

infrahub.me

Github Repository: <https://github.com/AJprogramming123/OpsCenter>

The screenshot shows the InfraHub website with a dark blue header. The header contains the InfraHub logo with the tagline 'Simplify, Automate, Deploy' and a navigation menu with links for Home, ISOs, Playbooks, Docker Sandbox, AWS Guide, and GitHub. The main content area is white and features three sections: 'About InfraHub', 'Explore Our Tools', and three tool-specific cards. The 'About InfraHub' section describes the platform as a centralized knowledge hub. The 'Explore Our Tools' section lists three tools: Preconfigured ISOs, Ansible Playbooks, and Docker Sandbox, each with a brief description and a 'View' button. A 'Screenshot' button is also visible at the bottom of the Docker Sandbox card.

InfraHub

Simplify, Automate, Deploy

- Home
- ISOs
- Playbooks
- Docker Sandbox
- AWS Guide
- GitHub

About InfraHub

InfraHub is a centralized knowledge hub for IT administrators and developers, providing guidance, best practices, and example workflows for building and managing infrastructure. The platform consolidates lessons learned from preconfigured OS installers, department-specific Ansible playbooks, containerized backend setups, S3 and EC2 workflows, and multi-CDN architectures into a single accessible resource. InfraHub empowers teams to explore secure, reliable, and scalable deployments by learning from real-world examples, reducing trial-and-error, and enabling reproducible setups.

Explore Our Tools

1. Preconfigured ISOs

Download preconfigured OS images that install automatically with SSH and Ansible enabled out of the box. Perfect for building consistent lab environments fast.

[View ISOs](#)

2. Ansible Playbooks

Access department-specific automation scripts for tasks like network setup, system hardening, and server provisioning.

[View Playbooks](#)

3. Docker Sandbox

Experiment with containerized environments built for hands-on learning. The Docker sandbox includes preconfigured containers, Compose templates, and isolated environments for testing backend services, networking, and infrastructure automation safely.

[Screenshot](#)

[← Go Back Home](#)

Download Your Preconfigured ISO

Ubuntu Desktop ISO (Official)

Before proceeding, note the following:

- As of Ubuntu **24.04+**, Subiquity now supports desktop autoinstallers.
- Ensure you download version **24.04 LTS** or later for this configuration to function.
- This will redirect you to the *official Ubuntu website* to obtain the ISO.

[Download Official Ubuntu ISO](#)

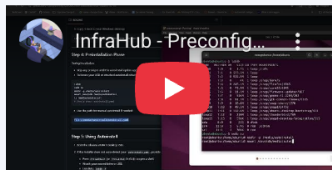
Autoinstall Configuration File

Download the ready-to-use **autoinstall.yaml** configuration file used to automate Ubuntu setup.

[Download autoinstall.yaml](#)

Want to view the full code or follow a step-by-step guide?

Check out the project on GitHub:
[Visit OpsCenter Autoinstaller Repo →](#)



[← Go Back Home](#)

Department-Specific Playbooks

Talent Management Department

Playbooks for Talent workflows including:

- PowerBI Desktop setup
- Office / Excel tooling
- Ubuntu workstation configuration

[View GitHub Repository](#)

Tutorial Video



Accounting Department

Automates workstations for Accounting:

- Financial tooling
- Excel / PDF utilities
- Secure hardened Ubuntu setup

[View GitHub Repository](#)

Tutorial Video



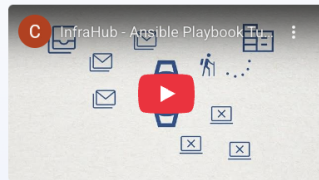
IT Department

Automates a full IT workstation setup:

- Network configuration
- Security hardening
- Developer tools (Docker, Git, IDEs)

[View GitHub Repository](#)

Tutorial Video



[← Go Back Home](#)

Download a Docker Sandbox Template

Environment Template

This template provides a standardized starting point for building lab environments, infrastructure sandboxes, and workstation setups used throughout the InfraHub project. It's designed for consistent provisioning, testing, and experimentation across tools.

- Ideal for building repeatable local or virtualized environments.
- Fully compatible with sandbox workflows and automation pipelines.
- Direct download link provided below.

Download Environment Template

This configuration file defines baseline settings and structure used in InfraHub sandbox environments. It provides a predictable layout for labs, experiments, and training modules.

[✦ Download Compose Template](#)[✦ Download Dockerfile Template](#)[✦ Download Sandbox Warning Script](#)

Want to review the workflow, customize templates, or integrate them into your own lab? Visit the InfraHub Sandbox repository: [View Sandbox Repository →](#)



AWS Knowledge Hub

This section consolidates InfraHub's AWS architecture, best practices, and lessons learned while building highly available, fault-tolerant infrastructure. Ideal for IT administrators who want to understand scalable AWS deployments, automation, and security configurations.

Note: this entire website "InfraHub" was built from these AWS concepts, including S3 backend hosting, multi-CDN architecture with Route 53 failover, and secure EC2 deployments.

Core Topics

1. Multi-CDN Architecture

Learn how CloudFront and Fastly work together with Route 53 for automatic failover.

[Learn More](#)

2. S3 & Backend Integration

Explore dynamic content delivery from S3 using boto3, streamed responses, and stateless containers.

[Learn More](#)

3. Security & Privacy

Study header validation, NGINX protections, CloudFront/Fastly TLS termination, and secure AWS access.

[Learn More](#)

Detailed Documentation

InfraHub's AWS knowledge section includes everything from architecture diagrams, S3 and EC2 workflows, health checks, CI/CD pipelines, and failover strategies. Each topic is written in an accessible way for IT admins and developers to replicate and learn from the infrastructure.

- Route 53 automatic failover between CDNs
- CloudFront origins with S3 health pages
- Security best practices for public-facing EC2s

Backend Engineer: Andres Jaimes

AJprogramming123 / OpsCenterPublic

<> Code

Issues

Pull requests

Actions

Projects

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Security

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Local3 Branches0 Tags

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<> Code

AJprogramming123Update moving.py27f94e4 · 3 hours ago93 Commits

.github/workflows	Refactor Docker workflow for backend image push	last week
backend	Update moving.py	3 hours ago
downloads	M	2 months ago
frontend	Update stylesheet and navigation links in ansible.html	2 months ago
nginx	Update nginx.conf	3 days ago
workflows	Add Docker image build and push workflow	2 months ago
.gitignore	message	2 months ago
Dockerfile	Remove frontend files from Dockerfile	2 months ago
README.md	Message	2 months ago
docker-compose.yml	Remove HTTPS configuration from docker-compose	3 days ago
pyproject.toml	Update pyproject.toml	2 months ago
run.py	Change app port from 5000 to 6000	2 months ago

README

OpsCenter

InfraHub is a platform built for IT professionals, sysadmins, and DevOps learners who want faster, smarter infrastructure management. Download preconfigured system installers, access ready-to-run Ansible playbooks, and deploy containerized environments with a single command — all from one place.

About

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Readme

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