

NAME

`slurm_get_errno`, `slurm_perror`, `slurm_strerror` – Slurm error handling functions

SYNTAX

```
#include <slurm/slurm_errno.h>

int slurm_get_errno ();

void slurm_perror (
    char *header
);

char * slurm_strerror (
    int errnum
);
```

ARGUMENTS

errnum A Slurm error code.

header A pointer to a string used as a message header for printing along with an error description.

DESCRIPTION

slurm_get_errno Return the error code as set by the Slurm API function executed.

slurm_perror Print to standard error the supplied header followed by a colon followed by a text description of the last Slurm error code generated.

slurm_strerror Given a Slurm error code, return a pointer to a text description of the error's meaning.

RETURN VALUE

slurm_get_errno returns an error code or zero if no error was generated by the last Slurm function call executed. **slurm_strerror** returns a pointer to a text string, which is empty if no error was generated by the last Slurm function call executed.

EXAMPLE

```
#include <stdio.h>
#include <slurm/slurm.h>
#include <slurm/slurm_errno.h>

int main (int argc, char *argv[])
{
    /* assume Slurm API function failed here */
    fprintf (stderr, "Slurm function errno = %d\n",
        slurm_get_errno ());
    fprintf (stderr, "Slurm function errno = %d %s\n",
        slurm_get_errno (),
        slurm_strerror (slurm_get_errno ()));
    slurm_perror ("Slurm function");
    exit (1);
}
```

NOTE

These functions are included in the `libslurm` library, which must be linked to your process for use (e.g. `cc -lslurm myprog.c`).

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SEE ALSO

`slurm_allocate_resources(3)`, `slurm_complete_job(3)`, `slurm_complete_job_step(3)`, `slurm_allocation_lookup(3)`, `slurm_free_ctl_conf(3)`, `slurm_free_job_info_msg(3)`, `slurm_free_job_step_create_response_msg(3)`, `slurm_free_node_info(3)`, `slurm_free_partition_info(3)`, `slurm_free_resource_allocation_response_msg(3)`, `slurm_free_submit_response_response_msg(3)`, `slurm_get_job_steps(3)`, `slurm_init_job_desc_msg(3)`, `slurm_init_part_desc_msg(3)`, `slurm_job_step_create(3)`, `slurm_job_will_run(3)`, `slurm_kill_job(3)`, `slurm_kill_job_step(3)`, `slurm_load_ctl_conf(3)`, `slurm_load_jobs(3)`, `slurm_load_node(3)`, `slurm_load_partitions(3)`, `slurm_pid2jobid(3)`, `slurm_reconfigure(3)`, `slurm_shutdown(3)`, `slurm_submit_batch_job(3)`, `slurm_update_job(3)`, `slurm_update_node(3)`, `slurm_update_partition(3)`

