

# CADE - Hap Generated Files

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In this folder is 3 subfolders with example data files from Hap and files generated from hap logs.

## Social Platform Files

File(s) in the `social_platform_files` folder are generated when the Hap agent sends acts that are meant to simulate posts to things like facebook and twitter.

Each line has a json object with this format:

```
{
  "id":"16542744318510.000032", // ID for data
  "platform":"tweeter",        // platform the data is from
  "type":"post",               // type of data on platform
  "location":"ip_or_geo",      // Origin IP or geolocation
  "content":"Hello Followers! #newtotweeter", // what was written in the post
  "metadata":                  // other detail on the social media data
  {
    // metadata fields can be specific to
    platform/type
    "tags": ["#newtotweeter"], // tags on data, could also be @'s, etc.
    "views":1,
    "shares":2,
    "likes":24,
    "popularity":0.1
  }
}
```

## Hap ABT Trace Files

File(s) in the `abt_trace_logs` folder are generated when the Hap agent runs. This is a log of the behavior tree of the agent as it runs. This is used to generate the cade analysis files

Each line has a json object with this format:

```
{
  "timestep":2, // time step of agent
  "time_utc":"2022-06-10T18:11:58.623Z", // UTC time of step
  "id":"356648b6-6b1c-4a2c-9ce5-c3028e36d6fd", // agent id
  "name":"cade_multirun_campaigns_02_1", // agent name
  "globals":[ // agent global variables
    {"organization_id":""},
    {"maxLoops":"15"},
    {"curLoop":""},
    {"audience":""},
    {"observed_success":""}
  ],
  "node_tree":{ // top level node in agent behavior
```

```

tree
  "uuid": "81ad7e45-9f4a-44e4-8936-6b30e8dc24c9",
  "name": "cade_multirun_campaigns_02_1",
  "type": "ABTRoot",
  "status": "active",
  "details": {
    "depth": 0,
    "parent": "none",
    "state": "THOUGHT"
  },
  "subnodes": [] // any subnodes in tree would be
nested here
}

```

## CADE ABT Analysis Files

File(s) in the `cade_abt_analysis` folder are created by running a tool over a `abt_trace_logs` file. The output is something the web frontend can load in. This should match the scenario file format for the current frontend.

Each line has a json object with this format:

```

{
  "id": "cade_multirun_campaigns_0",
  "actors": [
    {
      "id": "1f52fae9-9d80-4998-b9c4-ea030b075bb1",
      "ip_address": "000.0.0.0",
      "latitude": 0,
      "longitude": 0,
      "username": "Data_Actor"
    }
  ],
  "metadata": { // Frontend data
    "dimensions": {
      "x": {
        "min": 0,
        "max": 1000
      },
      "y": {
        "min": 0,
        "max": 1000
      }
    }
  },
  "nodes": [
    {
      "actor": "example_actor",
      "children": [],
      "id": "2c364e03-512d-46e1-a76d-75a10180877d",

```

```
    "label": "Run_All_Campaigns_1_MentalAction",
    "parent": "a2fd8a85-8020-4f59-b415-cfc92a156ab2",
    "type": "ABTMentalAction",
    "probability": 1,
    "x": 0,           // Frontend data
    "y": 0,           // Frontend data
    "z": 12,          // Frontend data
    "opacity": 1,     // Frontend data
    "isSelected": false // Frontend data
  }
]
```

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