
Subject: [PATCH 08/11] update kernel headers: support for pids objects

Posted by [Oren Laadan](#) on Mon, 07 Feb 2011 17:21:29 GMT

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include/linux/checkpoint_hdr.h | 29 ++++++-----

1 files changed, 24 insertions(+), 5 deletions(-)

diff --git a/include/linux/checkpoint_hdr.h b/include/linux/checkpoint_hdr.h

index f7c4d9a..227bfbe 100644

--- a/include/linux/checkpoint_hdr.h

+++ b/include/linux/checkpoint_hdr.h

@@ -94,7 +94,9 @@ enum {

CKPT_HDR_SECURITY,

#define CKPT_HDR_SECURITY CKPT_HDR_SECURITY

- CKPT_HDR_TREE = 101,

+ CKPT_HDR_PIDS = 101,

+#define CKPT_HDR_PIDS CKPT_HDR_PIDS

+ CKPT_HDR_TREE,

#define CKPT_HDR_TREE CKPT_HDR_TREE

CKPT_HDR_TASK,

#define CKPT_HDR_TASK CKPT_HDR_TASK

@@ -232,6 +234,8 @@ struct ckpt_hdr_objref {

enum obj_type {

CKPT_OBJ_IGNORE = 0,

#define CKPT_OBJ_IGNORE CKPT_OBJ_IGNORE

+ CKPT_OBJ_PID,

+#define CKPT_OBJ_PID CKPT_OBJ_PID

CKPT_OBJ_INODE,

#define CKPT_OBJ_INODE CKPT_OBJ_INODE

CKPT_OBJ_FILE_TABLE,

@@ -343,24 +347,39 @@ struct ckpt_hdr_container {

*/

} __attribute__((aligned(8)));

/* pids array */

+struct ckpt_hdr_pids {

+ struct ckpt_hdr h;

+ __u32 nr_pids;

+ __u32 nr_vpids;

+ __u32 offset;

+} __attribute__((aligned(8)));

+

+struct ckpt_pids {

+ __u32 depth;

+ __s32 numbers[1];

+} __attribute__((aligned(8)));

```

+
/* task tree */
struct ckpt_hdr_tree {
    struct ckpt_hdr h;
- __s32 nr_tasks;
+ __u32 nr_tasks;
} __attribute__((aligned(8)));

-struct ckpt_pids {
+struct ckpt_task_pids {
    /* These pids are in the root_nsproxy's pid ns */
    __s32 vpid;
    __s32 vppid;
    __s32 vtgid;
    __s32 vpgid;
    __s32 vsid;
- __s32 depth; /* pid namespace depth relative to container init */
+ __u32 depth;
} __attribute__((aligned(8)));

/* pids */
-#define CKPT_PID_NULL -1
+/* (negative but not valid error) */
+#define CKPT_PID_NULL (-4096) /* null pid pointer */
+#define CKPT_PID_ROOT (-4097) /* pid same as root task */

/* task data */
struct ckpt_hdr_task {
--
1.7.1

```

Containers mailing list
Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
