

---

# ovsdbapp Documentation

*Release 1.12.3.dev3*

OpenStack Foundation

Oct 25, 2022

## Contents

<b>1</b>	<b>Installation</b>	<b>1</b>
<b>2</b>	<b>Usage</b>	<b>2</b>
<b>3</b>	<b>Contributing</b>	<b>2</b>

---

A library for creating OVSDB applications

The ovsdbapp library is useful for creating applications that communicate via Open\_vSwitches OVSDB protocol (<https://tools.ietf.org/html/rfc7047>). It wraps the Python ovs and adds an event loop and friendly transactions.

- Free software: Apache license
- Source: <https://opendev.org/openstack/ovsdbapp/>
- Bugs: <https://bugs.launchpad.net/ovsdbapp>

Features:

- An thread-based event loop for using ovs.db.Idl
  - Transaction support
  - Native OVSDB communication
- 

## 1 Installation

At the command line:

```
$ pip install ovsdbapp
```

Or, if you have virtualenvwrapper installed:

```
$ mkvirtualenv ovldbapp
$ pip install ovldbapp
```

## 2 Usage

To use ovldbapp in a project:

```
import ovldbapp
```

## 3 Contributing

If you would like to contribute to the development of OpenStack, you must follow the steps in this page:

<https://docs.openstack.org/infra/manual/developers.html>

If you already have a good understanding of how the system works and your OpenStack accounts are set up, you can skip to the development workflow section of this documentation to learn how changes to OpenStack should be submitted for review via the Gerrit tool:

<https://docs.openstack.org/infra/manual/developers.html#development-workflow>

Pull requests submitted through GitHub will be ignored.

Bugs should be filed on Launchpad, not GitHub:

<https://bugs.launchpad.net/ovldbapp>