Task History API

This article expands information needed to use the Task History SOAP API. Below you can find the valid values for

- Log Levels
- Log Message Source
- Task States
- Task Types

Manipulating Task Log Messages

com.r1soft.backup.server.api.group.Group	Methods/properties for Group objects
com.r1soft.backup.server.api.agent.GroupAgentPermission	Methods/properties that a group has on an agent
com.r1soft.backup.server.api.group.GroupService	Methods for manipulating Group(s)
com.r1soft.backup.server.api.taskhistory.LogMessage	Methods/properties for manipulating a Task Log Message
com.r1soft.backup.server.api.configuration.MemoryStatistics	Methods/properties to get memory statistics
com.r1soft.backup.server.api.OperationFailedFault	API operation failed, an error occurred while performing the API operation
com.r1soft.backup.server.api.policy.Policy	Properties for manipulating policy data
com.r1soft.backup.server.api.policy.PolicyService	Methods for manipulating Data Protection Policies

The `com.r1soft.backup.server.api.taskhistory.LogMessage` class contains methods and properties for manipulating a Task Log Message. Some of the methods are:

- **`getMessageSource ()`** - Returns the Source of the Log Message.
- **`setMessageSource (LogMessageSource messageSource)`** - Sets the Source of the Log Message. Log Message Sources can be as follows:
  - SERVER - Indicates a message that originated on the CDP server.
  - AGENT - Indicates a message that originated on the CDP agent.
- **`getMessageLevel ()`** - Returns the Log Level of the Message.
- **`setMessageLevel (LogLevel messageLevel)`** - Sets the Log Level of the Message. Log Levels can be as follows:
  - INFO - Indicates a message that is informational in nature.
  - WARNING - Indicates a message that warns about an issue.
  - SEVERE - Indicates a message that describes an error condition.

See also Viewing Log Messages.

Manipulating Task History

com.r1soft.backup.server.api.taskhistory.TaskExecutionContext	Methods/properties for manipulating a TaskExecutionContext
com.r1soft.backup.server.api.configuration.TaskExecutionPoolInformation	Methods/properties to get task execution pool
com.r1soft.backup.server.api.taskhistory.TaskHistoryService	Methods for manipulating Task History
com.r1soft.backup.server.api.configuration.TaskSchedulerStatistics	Methods/properties to get task execution statistics
com.r1soft.backup.server.api.UnknownObjectFault	API operation failed, an object was not found on the server
com.r1soft.backup.server.api.user.User	Methods/properties for User objects

The `com.r1soft.backup.server.api.taskhistory.TaskHistoryService` class contains methods for manipulating Task History. Some of the methods are:

- **`getTaskExecutionContextIDsByLogLevels (@WebParam(name="logLevels") List< LogLevel > logLevels) throws AccessControlFault, OperationFailedFault`** - Gets a List(UUID) of Task Execution Context IDs filtered by Task State. Task States can be as follows:
  - FINISHED - Indicates that a task has completed successfully.
  - RUNNING - Indicates that a task is currently running.
  - QUEUED - Indicates that a task is queued, waiting to be run.
  - CANCELLED - Indicates that a task was cancelled.
  - ERROR - Indicates that the task has completed with errors.
  - DUPLICATE - Indicates that the task was a duplicate of a running task.
- **`getTaskExecutionContextIDsByTaskType ( @WebParam(name="taskTypes") List< TaskType >taskTypes ) throws AccessControlFault, OperationFailedFault`** - Gets a List(UUID) of Task Execution Context IDs filtered by Task Type. Task Types can be as follows:
  - DATA_PROTECTION_POLICY - Indicates the task was a Data Protection Policy Task.
  - FILE_RESTORE_TASK - Indicates the task was a File Restore Task.
  - MERGE_RECOVERY_POINTS - Indicates the task was a Merge Recovery Points Task.
  - VACUUM - Indicates the task was a Vacuum Task.
  - DATABASE_RESTORE - Indicates the task was a Database Restore Task.
  - BARE_METAL_RESTORE - Indicates the task was a Bare Metal Restore Task.
  - EMAIL_REPORTING - Indicates the task was an Email Reporting Task.
  - ARCHIVE - Indicates the task was an Archive Task.
  - DELETE_ARCHIVE_POINTS - Indicates the task was a Delete Archive Points Task.
  - STREAM_CONTROL_PANEL_USERS_ARCHIVE- Indicates the task was a Stream Control Panel Users Task.
  - TASK_HISTORY_CLEAN_UP - Indicates the task was a Task History Clean-up Task.

See also Accessing Task History. See more information about Task History in Task History.