

---

# **scylla Documentation**

**WildCat**

**May 28, 2018**



<b>1</b>	<b>Get started</b>	<b>3</b>
1.1	Installation . . . . .	3
1.1.1	Install with Docker (highly recommended) . . . . .	3
1.1.2	Install directly via pip . . . . .	3
1.1.3	Install from source . . . . .	3
1.2	Usage . . . . .	4
1.2.1	JSON API . . . . .	4
1.2.2	Web UI . . . . .	5
<b>2</b>	<b>API Documentation</b>	<b>9</b>
<b>3</b>	<b>Roadmap</b>	<b>11</b>
<b>4</b>	<b>Development and Contribution</b>	<b>13</b>
<b>5</b>	<b>Testing</b>	<b>15</b>
<b>6</b>	<b>Naming of This Project</b>	<b>17</b>
<b>7</b>	<b>License</b>	<b>19</b>
<b>8</b>	<b>Indices and tables</b>	<b>21</b>



An intelligent proxy pool for humanities, only supports Python 3.6. Key features:

- Automatic proxy ip crawling and validation
- Easy-to-use JSON API
- Simple but beautiful web-based user interface (eg. geographical distribution of proxies)
- Get started with only **1 command** minimally
- Straightforward programmable API
- Headless browser crawling

For those who prefer to use Chinese, please read the [Chinese Documentation](#)



# CHAPTER 1

---

## Get started

---

## 1.1 Installation

### 1.1.1 Install with Docker (highly recommended)

```
docker run -d -p 8899:8899 -v /var/www/scylla:/var/www/scylla --name scylla wilddcat/  
↪scylla:latest
```

### 1.1.2 Install directly via pip

```
pip install scylla  
scylla --help  
scylla # Run the cralwer and web server for JSON API
```

### 1.1.3 Install from source

```
git clone https://github.com/imWildCat/scylla.git  
cd scylla  
  
pip install -r requirements.txt  
  
npm install # or yarn install  
make build-assets  
  
python -m scylla
```

## 1.2 Usage

This is an example of running a service locally (`localhost`), using port `8899`.

Note: You might have to wait for 1 to 2 minutes in order to wait for the crawler get some proxy ips for the first time you use Scylla.

### 1.2.1 JSON API

#### Proxy IP List

```
http://localhost:8899/api/v1/proxies
```

Optional URL parameters:

Parameters	Default value	Description
page	1	The page number
limit	20	The number of proxies shown on each page
anonymous	any	Show anonymous proxies or not. Possible values <code>true</code> , only anonymous proxies; <code>false</code> , only transparent proxies

Sample result:

```
{
  "proxies": [{
    "id": 3661,
    "ip": "118.114.77.47",
    "port": 8080,
    "is_valid": true,
    "created_at": 1527312259,
    "updated_at": 1527351023,
    "latency": 250.9789636882,
    "stability": 1.0,
    "is_anonymous": true,
    "location": "29.3416,104.7770",
    "organization": "AS4134 CHINANET-BACKBONE",
    "region": "Sichuan",
    "country": "CN",
    "city": "Zigong"
  }, {
    "id": 3657,
    "ip": "39.104.57.121",
    "port": 8080,
    "is_valid": true,
    "created_at": 1527312253,
    "updated_at": 1527351021,
    "latency": 189.1011954867,
    "stability": 0.2,
    "is_anonymous": true,
    "location": null,
    "organization": null,
    "region": null,
    "country": null,
  }
}]
```

(continues on next page)



(continued from previous page)

```
    "city": null
  },
  ...
],
"count": 1025,
"per_page": 20,
"page": 1,
"total_page": 52
}
```

## System Statistics

```
http://localhost:8899/api/v1/stats
```

Sample result:

```
{
  "median": 181.2566407083,
  "valid_count": 1780,
  "total_count": 9528,
  "mean": 174.3290085201
}
```

## 1.2.2 Web UI

Open `http://localhost:8899` in your browser to see the Web UI of this project.

### Proxy IP List

```
http://localhost:8899/
```

Screenshot:

**Proxy IP List**   **Geometric Distribution**   **Statistics**

[Previous page](#)   [Next page](#)

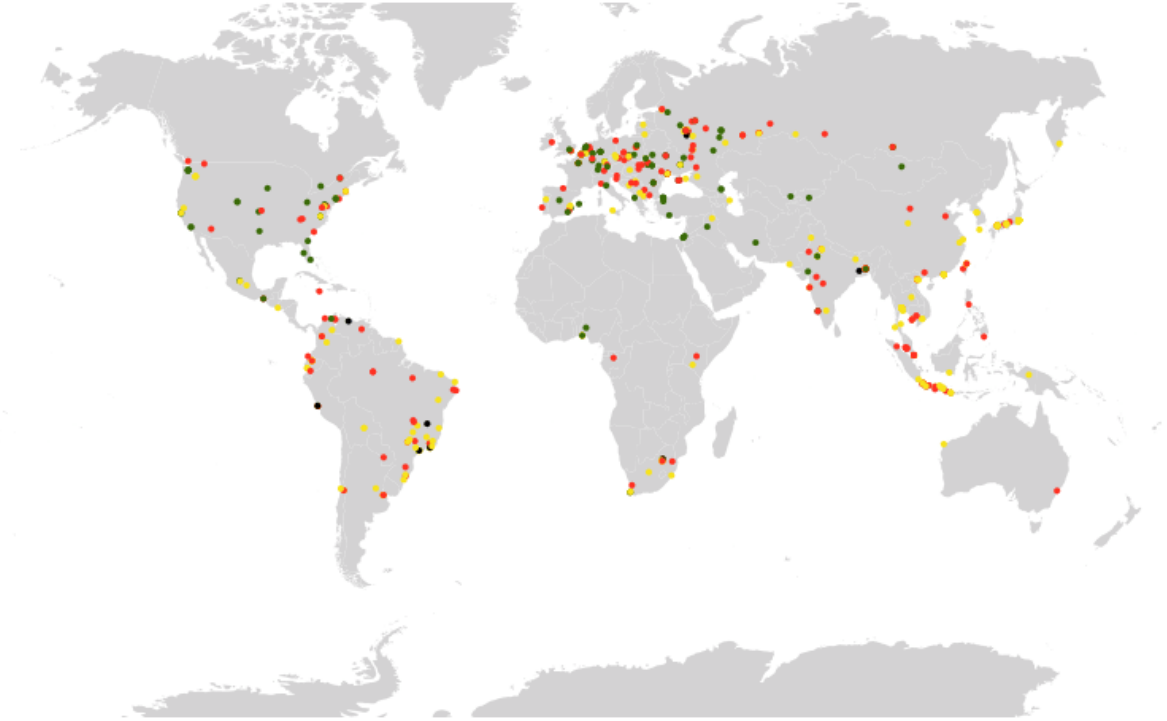
IP	Port	Anonymous	Latency	Updated at
149.202.42.33	80	Yes	1 ms	20180526 16:42:43
51.255.138.248	3128	Yes	10 ms	20180526 16:42:41
182.253.152.68	8080	Yes	270 ms	20180526 16:42:40
109.72.236.28	53281	Yes	50 ms	20180526 16:42:39
89.22.52.3	53281	Yes	40 ms	20180526 16:42:35
176.221.5.191	53281	Yes	43 ms	20180526 16:42:22
217.182.92.162	8472	Yes	429 ms	20180526 16:41:50
163.172.98.25	80	Yes	7 ms	20180526 16:41:49
31.148.177.118	53281	Yes	67 ms	20180526 16:41:47
134.119.223.242	8090	Yes	7 ms	20180526 16:41:41

### Globally Geographical Distribution Map

`http://localhost:8899/#/geo`

Screenshot:

**Proxy IP List**   **Geometric Distribution**   **Statistics**





## CHAPTER 2

---

### API Documentation

---

Please read modindex.



## CHAPTER 3

---

### Roadmap

---

Please see [Projects](#).





## CHAPTER 4

---

### Development and Contribution

---

```
git clone https://github.com/imWildCat/scylla.git
cd scylla

pip install -r requirements.txt

npm install # or `yarn install`
make build-assets
```



## CHAPTER 5

---

### Testing

---

If you wish to run tests locally, the commands are shown below:

```
pip install -r tests/requirements-test.txt
pytest -n 15 tests
```

You are welcomed to add more test cases to this project, increasing the robustness of this project.



## CHAPTER 6

---

### Naming of This Project

---

[Scylla](#) is derived from the name of a group of memory chips in the American TV series, [Prison Break](#). This project was named after this American TV series to pay tribute to it.



## CHAPTER 7

---

### License

---

Apache License 2.0. For more details, please read the [LICENSE](#) file.





## CHAPTER 8

---

### Indices and tables

---

- `genindex`
- `modindex`
- `search`