

Installation & Setup of OIKB

1. Prerequisites

- Python 3.10 or newer
- OpenWebUI 0.9.6 or newer
- Bookstack v25 or newer

2. Installation

2.1. Create Service User

```
sudo useradd --system --no-create-home --shell /usr/sbin/nologin oikb  
sudo mkdir -p /opt/oikb/etc/oikb  
sudo chown oikb:oikb /etc/oikb
```

2.2. Python Environment

```
sudo apt update  
sudo apt install -y python3 python3-venv python3-pip ca-certificates  
sudo python3 -m venv /opt/oikb/venv  
sudo /opt/oikb/venv/bin/pip install --upgrade pip oikb  
sudo chown -R oikb:oikb /opt/oikb
```

2.3 Environment File

Create new File in `/opt/oikb/oikb.env` and paste the following Content in

```
OPEN_WEBUI_URL=https://openwebui.company.com  
OPEN_WEBUI_API_KEY=sk-...
```

```
BOOKSTACK_URL=https://bookstack.company.com
BOOKSTACK_TOKEN_ID=...
BOOKSTACK_TOKEN_SECRET=...
KB_ID_PUBLIC=...
OIKB_API_KEY=...
LOG_FORMAT=json
```

You need to paste in your actual URLs (`OPEN_WEBUI_URI` and `BOOKSTACK_URL`) and your actual API Tokens (`OPEN_WEBUI_API_KEY` and both `BOOKSTACK_TOKEN_ID` and `BOOKSTACK_TOKEN_SECRET`)

Then finish by ensuring correct Permissions

```
sudo chmod 600 /etc/oikb/oikb.env
sudo chown oikb:oikb /etc/oikb/oikb.env
```

2.4 First Init

Load Shell before

```
set -a
source /etc/oikb/oikb.env
set +a
```

then initialize oikb interactively

```
cd /etc/oikb
sudo -u oikb -E env "PATH=/opt/oikb/venv/bin:$PATH" oikb init
```

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