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# **aiosnmp**

***Release 0.7.2***

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aiosnmp is an asynchronous SNMP client for use with asyncio.



## INSTALLATION

```
pip install aiosnmp
```





## DOCUMENTATION

<https://aiosnmp.readthedocs.io/en/latest/api.html>



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## CHAPTER THREE

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### NOTICE

Only snmp v2c supported, v3 version is not supported

Oids should be like .1.3.6... or 1.3.6.... iso.3.6... is not supported



## **SOURCE ADDRESS (HOST AND PORT) VALIDATION**

By default, v2c should not validate source addr, but in this library, it is enabled by default. You can disable validation by passing `validate_source_addr=False` to `Snmp`.



**BASIC USAGE**

```
import asyncio
import aiosnmp

async def main():
    async with aiosnmp.Snmp(host="127.0.0.1", port=161, community="public") as snmp:
        for res in await snmp.get(".1.3.6.1.2.1.1.1.0"):
            print(res.oid, res.value)

asyncio.run(main())
```

more in [/examples](#)





**TODO**

- snmp v3 support
- more tests



## LICENSE

aiosnmp is developed and distributed under the MIT license.



## RUN LOCAL TESTS

```
pip install -r requirements-dev.txt  
tox
```



## BEFORE SUBMITTING PR

```
pip install -r requirements-dev.txt  
tox -e format
```

### 9.1 Documentation contents

#### 9.1.1 API Reference

Classes

Exceptions