# XINA Struct Report

The XINA Struct Report command line utility generates Export and Trend tasks for Profiles and Trend Definitions that are configured to auto generate. It can also optionally generate the XINA Report Email Task. The Export tasks will export the a days worth of data and the Trend tasks will use the time ranges or intervals as configured in the Trend Definition. By default, it will generate reports for the day before the task's creation time. The most common use case is to create the XINA Report Task (xina_struct_report) using XINA's internal cron system once per day.

## Arguments

| Name | Req | Description | Default |
|---|---|---|---|
| cache | | Cache directory path. Used for any persistent caching across tasks for optimization purposes. | |
| conf | ? | File path to the JSON config containing the report parameters. | |
| env | ? | File path to the JSON environment file which defines environment parameters such as project specific paths. | |
| help | | Print available options. | |
| host | | XINA Tunnel host. | `"localhost"` |
| port | | XINA Tunnel port. | `41746` |
| import | ? | Import directory path. Files that need to be imported will be placed here. | |
| log | ? | File path that log events will be written to. | |
| out | ? | Ouptut directory path. Files placed here will be uploaded and accessible directly from the Task interface (e.g. notifications panel). | |
| post | ? | Post directory path (for post-import outputs) e.g. uploading log files to the Task record. | |
| task | ? | File path to the JSON file containing info about the Task. | |
| temp | ? | Temp directory path for storing temporary files during execution. | |

## conf

The below table describes the available fields in the `conf` JSON file.

| Name | Type | Req | Description | Default |
|---|---|---|---|---|
| model | `utf8text` | ? | Path of model to generate Export and Trend tasks for e.g. "moma.fm" | |
| email | `boolean` | | If true, the report email task will be generated | true |
| date | `utf8text` | | Generates the report for the given date/day. Supports 2 formats: YYYY-MM-DD (e.g. 2020-10-25) and YYYY-DOY (e.g. 2025-300). | Generates report for the day before the task creation time. |

**Example conf:**

```
{
  "model": "pace.ops_pace",
  "email": true,
  "date": "2024-01-30"
}
```

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