

Linux?Transparent HugePage?InterSystems IRIS???????

??

[Toshihiko Minamoto](#) · 2020??78?



Linux?Transparent HugePage?InterSystems IRIS???????

** 2018??2?12???

?????InterSystems IRIS?????????Caché?Ensemble?????HealthShare?????????????????????

??

????????????????? Linux????????????????????4KB??? Red Hat Enterprise Linux 6?SUSE Linux Enterprise Server 11?????Oracle Linux 6????HugePage????????????????????2MB???1GB?????????????????

?????HugePages??
?????????????Linux?????????????????Transparent HugePages????????????????????2.6.38?????????
?????HugePages??[always] ??????????
[madvise] ????????????????????? ?

Transparent Huge Pages?THP??Translation Lookaside Buffer?TLB????????????????????????Linux????????????????????
?????????Linux?????THP??

??

Cache'??THP??
?????THP?? ?

???InterSystems?????????????????2MB?THP?Cache'????????????????????????????????????

```
# grep -e AnonHugePages /proc/*/smaps | awk '{ if($2>4) print $0} ' | awk -F "/" '{print $0; system("ps -fp " $3)}'
```

/proc/2945/smaps:AnonHugePages: 2048 kB

UID	PID	PPID	C	STIME	TTY	TIME	CMD
root	2945	1	0	2015	?	01:35:41	/usr/sbin/rsyslogd -n

/proc/70937/smaps:AnonHugePages: 2048 kB

Linux?Transparent HugePage?InterSystems IRIS???????

Published on InterSystems Developer Community (<https://community.intersystems.com>)

```
UID          PID    PPID  C STIME TTY          TIME CMD
root         70937  70897  0 Jan27 pts/0        00:01:58 /bench/EJR/ycsb161b641/bin/cache WD
```

```
/proc/70938/smmaps:AnonHugePages:      2048 kB
```

```
UID          PID    PPID  C STIME TTY          TIME CMD
root         70938  70897  0 Jan27 pts/0        00:00:00 /bench/EJR/ycsb161b641/bin/cache GC
```

```
/proc/70939/smmaps:AnonHugePages:      2048 kB
```

```
UID          PID    PPID  C STIME TTY          TIME CMD
root         70939  70897  0 Jan27 pts/0        00:00:39 /bench/EJR/ycsb161b641/bin/cache JD
```

```
/proc/70939/smmaps:AnonHugePages:      4096 kB
```

```
UID          PID    PPID  C STIME TTY          TIME CMD
root         70939  70897  0 Jan27 pts/0        00:00:39 /bench/EJR/ycsb161b641/bin/cache JD
```

```
/proc/70940/smmaps:AnonHugePages:      2048 kB
```

```
UID          PID    PPID  C STIME TTY          TIME CMD
root         70940  70897  0 Jan27 pts/0        00:00:29 /bench/EJR/ycsb161b641/bin/cache SW
D 1
```

```
/proc/70941/smmaps:AnonHugePages:      2048 kB
```

Linux?Transparent HugePage?InterSystems IRIS???????

Published on InterSystems Developer Community (<https://community.intersystems.com>)

```
UID          PID    PPID  C STIME TTY          TIME CMD
root         70941  70897  0 Jan27 pts/0      00:00:29 /bench/EJR/ycsb161b641/bin/cache SW
D 2
```

```
/proc/70942/smmaps:AnonHugePages:      2048 kB
```

```
UID          PID    PPID  C STIME TTY          TIME CMD
root         70942  70897  0 Jan27 pts/0      00:00:29 /bench/EJR/ycsb161b641/bin/cache SW
D 3
```

```
/proc/70943/smmaps:AnonHugePages:      2048 kB
```

```
UID          PID    PPID  C STIME TTY          TIME CMD
root         70943  70897  0 Jan27 pts/0      00:00:33 /bench/EJR/ycsb161b641/bin/cache SW
D 7
```

```
/proc/70944/smmaps:AnonHugePages:      2048 kB
```

```
UID          PID    PPID  C STIME TTY          TIME CMD
root         70944  70897  0 Jan27 pts/0      00:00:29 /bench/EJR/ycsb161b641/bin/cache SW
D 4
```

```
/proc/70945/smmaps:AnonHugePages:      2048 kB
```

```
UID          PID    PPID  C STIME TTY          TIME CMD
root         70945  70897  0 Jan27 pts/0      00:00:30 /bench/EJR/ycsb161b641/bin/cache SW
D 5
```


Linux?Transparent HugePage?InterSystems IRIS???????

Published on InterSystems Developer Community (<https://community.intersystems.com>)

???URL: <https://jp.community.intersystems.com/post/linux%E3%81%AEtransparent-hugepage%E3%81%A8intersystems-iris%E3%81%B8%E3%81%AE%E3%82%A4%E3%83%B3%E3%83%91%E3%82%AF%E3%83%88>