporting. ☐ Custom sorting.

```
Plink Connect for 'df -h' Disk Checks          ✕

    ⚠   Please select at least one 'dated files' to process.


                                    [   OK   ]
```

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

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

☐ /
☐ /dev
☐ /dev/shm       ☐ 20170114_082028 Filesize = 368 bytes
☐ /run           ☐ 20170115_094523 Filesize = 368 bytes
☐ /sys/fs/cgroup  ☑ 20170115_102554 Filesize = 1104 bytes
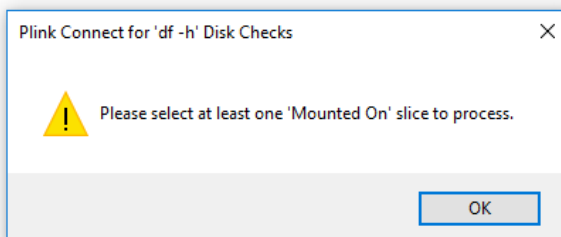☐ /home
☐ /boot

[ Basic Report ]      [ Reset Page ]

Volume percent reporting. ☐ Custom sorting.

```
Plink Connect for 'df -h' Disk Checks          ✕

    ⚠   Please select at least one 'Mounted On' slice to process.


                                    [   OK   ]
```

## 3) Custom sort: sorting by is not set.

Volume percent reporting. ☑ Custom sorting.

Sort by [Select        ▼]   [ Sorted Report ]

Under [Select ▼] is green status.   Over percent is red.

```
Plink Connect for 'df -h' Disk Checks          ✕

    ⚠   Please select a 'sort by' value


                                    [   OK   ]
```

## 4) Custom sort: Color percent not set.

Volume percent reporting. ☑ Custom sorting.

Sort by [Largest volume    ▼]   [ Sorted Report ]

Under [Select ▼] is green status.   Over percent is red.

```
Plink Connect for 'df -h' Disk Checks          ✕

    ⚠   Please select a 'percent' value


                                    [   OK   ]
```