

xMati Child Node App – Installation Guide

Audience: xMati Clients & IT Teams

Purpose: Secure, compliant, self-hosted deployment of xMati Child Node

1. What Is Being Deployed

The **xMati Child node app** is a **self-hosted runtime** that will operate entirely within the your cloud infrastructure/hosting. Once deployed, it enables you to create, edit and run **Bots** while maintaining **full ownership of data, infrastructure, and security controls**.

2. Deployment Location (Client-Owned Infrastructure)

The xMati child node app will be deployed **only on cloud hosting owned and controlled by YOU.**

Options Available

- Existing cloud server (AWS, Azure, GCP, Digital Ocean, etc.)
- New server within the same cloud provider
- New cloud provider (e.g., DigitalOcean)

Note:- The xMati team will assist with deployment for any of the above options.

3. System Requirements

Server Requirements

- **OS:** Ubuntu 20.04 or later (*recommended*)
- **CPU:** 2 vCPU or more
- **RAM:** Minimum 2 GB (*4 GB recommended*)
- **Disk:** 20 GB free space

Network Requirements

- Public IP address
- Inbound access on the application port
- Ports **80** and **443** required for HTTPS

Access

- SSH access with sudo/root privileges
-

4. Deployment

Deployment is performed using an **automated Bash script** provided by us (xMati team).

4.1 Deployment Script

Download the deployment script from:

<https://drive.google.com/file/d/1tRzIcRpG1MDd2yHcK8aaVhLcKZXaDVRu/view>

Download and upload the script to the target server.

4.2 Run the Deployment

Make the script executable:

```
chmod +x xmati_deploy.sh
```

Execute the script:

```
./xmati_deploy.sh
```

```
# OR
```

```
bash xmati_deploy.sh
```

4.3 What the Script Does

The deployment script performs the following actions **in sequence**:

1. Prompts for the port number on which xMati app should run
2. Checks whether Docker is installed
3. Installs Docker if it is not present
4. Starts the Docker daemon if it is not running
5. Pulls the official xMati image from Docker Hub
6. Starts the xMati container and binds it to the selected port

Note: During installation, there may be a temporary downtime of **up to 20–30 minutes** (maximum), depending on server performance.

- Also, you need to run the same script to install **UPDATES** of the xMati app in your server.

4.4 Access After Deployment

Once the script completes successfully, xMati app will be accessible at:

```
http://<SERVER_PUBLIC_IP>:<PORT>
```

Example:

```
http://203.0.113.10:7001
```

At this stage, xMati app is operational in your server, but running over **HTTP**.

5. HTTPS / SSL Configuration (Strongly Recommended)

For security and compliance, xMati app should be exposed over **HTTPS**.

Recommended Approach

- Use a reverse proxy (**NGINX**)
- Terminate SSL at the proxy layer
- Forward traffic internally to:

```
http://localhost:<PORT>
```

SSL certificates can be issued using **Let's Encrypt** and configured for **automatic renewal**.

After SSL setup, xMati app should be accessible via **HTTPS**.

6. Data Security & Compliance Policy

6.1 Hosting Restrictions

xMati team will **not deploy the xMati app on its own hosting platform or cloud** for your usage, but will only be deployment on YOUR cloud hosting.

This rule exists to enforce your xMati bot's **data security and compliance standards**.

6.2 Data Ownership

- All bot data, conversations, configurations, logs, and analytics reside **ONLY on the xMati Child Node App**(*inside the your server*)
- xMati's **mother system does not store, process, or access** your Bot's config or end-user's chat data.

7. Data Stored by xMati Mother (Limited Scope)

For operational and subscription purposes only, xMati's mother system stores your:

- Name
- Phone number
- Email address
- Payment details (*used strictly for billing and auto-renewal only*) during registration.

No bot data or customer conversation data is stored on xMati's mother systems. All such data remains on your **xMati Child Node App**.

8. Architectural Guarantees

This deployment model ensures:

- Full data sovereignty for you
 - Strong isolation between your system and xMati
 - High security and regulatory compliance
 - No vendor access to customer data
-
-

9. Support

The xMati team provides support for:

- Initial deployment
- Docker-related issues
- Deployment troubleshooting