

Executing orchestration activity through [TRAX0001030](#) on dparck-vicn235 by using the below script/command.

```
#!/usr/bin/env bash
#####
#####
# SCRIPT NAME: trax_cpu.sh
# DESCRIPTION: TRAX CPU Usage - collected using mpstat, ps, and awk
commands
# USAGE: None
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#####
#####
# DECLARE VARS
hostname=$( uname -n )
script_name=$( basename "$0" .sh )
current_dt=$( date +"%Y%m%d%H%M" )
basedir="$HOME/${script_name}_htmlout"
title='TRAX CPU Usage - collected using mpstat, ps, and awk commands'
mpstat_header="-----Current utilization summary on host $hostname -
collected using the mpstat command"
ps_header="-----Names of processes/users consuming CPU - collected
using ps and awk commands"
mpstat_output=$( mpstat )
awk_cmd='{ if (NR == 1) {print}; if ( $5 ~ /D|T|Z/ ) {print} else if ( $1 > 0.0 )
{print}}'
ps_output=$( ps -eo pcpu,cpu,pmem,nice,state,cputime,pid,user,comm --
sort=-pcpu | awk "$awk_cmd" | head -n 20 )

# Write results from mpstat command using HTML tags
show_mpstat_output() {
echo "<h3>${mpstat_header}</h3>"
echo "<pre>"
echo "$mpstat_output"
echo "</pre>"
}

# Write results from ps command using HTML tags
show_ps_output() {
echo "<h3>${ps_header}</h3>"
echo "<pre>"
echo "$ps_output"
```

```
echo "</pre>"  
}
```

```
# Create HTML file using heredoc
```

```
write_html() {  
cat <<- _EOF_  
<!DOCTYPE html>  
<html>  
<head>  
<title>$title</title>  
</head>  
<body>  
<div>  
$(show_mpstat_output)  
$(show_ps_output)  
</div>  
</body>  
</html>  
_EOF_  
}
```

```
mkdir -p "$basedir"
```

```
outfile="$basedir/${script_name}_${current_dt}.html"
```

```
# Purge HTML files older than 30 days
```

```
if [[ -d $basedir ]]; then  
find "$basedir" -mtime +30 -name '*.html' -print0 | xargs -0r rm -f  
fi
```

```
write_html > "$outfile"
```

```
if [[ -f "$outfile" ]]; then  
lynx -dump -width=150 "$outfile"  
fi
```

```
echo -e "\nTRAX:::SUCCESS"
```