

# msaUtils Module

## .healthcheck

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### Classes

#### MSAHealthCheck

Bases: `Thread`

##### Attributes

`error` instance-attribute

```
error: str = ''
```

`healthy` instance-attribute

```
healthy: str = 'No Healthcheck executed yet:400'
```

`interval` instance-attribute

```
interval = healthdefinition.interval
```

`is_healthy` instance-attribute

```
is_healthy: bool = False
```

`url` instance-attribute

```
url = 'http://{host}:{port}/'.format(host, port)
```

##### Functions

`__init__`

```

__init__(
    healthdefinition: MSAHealthDefinition,
    host: str,
    port: int,
)

```

MSAHealthCheckObject, provides a thread to give a healthcheck.

PARAMETER	DESCRIPTION
<code>healthdefinition</code>	The MSAHealthDefinition instance <b>TYPE:</b> <code>MSAHealthDefinition</code>
<code>host</code>	IP/URI to call the healthcheck endpoint <b>TYPE:</b> <code>str</code>
<code>port</code>	Port of the healthcheck endpoint server listener/endpoint <b>TYPE:</b> <code>int</code>

### get\_health async

```
get_health() -> str
```

Get the last health check result

The string is "positiv: status\_code" or "negative: status\_code"

### run

```
run()
```

Run the Healthcheck Thread

Sleeps by the interval provided by the MSAHealthDefinition.

Uses httpx to call the healthcheck endpoint which is `http://{host}:{port}/`.format(host, port)

Any `200 <= response.status_code < 300` is healthy, rest is not healthy

### stop async

```
stop()
```

Stops the Healthcheck Thread.

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