
{{cookiecutter.project_name}} **Documentation**

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Jan 03, 2020

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Contents:

> Simple server to provide an endpoint used by pact to generate a provider state

1.1 Installation

1. Install the package:

```
pip install pact_state_provider
```

1.2 Client

Entrypoint `pact-state-provider`:

```
Usage: pact-state-provider [OPTIONS]
```

Start the state provider server on the specified host **and** port.

Options:

<code>--base-module TEXT</code>	Module containing the state providers.
<code>--host TEXT</code>	Host for the endpoint. Default: <code>127.0.0.1</code>
<code>--port INTEGER</code>	Port for the endpoint. Default: <code>1235</code>
<code>--log-level TEXT</code>	Log Level Name (DEBUG, INFO, ...). Default: INFO
<code>--help</code>	Show this message and exit.

1.3 TL;DR

Example:

```
$ pact-state-provider --base-module my_provider.states
```

```
$ http http://127.0.0.1:1235 consumer=TestConsumer state="user exists" --json
DEBUG: Importing my_provider.states
DEBUG: Getting function "user_exists"
-> "my_provider.states.user_exists('TestConsumer')" is called
```

1.4 Not Long Enough;Will Read

When verifying contracts with **Pact** a state provider is called for the particular consumer with the state requested. A consumer `TestConsumer` with a contract starting with `given('user exists')` requests the configured endpoint with the payload:

```
{
  'consumer': 'TestConsumer',
  'state': 'user exists'
}
```

In order to execute the specific provider functions without having to implement a dedicated endpoint on the provider or a dedicated application with provider specific code `pact-state-provider` provides a simple http server endpoint which calls an existing module function based on the request payload.

In the given example a function called `user_exists` (invalid characters are translated to underscores) will be executed on the specified base module (`--base-module` parameter).

This gives the user to maintain the state provider code in the actual provider codebase, but easily have an endpoint to use with `pact`.

2.1 1.0.8

- Documentation update

2.2 1.0.7

- Simplify response generation, make logging configurable

2.3 1.0.4

- Silently ignore non existing states

2.4 1.0.0

- Initial version

CHAPTER 3

Indices and tables

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- `modindex`
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