NAME

Slurm::Constant – Constants for use with Slurm

SYNOPSIS

```
use Slurm qw(:constant);

if ($rc != SLURM_SUCCESS {
        print STDERR "action failed!\n";
}
```

DESCRIPTION

This package export constants for use with Slurm. This includes enumerations and defined macros. The constants will be exported to package Slurm and the package which ‘‘use Slurm qw(:constant);’’.

EXPORTED CONSTANTS

DEFINED MACROS

Misc values

- TRUE 1
- FALSE 0
- INFINITE 0xffffffff
- INFINITE64 0xffffffffffffffff
- NO_VAL 0xfffffffe
- NO_VAL64 0xfffffffffffffffe
- MAX_TASKS_PER_NODE 128
- SLURM_BATCH_SCRIPT 0xfffffffe

Job state flags

- JOB_STATE_BASE 0x000000ff
- JOB_STATE_FLAGS 0xffffff00
- JOB_COMPLETING 0x00008000
- JOB_CONFIGURING 0x00004000
- JOB_RESIZING 0x00002000
- JOB_SIGNALING 0x00400000
- READY_JOB_FATAL −2
- READY_JOB_ERROR −1
- READY_NODE_STATE 0x01
- READY_JOB_STATE 0x02

Job mail notification

- MAIL_JOB_BEGIN 0x0001
- MAIL_JOB_END 0x0002
- MAIL_JOB_FAIL 0x0004
- MAIL_JOB_REQUEUE 0x0008

Offset for job’s nice value

- NICE_OFFSET 0x80000000

Partition state flags

- PARTITION_SUBMIT 0x01
- PARTITION_SCHED 0x02
- PARTITION_DOWN 0x01



- PARTITION_UP 0x03
- PARTITION_DRAIN 0x02
- PARTITION_INACTIVE 0x00

Open stdout/stderr mode

- OPEN_MODE_APPEND 1
- OPEN_MODE_TRUNCATE 2

Node state flags

- NODE_STATE_BASE 0x000f
- NODE_STATE_FLAGS 0xfff0
- NODE_STATE_NET 0x0010
- NODE_STATE_RES 0x0020
- NODE_STATE_UNDRAIN 0x0040
- NODE_STATE_CLOUD 0x0080
- NODE_RESUME 0x0100
- NODE_STATE_DRAIN 0x0200
- NODE_STATE_COMPLETING 0x0400
- NODE_STATE_NO_RESPOND 0x0800
- NODE_STATE_POWER_SAVE 0x1000
- NODE_STATE_FAIL 0x2000
- NODE_STATE_POWER_UP 0x4000
- NODE_STATE_MAINT 0x8000

Size of the credential signature

- SLURM_SSL_SIGNATURE_LENGTH 128

show_flags of slurm_get_/slurm_load_ function calls

- SHOW_ALL 0x0001
- SHOW_DETAIL 0x0002

Consumerable resources parameters

- CR_CPU 0x0001
- CR_SOCKET 0x0002
- CR_CORE 0x0004
- CR_MEMORY 0x0010
- CR_ONE_TASK_PER_CORE 0x0100
- CR_CORE_DEFAULT_DIST_BLOCK 0x1000
- MEM_PER_CPU 0x8000000000000000
- SHARED_FORCE 0x8000

Private data values

- PRIVATE_DATA_JOBS 0x0001
- PRIVATE_DATA_NODES 0x0002
- PRIVATE_DATA_PARTITIONS 0x0004
- PRIVATE_DATA_USAGE 0x0008
- PRIVATE_DATA_USERS 0x0010



- PRIVATE_DATA_ACCOUNTS 0x0020
- PRIVATE_DATA_RESERVATIONS 0x0040

Priority reset period

- PRIORITY_RESET_NONE 0x0000
- PRIORITY_RESET_NOW 0x0001
- PRIORITY_RESET_DAILY 0x0002
- PRIORITY_RESET_WEEKLY 0x0003
- PRIORITY_RESET_MONTHLY 0x0004
- PRIORITY_RESET_QUARTERLY 0x0005
- PRIORITY_RESET_YEARLY 0x0006

Process priority propagation

- PROP_PRIO_OFF 0x0000
- PROP_PRIO_ON 0x0001
- PROP_PRIO_NICER 0x0002

Partition state information

- PART_FLAG_DEFAULT 0x0001
- PART_FLAG_HIDDEN 0x0002
- PART_FLAG_NO_ROOT 0x0004
- PART_FLAG_ROOT_ONLY 0x0008
- PART_FLAG_DEFAULT_CLR 0x0100
- PART_FLAG_HIDDEN_CLR 0x0200
- PART_FLAG_NO_ROOT_CLR 0x0400
- PART_FLAG_ROOT_ONLY_CLR 0x0800

Reservation flags

- RESERVE_FLAG_MAINT 0x0001
- RESERVE_FLAG_NO_MAINT 0x0002
- RESERVE_FLAG_DAILY 0x0004
- RESERVE_FLAG_NO_DAILY 0x0008
- RESERVE_FLAG_WEEKLY 0x0010
- RESERVE_FLAG_NO_WEEKLY 0x0020
- RESERVE_FLAG_IGN_JOBS 0x0040
- RESERVE_FLAG_NO_IGN_JOB 0x0080
- RESERVE_FLAG_OVERLAP 0x4000
- RESERVE_FLAG_SPEC_NODES 0x8000

Log debug flags

- DEBUG_FLAG_SELECT_TYPE 0x00000001
- DEBUG_FLAG_STEPS 0x00000002
- DEBUG_FLAG_TRIGGERS 0x00000004
- DEBUG_FLAG_CPU_BIND 0x00000008
- DEBUG_FLAG_WIKI 0x00000010
- DEBUG_FLAG_NO_CONF_HASH 0x00000020



- DEBUG_FLAG_GRES 0x00000040
- DEBUG_FLAG_BG_PICK 0x00000080
- DEBUG_FLAG_BG_WIRES 0x00000100
- DEBUG_FLAG_BG_ALGO 0x00000200
- DEBUG_FLAG_BG_ALGO_DEEP 0x00000400
- DEBUG_FLAG_PRIO 0x00000800
- DEBUG_FLAG_BACKFILL 0x00001000
- DEBUG_FLAG_GANG 0x00002000
- DEBUG_FLAG_RESERVATION 0x00004000

Preempt mode

- PREEMPT_MODE_OFF 0x0000
- PREEMPT_MODE_SUSPEND 0x0001
- PREEMPT_MODE_REQUEUE 0x0002
- PREEMPT_MODE_CHECKPOINT 0x0004
- PREEMPT_MODE_CANCEL 0x0008
- PREEMPT_MODE_GANG 0x8000

Trigger type

- TRIGGER_RES_TYPE_JOB 0x0001
- TRIGGER_RES_TYPE_NODE 0x0002
- TRIGGER_RES_TYPE_SLURMCTLD 0x0003
- TRIGGER_RES_TYPE_SLURMDBD 0x0004
- TRIGGER_RES_TYPE_DATABASE 0x0005
- TRIGGER_TYPE_UP 0x00000001
- TRIGGER_TYPE_DOWN 0x00000002
- TRIGGER_TYPE_FAIL 0x00000004
- TRIGGER_TYPE_TIME 0x00000008
- TRIGGER_TYPE_FINI 0x00000010
- TRIGGER_TYPE_RECONFIG 0x00000020
- TRIGGER_TYPE_BLOCK_ERR 0x00000040
- TRIGGER_TYPE_IDLE 0x00000080
- TRIGGER_TYPE_DRAINED 0x00000100
- TRIGGER_TYPE_PRI_CTLD_FAIL 0x00000200
- TRIGGER_TYPE_PRI_CTLD_RES_OP 0x00000400
- TRIGGER_TYPE_PRI_CTLD_RES_CTRL 0x00000800
- TRIGGER_TYPE_PRI_CTLD_ACCT_FULL 0x00001000
- TRIGGER_TYPE_BU_CTLD_FAIL 0x00002000
- TRIGGER_TYPE_BU_CTLD_RES_OP 0x00004000
- TRIGGER_TYPE_BU_CTLD_AS_CTRL 0x00008000
- TRIGGER_TYPE_PRI_DBD_FAIL 0x00010000
- TRIGGER_TYPE_PRI_DBD_RES_OP 0x00020000
- TRIGGER_TYPE_PRI_DB_FAIL 0x00040000



- TRIGGER_TYPE_PRI_DB_RES_OP 0x00080000

Enumerations

Job states

- JOB_PENDING 0
- JOB_RUNNING 1
- JOB_SUSPENDED 2
- JOB_COMPLETE 3
- JOB_CANCELLED 4
- JOB_FAILED 5
- JOB_TIMEOUT 6
- JOB_NODE_FAIL 7
- JOB_PREEMPTED 8
- JOB_BOOT_FAIL 9
- JOB_END 10

Job state reason

- WAIT_NO_REASON 0
- WAIT_PRIORITY 1
- WAIT_DEPENDENCY 2
- WAIT_RESOURCES 3
- WAIT_PART_NODE_LIMIT 4
- WAIT_PART_TIME_LIMIT 5
- WAIT_PART_DOWN 6
- WAIT_PART_INACTIVE 7
- WAIT_HELD 8
- WAIT_TIME 9
- WAIT_LICENSES 10
- WAIT_ASSOC_JOB_LIMIT 11
- WAIT_ASSOC_RESOURCE_LIMIT 12
- WAIT_ASSOC_TIME_LIMIT 13
- WAIT_RESERVATION 14
- WAIT_NODE_NOT_AVAIL 15
- WAIT_HELD_USER 16
- WAIT_TBD2 17
- FAIL_DOWN_PARTITION 18
- FAIL_DOWN_NODE 19
- FAIL_BAD_CONSTRAINTS 20
- FAIL_SYSTEM 21
- FAIL_LAUNCH 22
- FAIL_EXIT_CODE 23
- FAIL_TIMEOUT 24
- FAIL_INACTIVE_LIMIT 25
- FAIL_ACCOUNT 26



- FAIL_QOS 27
- WAIT_QOS_THRES 28

Job account types

- JOB_START 0
- JOB_STEP 1
- JOB_SUSPEND 2
- JOB_TERMINATED 3

Job Condition Flags

- JOBCOND_FLAG_DUP 0x00000001
- JOBCOND_FLAG_NO_STEP 0x00000002
- JOBCOND_FLAG_NO_TRUNC 0x00000004
- JOBCOND_FLAG_RUNAWAY 0x00000008
- JOBCOND_FLAG_WHOLE_HETJOB 0x00000010
- JOBCOND_FLAG_NO_WHOLE_HETJOB 0x00000020

Select jobdata type

- SELECT_JOBDATA_GEOMETRY 0
- SELECT_JOBDATA_ROTATE 1
- SELECT_JOBDATA_CONN_TYPE 2
- SELECT_JOBDATA_BLOCK_ID 3
- SELECT_JOBDATA_NODES 4
- SELECT_JOBDATA_IONODES 5
- SELECT_JOBDATA_NODE_CNT 6
- SELECT_JOBDATA_ALTERED 7
- SELECT_JOBDATA_BLRTS_IMAGE 8
- SELECT_JOBDATA_LINUX_IMAGE 9
- SELECT_JOBDATA_MLOADER_IMAGE 10
- SELECT_JOBDATA_RAMDISK_IMAGE 11
- SELECT_JOBDATA_REBOOT 12
- SELECT_JOBDATA_RESV_ID 13
- SELECT_JOBDATA_PTR 14

Select nodedata type

- SELECT_NODEDATA_SUBCNT 2
- SELECT_NODEDATA_PTR 5

Select print mode

- SELECT_PRINT_HEAD 0
- SELECT_PRINT_DATA 1
- SELECT_PRINT_MIXED 2
- SELECT_PRINT_MIXED_SHORT 3
- SELECT_PRINT_BG_ID 4
- SELECT_PRINT_NODES 5
- SELECT_PRINT_CONNECTION 6



- SELECT_PRINT_ROTATE 7
- SELECT_PRINT_GEOMETRY 8
- SELECT_PRINT_START 9
- SELECT_PRINT_BLRTS_IMAGE 10
- SELECT_PRINT_LINUX_IMAGE 11
- SELECT_PRINT_MLOADER_IMAGE 12
- SELECT_PRINT_RAMDISK_IMAGE 13
- SELECT_PRINT_REBOOT 14
- SELECT_PRINT_RESV_ID 15

Select node cnt

- SELECT_GET_NODE_SCALING 0
- SELECT_GET_NODE_CPU_CNT 1
- SELECT_GET_BP_CPU_CNT 2
- SELECT_APPLY_NODE_MIN_OFFSET 3
- SELECT_APPLY_NODE_MAX_OFFSET 4
- SELECT_SET_NODE_CNT 5
- SELECT_SET_BP_CNT 6

Jobacct data type

- JOBACCT_DATA_TOTAL 0
- JOBACCT_DATA_PIPE 1
- JOBACCT_DATA_RUSAGE 2
- JOBACCT_DATA_MAX_VSIZE 3
- JOBACCT_DATA_MAX_VSIZE_ID 4
- JOBACCT_DATA_TOT_VSIZE 5
- JOBACCT_DATA_MAX_RSS 6
- JOBACCT_DATA_MAX_RSS_ID 7
- JOBACCT_DATA_TOT_RSS 8
- JOBACCT_DATA_MAX_PAGES 9
- JOBACCT_DATA_MAX_PAGES_ID 10
- JOBACCT_DATA_TOT_PAGES 11
- JOBACCT_DATA_MIN_CPU 12
- JOBACCT_DATA_MIN_CPU_ID 13
- JOBACCT_DATA_TOT_CPU 14

TRES Records

- TRES_CPU 1
- TRES_MEM 2
- TRES_ENERGY 3
- TRES_NODE 4
- TRES_BILLING 5
- TRES_FS_DISK 6
- TRES_VMEM 7



- TRES_PAGES 8

Task distribution

- SLURM_DIST_CYCLIC 1
- SLURM_DIST_BLOCK 2
- SLURM_DIST_ARBITRARY 3
- SLURM_DIST_PLANE 4
- SLURM_DIST_CYCLIC_CYCLIC 5
- SLURM_DIST_CYCLIC_BLOCK 6
- SLURM_DIST_BLOCK_CYCLIC 7
- SLURM_DIST_BLOCK_BLOCK 8
- SLURM_NO_LLLP_DIST 9
- SLURM_DIST_UNKNOWN 10

CPU bind type

- CPU_BIND_VERBOSE 0x01
- CPU_BIND_TO_THREADS 0x02
- CPU_BIND_TO_CORES 0x04
- CPU_BIND_TO_SOCKETS 0x08
- CPU_BIND_TO_LDOMS 0x10
- CPU_BIND_NONE 0x20
- CPU_BIND_RANK 0x40
- CPU_BIND_MAP 0x80
- CPU_BIND_MASK 0x100
- CPU_BIND_LDRANK 0x200
- CPU_BIND_LDMAP 0x400
- CPU_BIND_LDMASK 0x800
- CPU_BIND_CPUSETS 0x8000

Memory bind type

- MEM_BIND_VERBOSE 0x01
- MEM_BIND_NONE 0x02
- MEM_BIND_RANK 0x04
- MEM_BIND_MAP 0x08
- MEM_BIND_MASK 0x10
- MEM_BIND_LOCAL 0x20

Node state

- NODE_STATE_UNKNOWN 0
- NODE_STATE_DOWN 1
- NODE_STATE_IDLE 2
- NODE_STATE_ALLOCATED 3
- NODE_STATE_ERROR 4
- NODE_STATE_MIXED 5
- NODE_STATE_FUTURE 6



- NODE_STATE_END 7

Ctx keys

- SLURM_STEP_CTX_STEPID 0
- SLURM_STEP_CTX_TASKS 1
- SLURM_STEP_CTX_TID 2
- SLURM_STEP_CTX_RESP 3
- SLURM_STEP_CTX_CRED 4
- SLURM_STEP_CTX_SWITCH_JOB 5
- SLURM_STEP_CTX_NUM_HOSTS 6
- SLURM_STEP_CTX_HOST 7
- SLURM_STEP_CTX_JOBID 8
- SLURM_STEP_CTX_USER_MANAGED_SOCKETS 9

head2 SLURM ERRNO

Defined macro error values

- SLURM_SUCCESS 0
- SLURM_ERROR −1

General Message error codes

- SLURM_UNEXPECTED_MSG_ERROR 1000
- SLURM_COMMUNICATIONS_CONNECTION_ERROR 1001
- SLURM_COMMUNICATIONS_SEND_ERROR 1002
- SLURM_COMMUNICATIONS_RECEIVE_ERROR 1003
- SLURM_COMMUNICATIONS_SHUTDOWN_ERROR 1004
- SLURM_PROTOCOL_VERSION_ERROR 1005
- SLURM_PROTOCOL_IO_STREAM_VERSION_ERROR 1006
- SLURM_PROTOCOL_AUTHENTICATION_ERROR 1007
- SLURM_PROTOCOL_INSANE_MSG_LENGTH 1008
- SLURM_MPI_PLUGIN_NAME_INVALID 1009
- SLURM_MPI_PLUGIN_PRELAUNCH_SETUP_FAILED 1010
- SLURM_PLUGIN_NAME_INVALID 1011
- SLURM_UNKNOWN_FORWARD_ADDR 1012

communication failures to/from slurmctld

- SLURMCTLD_COMMUNICATIONS_CONNECTION_ERROR 1800
- SLURMCTLD_COMMUNICATIONS_SEND_ERROR 1801
- SLURMCTLD_COMMUNICATIONS_RECEIVE_ERROR 1802
- SLURMCTLD_COMMUNICATIONS_SHUTDOWN_ERROR 1803

_info.c/communication layer RESPONSE_SLURM_RC message codes

- SLURM_NO_CHANGE_IN_DATA 1900

slurmctld error codes

- ESLURM_INVALID_PARTITION_NAME 2000
- ESLURM_DEFAULT_PARTITION_NOT_SET 2001
- ESLURM_ACCESS_DENIED 2002



- ESLURM_JOB_MISSING_REQUIRED_PARTITION_GROUP 2003
- ESLURM_REQUESTED_NODES_NOT_IN_PARTITION 2004
- ESLURM_TOO_MANY_REQUESTED_CPUS 2005
- ESLURM_INVALID_NODE_COUNT 2006
- ESLURM_ERROR_ON_DESC_TO_RECORD_COPY 2007
- ESLURM_JOB_MISSING_SIZE_SPECIFICATION 2008
- ESLURM_JOB_SCRIPT_MISSING 2009
- ESLURM_USER_ID_MISSING 2010
- ESLURM_DUPLICATE_JOB_ID 2011
- ESLURM_PATHNAME_TOO_LONG 2012
- ESLURM_NOT_TOP_PRIORITY 2013
- ESLURM_REQUESTED_NODE_CONFIG_UNAVAILABLE 2014
- ESLURM_REQUESTED_PART_CONFIG_UNAVAILABLE 2015
- ESLURM_NODES_BUSY 2016
- ESLURM_INVALID_JOB_ID 2017
- ESLURM_INVALID_NODE_NAME 2018
- ESLURM_WRITING_TO_FILE 2019
- ESLURM_TRANSITION_STATE_NO_UPDATE 2020
- ESLURM_ALREADY_DONE 2021
- ESLURM_INTERCONNECT_FAILURE 2022
- ESLURM_BAD_DIST 2023
- ESLURM_JOB_PENDING 2024
- ESLURM_BAD_TASK_COUNT 2025
- ESLURM_INVALID_JOB_CREDENTIAL 2026
- ESLURM_IN_STANDBY_MODE 2027
- ESLURM_INVALID_NODE_STATE 2028
- ESLURM_INVALID_FEATURE 2029
- ESLURM_INVALID_AUTHTYPE_CHANGE 2030
- ESLURM_INVALID_CHECKPOINT_TYPE_CHANGE 2031
- ESLURM_INVALID_SCHEDTYPE_CHANGE 2032
- ESLURM_INVALID_SELECTTYPE_CHANGE 2033
- ESLURM_INVALID_SWITCHTYPE_CHANGE 2034
- ESLURM_FRAGMENTATION 2035
- ESLURM_NOT_SUPPORTED 2036
- ESLURM_DISABLED 2037
- ESLURM_DEPENDENCY 2038
- ESLURM_BATCH_ONLY 2039
- ESLURM_TASKDIST_ARBITRARY_UNSUPPORTED 2040
- ESLURM_TASKDIST_REQUIRES_OVERCOMMIT 2041
- ESLURM_JOB_HELD 2042
- ESLURM_INVALID_CRED_TYPE_CHANGE 2043



- ESLURM_INVALID_TASK_MEMORY 2044
- ESLURM_INVALID_ACCOUNT 2045
- ESLURM_INVALID_PARENT_ACCOUNT 2046
- ESLURM_SAME_PARENT_ACCOUNT 2047
- ESLURM_INVALID_LICENSES 2048
- ESLURM_NEED_RESTART 2049
- ESLURM_ACCOUNTING_POLICY 2050
- ESLURM_INVALID_TIME_LIMIT 2051
- ESLURM_RESERVATION_ACCESS 2052
- ESLURM_RESERVATION_INVALID 2053
- ESLURM_INVALID_TIME_VALUE 2054
- ESLURM_RESERVATION_BUSY 2055
- ESLURM_RESERVATION_NOT_USABLE 2056
- ESLURM_INVALID_WCKEY 2057
- ESLURM_RESERVATION_OVERLAP 2058
- ESLURM_PORTS_BUSY 2059
- ESLURM_PORTS_INVALID 2060
- ESLURM_PROLOG_RUNNING 2061
- ESLURM_NO_STEPS 2062
- ESLURM_INVALID_BLOCK_STATE 2063
- ESLURM_INVALID_BLOCK_LAYOUT 2064
- ESLURM_INVALID_BLOCK_NAME 2065
- ESLURM_INVALID_QOS 2066
- ESLURM_QOS_PREEMPTION_LOOP 2067
- ESLURM_NODE_NOT_AVAIL 2068
- ESLURM_INVALID_CPU_COUNT 2069
- ESLURM_PARTITION_NOT_AVAIL 2070
- ESLURM_CIRCULAR_DEPENDENCY 2071
- ESLURM_INVALID_GRES 2072
- ESLURM_JOB_NOT_PENDING 2073

switch specific error codes specific values defined in plugin module

- ESLURM_SWITCH_MIN 3000
- ESLURM_SWITCH_MAX 3099
- ESLURM_JOBCOMP_MIN 3100
- ESLURM_JOBCOMP_MAX 3199
- ESLURM_SCHED_MIN 3200
- ESLURM_SCHED_MAX 3299

slurmd error codes

- ESLURMD_PIPE_ERROR_ON_TASK_SPAWN 4000
- ESLURMD_KILL_TASK_FAILED 4001
- ESLURMD_KILL_JOB_ALREADY_COMPLETE 4002



- ESLURMD_INVALID_ACCT_FREQ 4003
- ESLURMD_INVALID_JOB_CREDENTIAL 4004
- ESLURMD_UID_NOT_FOUND 4005
- ESLURMD_GID_NOT_FOUND 4006
- ESLURMD_CREDENTIAL_EXPIRED 4007
- ESLURMD_CREDENTIAL_REVOKED 4008
- ESLURMD_CREDENTIAL_REPLAYED 4009
- ESLURMD_CREATE_BATCH_DIR_ERROR 4010
- ESLURMD_MODIFY_BATCH_DIR_ERROR 4011
- ESLURMD_CREATE_BATCH_SCRIPT_ERROR 4012
- ESLURMD_MODIFY_BATCH_SCRIPT_ERROR 4013
- ESLURMD_SETUP_ENVIRONMENT_ERROR 4014
- ESLURMD_SHARED_MEMORY_ERROR 4015
- ESLURMD_SET_UID_OR_GID_ERROR 4016
- ESLURMD_SET_SID_ERROR 4017
- ESLURMD_CANNOT_SPAWN_IO_THREAD 4018
- ESLURMD_FORK_FAILED 4019
- ESLURMD_EXECVE_FAILED 4020
- ESLURMD_IO_ERROR 4021
- ESLURMD_PROLOG_FAILED 4022
- ESLURMD_EPILOG_FAILED 4023
- ESLURMD_SESSION_KILLED 4024
- ESLURMD_TOOMANYSTEPS 4025
- ESLURMD_STEP_EXISTS 4026
- ESLURMD_JOB_NOTRUNNING 4027
- ESLURMD_STEP_SUSPENDED 4028
- ESLURMD_STEP_NOTSUSPENDED 4029
- ESLURMD_INVALID_SOCKET_NAME_LEN 4030

slurmd errors in user batch job

- ESCRIPT_CHDIR_FAILED 4100
- ESCRIPT_OPEN_OUTPUT_FAILED 4101
- ESCRIPT_NON_ZERO_RETURN 4102

socket specific Slurm communications error

- SLURM_PROTOCOL_SOCKET_IMPL_ZERO_RECV_LENGTH 5000
- SLURM_PROTOCOL_SOCKET_IMPL_NEGATIVE_RECV_LENGTH 5001
- SLURM_PROTOCOL_SOCKET_IMPL_NOT_ALL_DATA_SENT 5002
- ESLURM_PROTOCOL_INCOMPLETE_PACKET 5003
- SLURM_PROTOCOL_SOCKET_IMPL_TIMEOUT 5004
- SLURM_PROTOCOL_SOCKET_ZERO_BYTES_SENT 5005

slurm_auth errors

- ESLURM_AUTH_CRED_INVALID 6000



- ESLURM_AUTH_FOPEN_ERROR 6001
- ESLURM_AUTH_NET_ERROR 6002
- ESLURM_AUTH_UNABLE_TO_SIGN 6003

accounting errors

- ESLURM_DB_CONNECTION 7000
- ESLURM_JOBS_RUNNING_ON_ASSOC 7001
- ESLURM_CLUSTER_DELETED 7002
- ESLURM_ONE_CHANGE 7003

SEE ALSO

Slurm

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