

# Shodan Quick Reference Guide

## Basic Search Queries

```
port:3389      # RDP servers
port:22        # SSH servers
port:502       # Industrial (Modbus)
port:8291 Mikrotik # Mikrotik routers
port:81 webcam # IP cameras

country:US     # Geographic filter
org:"Microsoft" # Organization filter
http.title:"Login" # HTTP title search
```

## CLI Setup

```
bash

# Install in virtual environment
cd /opt
python3 -m venv shodan-env
source shodan-env/bin/activate
pip install shodan

# Configure
shodan init YOUR_API_KEY
shodan info
```

## Basic CLI Commands

```
bash
```

*# Search with limit*

```
shodan search 'port:3389' --limit 10
```

*# Host information*

```
shodan host 8.8.8.8
```

*# Exit environment*

```
deactivate
```

## Shodan Eye Installation

```
bash
```

```
source shodan-env/bin/activate
```

```
cd /opt
```

```
git clone https://github.com/BullsEye0/shodan-eye.git
```

```
cd shodan-eye
```

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

```
python3 shodan-eye.py
```

## Troubleshooting

- No results? Check API key: `shodan info`
- Use quotes for multi-word terms: `product:"Apache httpd"`
- Reactivate environment: `source /opt/shodan-env/bin/activate`