
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)));\n\n/* pids array */  
+struct ckpt_hdr_pids {  
+ struct ckpt_hdr h;  
+ __u32 nr_pids;  
+ __u32 nr_vpids;  
+ __u32 offset;  
+} __attribute__((aligned(8)));\n+\n+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>