

```
import uuid
```

```
from pydantic import BaseModel
```

```
from typing import Optional, Sequence, Dict, List
```

```
swarm_id = uuid.uuid4()
```

```
class AutoSwarmSchemaResponse(BaseModel):
```

```
    """
```

```
    Represents the schema for an auto swarm.
```

```
    Attributes:
```

```
        id (str): The ID of the swarm.
```

```
        api_key (Optional[str]): The API key for the swarm.
```

```
        swarm_name (Optional[str]): The name of the swarm.
```

```
        num_of_agents (Optional[int]): The number of agents in the swarm.
```

```
        messages (Optional[Dict[str, str]]): The messages for the swarm.
```

```
        num_loops (Optional[int]): The number of loops for the swarm.
```

```
        streaming (Optional[bool]): Indicates if the swarm is streaming.
```

```
        tasks (Optional[Sequence[str]]): The tasks for the swarm.
```

```
        max_tokens (Optional[int]): The maximum number of tokens for the swarm.
```

```
        documents (Optional[Sequence[str]]): The documents for the swarm.
```

```
        response_format (Optional[str]): The response format for the swarm.
```

```
        stopping_token (Optional[List[str]]): The stopping tokens for the swarm.
```

```
        number_of_choices (Optional[int]): The number of choices for the swarm.
```

```
    """
```

id: str = str(swarm_id)

api_key: Optional[str] = None

swarm_name: Optional[str] = None

num_of_agents: Optional[int] = None

messages: Optional[Dict[str, str]] = None

num_loops: Optional[int] = 1

streaming: Optional[bool] = False

tasks: Optional[Sequence[str]] = None

max_tokens: Optional[int] = 32096

documents: Optional[Sequence[str]] = None

response_format: Optional[str] = None

stopping_token: Optional[List[str]] = []

n: Optional[int] = 1

```
class AutoSwarmResponse(BaseModel):
```

```
    """
```

Represents the response for an auto swarm.

Attributes:

id (str): The ID of the auto swarm.

swarm_name (Optional[str]): The name of the auto swarm (optional).

num_of_agents (Optional[int]): The number of agents in the auto swarm (optional).

messages (Optional[Dict[str, str]]): Additional messages related to the auto swarm (optional).

num_loops (Optional[int]): The number of loops to run the auto swarm (optional, default: 1).

streaming (Optional[bool]): Indicates if the auto swarm should be streamed (optional, default: False).

tasks (Optional[Sequence[str]]): The tasks to be performed by the auto swarm (optional).

max_tokens (Optional[int]): The maximum number of tokens to generate for each task (optional).

response_format (Optional[str]): The format of the response (optional).

stopping_token (Optional[List[str]]): The stopping token(s) for each task (optional).

number_of_choices (Optional[int]): The number of choices to generate for each task (optional, default: 1).

"""

id: str

swarm_name: Optional[str] = None

num_of_agents: Optional[int] = None

messages: Optional[Dict[str, str]] = None

num_loops: Optional[int] = 1

streaming: Optional[bool] = False

tasks: Optional[Sequence[str]] = None

max_tokens: Optional[int] = None

response_format: Optional[str] = None

stopping_token: Optional[List[str]] = None

number_of_choices: Optional[int] = 1