report4.md 2024-09-06

## 1. CPU利用率截图

PID	USER	PR	NI	VIRT	RES	SHR S	%CPU	%MEM	TIME+ COMMAND
34551	li	20	0	27272	5504	1260 R	100.0	0.0	0:02.69 test
1	root	20	Θ		3180	1620 S	0.0	0.0	0:02.57 systemd
2	root	20	0	2476	232	232 S	0.0	0.0	0:00.01 init-systemd(Ub
	root	20	0	2520	4	4 S	0.0	0.0	0:00.11 init
58	root	20	0	66820	3136	2840 S	0.0	0.0	0:00.47 systemd-journal
	root	20	0	24124	72	8 S	0.0	0.0	0:00.18 systemd-udevd
	root	20	0	302464	0	0 S	0.0	0.0	0:00.42 snapfuse
107	root	20	0	152936	0	0 S	0.0	0.0	0:00.00 snapfuse
	root	20	0	152936	0	0 S	0.0	0.0	0:00.02 snapfuse
115	root	20	0	152936	0	0 S	0.0	0.0	0:00.00 snapfuse
124	root	20	0	601520	0	0 S	0.0	0.0	0:02.08 snapfuse
128	root	20	0	153332	0	0 S	0.0	0.0	0:00.00 snapfuse
	root	20	0	152936	0	0 S	0.0	0.0	0:00.00 snapfuse
141	root	20	0	153068	0	0 S	0.0	0.0	0:00.00 snapfuse
146	root	20	0	227832	0	0 S	0.0	0.0	0:00.01 snapfuse
151	root	20	0	153068	0	0 S	0.0	0.0	0:00.00 snapfuse
216	systemd+	20	0	19600	1280	1064 S	0.0	0.0	0:00.10 systemd-resolve
	systemd+	20	0	91020	732	672 S	0.0	0.0	0:00.08 systemd-timesyn
257	root	19	-1	17976	164	76 S	0.0	0.0	0:00.07 systemd-logind
259	root	20	0	4236	512	424 S	0.0	0.0	0:00.00 cron
260	message+	20	0	9616	932	584 S	0.0	0.0	0:00.12 dbus-daemon
268	root	20	0	2508720	5432	168 S	0.0	0.0	0:01.53 snapd
271	root	20	0	1756096	484	0 S	0.0	0.0	0:00.10 wsl-pro-service
298	syslog	20	0	222508	720	512 S	0.0	0.0	0:00.06 rsyslogd
329	root	20	0	112792	308	308 S	0.0	0.0	0:00.05 unattended-upgr
401	root	20	0	3160	0	0 S	0.0	0.0	0:00.01 agetty
410	root	20	0	3116	0	0 S	0.0	0.0	0:00.00 agetty
492	root	20	0	6692	428	424 S	0.0	0.0	0:00.00 login
581		20	0	20372	1684	1140 S	0.0	0.0	0:00.13 systemd
582		20	0	21144	4	0 S	0.0	0.0	0:00.00 (sd-pam)
607		20	0	6956	408	404 S	0.0	0.0	0:00.01 bash
724	root	20	0	2492	0	0 S	0.0	0.0	0:00.00 SessionLeader
725	root	20	0	2492	0	0 S	0.0	0.0	0:00.00 Relay(726)
726		20	0	2800	0	0 S	0.0	0.0	0:00.00 sh
727		20	0	2800	0	0 S	0.0	0.0	0:00.00 sh
732		20	0	2800	0	0 S	0.0	0.0	0:00.00 sh
736		20		1339544	64004	12836 S	0.0	0.2	0:17.51 node
786		20	0	1109956	8836	6688 S	0.0	0.0	0:00.35 node
809		20	0		117792	10368 S	0.0	0.4	0:55.59 node
	root	20	0	2484	Θ	0 S	0.0	0.0	0:00.00 SessionLeader
	root	20	0	2500	0	0 S	0.0	0.0	0:00.00 Relay(860)
860		20	0	2800	0	0 S	0.0	0.0	0:00.00 sh
861		20	0	2800	408	404 S	0.0	0.0	0:00.00 sh
871	li	20	0	991932	6552	6552 S	0.0	0.0	0:00.06 node

report4.md 2024-09-06

## 2. pstree截图

```
li@localhost:~/hpc
                        practice_report/lab4-process$ pstree
systemd-
           -2*[agetty]
            cron
           -dbus-daemon
           -init-systemd(Ub--SessionLeader---Relay(726)--3*[cpptools-srv---7*[{cpptools-+
                                                                       -sh---sh----sh----node----2*[node---+
                                                                                                  -node
                                                                                                           -cp+
                                                                                                           -11+
                                                                                                            3*+
                                                                                                            13+
                                                                                                   node
                                                                                                            ср+
                                                                                                           -3*+
                                                                                                           -no+
                                                                                                           -sh+
                                                                                                          └12+
                                                                                                  -10*[{node+
                                  -SessionLeader-
                                                      -Relay(860)---sh---sh---node-
                                                                                            sh
                                                                                            -6*[{node}]
                                                      -Relay(3932)—
-Relay(3947)—
-Relay(11441)
                                                                                -6*[{node}]
-6*[{node}]
--6*[{node}]
--6*[{node}]
                                  -SessionLeader-
                                                                        -node-
                                  -SessionLeader
                                                                        -node-
                                                                         -node
                                  -SessionLeader
                                  -SessionLeader
                                                      -Relay(11457)-
                                                                         -node-
                                                      -Relay(11634)-
                                  -SessionLeader
                                                                         -sh—
                                                                                     -node-
                                                                                -sh—
                                                                                               6*[{node}]
                                                      –Relay(19158)<del>-</del>
                                                                         -bash---tmux: client
                                  -SessionLeader-
                                                                         -tmux: server— —bash-
                                                                                                     -test
                                                                                            -bash-
                                                                                                     -pstree
                                  -init---{init}
-login---bash
                                  -{init-systemd(Ub}
           -polkitd---3*[{polkitd}]
-rsyslogd---3*[{rsyslogd}]
           -snapd——17*[{snapd}]
           snapfuse-
                       -4*[{snapfuse}]
                         e--2*[{snapfuse}]]
-8*[{snapfuse}]
-3*[{snapfuse}]
           -7*[snapfuse—
           -snapfuse—
           -snapfuse-
            systemd-
                        (sd-pam)
                        -dbus-daemon
            -systemd-journal
            -systemd-ĺogind
            -systemd-resolve
                                  -{systemd-timesyn}
            -systemd-timesyn-
            -systemd-udevd
            -unattended-upgr-
                                  -{unattended-upgr}
            -wsl-pro-service-
                                  7*[{wsl-pro-service}]
```

## 3. 时间记录表

	time
real	5.023
user	5.523
sys	0.011
$\overline{(user+sys)/real}$	1.101

m = 0