

# STD Integration Framework

- Single Pipeline Approach

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## Workflow - Single Pipeline Approach

1. Single Pipeline Approach is the **procedural** scripting.
2. Every workflow has only **one (1) task of** `main` function which is registered and started in the celery
3. `main` function
  1. **Registered as a task**
  2. `main(self, task_name="main", *args, **kwargs) -> (status:str, err_msgs:list[str], data:object)`
  3. the function intended to **define the sequence of the functions** for execution.
  4. has the access to **credentials**
  5. receives the **payload**
  6. must **verify that the payload** provided is correct: right types and values, all **other functions assume that payload is correct**
4. `other` functions Import Pipeline - Miro
  1. assume the **payload is correct**
  2. **other arguments are not guaranteed to be valid**
  3. **Every** `other(self, task_name, *args, **kwargs) -> (status:str, err_msgs:list[str], data:object)`
5. **Create of the new entities** MUST be done **through platforms tasks**
6. All network related, resource concurrent or security dependent **operations that may have systematic execution errors MUST use try\_retry decorator**
7. **Errors must be collected** through ALL execution of the steps in main and **be handled to Notifications.**
8. `status` for function must be from `["success", "error"]`
9. `err_msgs` for function ...