Client Side

Config SimulationUtilities +ROOT PATH: str Worker +UP FOLDER: str ConnectionHandler +RECEIVED FILES DIR: str +finished: pyqtSignal +mongo_client: MongoClient +task_collection: Collection +servers: list +db1: Database +determine_task_size(data_path) +task_server_indexer: dict +task_collection1: Collection Uses +db2: Database +run() +task_collection2: Collection +populate_indexer() +get task indexer keys() +is_server_on(server_url) +decide server() ArtifactoryUtilities Uses +get_task_queue() Uses +add_task(file_path, tool_version) +ARTIFACTORY_PATH: ArtifactoryPath +get_task_status(task_id) +download_file(task_id, save_path) Uses +get_tool_versions() +is_valid_version(version) SimulationRunner Server +results_directory: str +app: Flask +task_queue: TaskQueue +create_results_dir(param_path) Uses +search_for_rdb() +is_on() +build_exe_path(version) +add_task() +build_param_path(path) GUI +get_task_queue() +open_and_extract_zip(path, task_id) +get_task_status() +run stools sim(exe path, +BASE URL: str +download_file() parameter_path) +TASKS URL: str +start(task) +STATUS_URL: str +FILES URL: str MainApp +VERSIONS URL: str +ARTIFACTORY PATH: ArtifactoryPath Dependency Composition +get_crash_count(data_path) Uses +determine_task_size(crash_count) +add_task() +get tool versions() +get_task_status() +download_file() +is_busy() +get_task_queue() +display_data_path_warning() Task +add task() TaskManager +upload_data() Utils +start time: datetime +send data() +end time: datetime +version_changed(index) +task collection: Collection +user: str +pool: QThreadPool Uses +data_path: str +active_tasks: set Composition +result_path: str Inheritance +check_for_interrupted_tasks(task_collection) +version: str +create_zip_from_result(results_dir) +size: str +start_task() +download tool(version) +status: str +task_done(task_id) +create tool dir(version) +manage_tasks() +set_start_time()

Server Side