

## **Team : Edge Innovators**

# Config Pilot **Simplify your Configurations**

## **Edge Runners Hackathon 3.2**

Transform Your Network Setup Experience through ConfigPilot





## **Overview** Transform Your Network Setup Experience

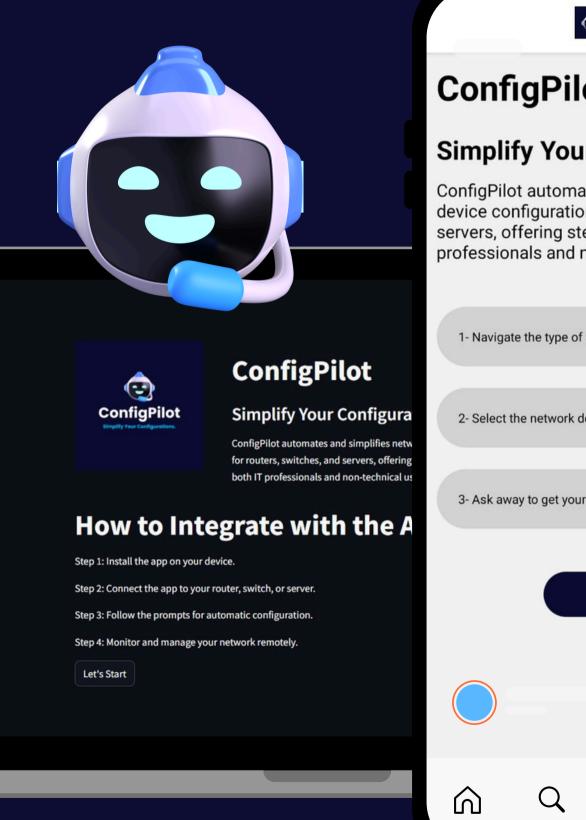
Al-powered application that simplifies the process of router configuration This app is designed to make setting up routers, such as those from Cisco, Huawei, and Mikrotik, easier for users. With a focus on simplifying the setup process, providing troubleshooting support, and offering secure remote control, our solution will make network management accessible to everyone.



## **The Problem**

- Router configurations are often seen as complicated, even by experienced IT professionals.
- Many existing tools are not userfriendly, making it difficult for users to efficiently manage network settings.
- In many cases, there are no existing tools that simplify the process, leaving users to rely on resources like ChatGPT, Bard, and YouTube tutorials



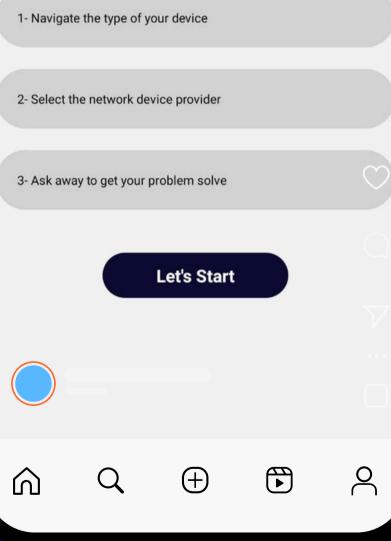


ConfigPilot

### ConfigPilot

### **Simplify Your Configurations**

ConfigPilot automates and simplifies network device configurations for routers, switches, and servers, offering step-by-step guidance for both IT professionals and non-technical users.



## **Proposed Solution**

 A combination of a web and mobile application aimed at simplifying router configuration

 Llama Model 3.2 to intelligently configurations, troubleshoot issues, and facilitate secure remote management of network devices

## Key Impacts

### Reduced router setup time by up to 30%

## **Decreased configuration errors**

## Accessible to both novice and expert users



01

02

03



## **Mobile Screens**

4





### ConfigPilot

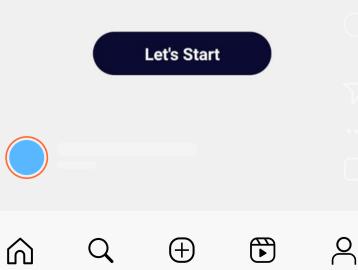
### **Simplify Your Configurations**

ConfigPilot automates and simplifies network device configurations for routers, switches, and servers, offering step-by-step guidance for both IT professionals and non-technical users.

1- Navigate the type of your device

2- Select the network device provider

3- Ask away to get your problem solve



### **Choose Your Device for a Seamless Setup Experience!**

ConfigPilot

0



CISCO				0
HUAWEI				
TP-LINK				$\nabla$
Devices will be available in next release				
ŝ	Q	$\oplus$		0



4



## Chat with ConfigPilot – Your Guide to Effortless

### 0

**Network Navigation!** 

You: My Wi-Fi router's 5 GHz band isn't showing up on my device, but the 2.4 GHz band is working fine. How do I fix this?

### 0

I'd be happy to help you troubleshoot the issue with your CISCO router's 5 GHz band. Here are some potential causes and solutions to help you resolve the issue:

### Potential Causes:

- 1. 5 GHz band disabled: The 5 GHz band might be disabled in the router's settings.
- 2. Channel overlap: The 5 GHz band might be set to a channel that is overlapping with other nearby networks, causing interference.
- 3. Device compatibility: Your device might not be compatible with the 5 GHz band or the router's 5 GHz settings.
- 4. Firmware issues: Outdated or corrupted firmware might be causing the issue.
- 5. Physical obstructions: Physical obstructions, such as walls or furniture, might be blocking the 5 GHz signal.

### **Troubleshooting Steps:**

### 1. Check the router's settings:

- Log in to your CISCO router's web interface (usually by typing ts IP address in a web browser).
- Check if the 5 GHz band is enabled. If not, enable it and save the changes.
- · Ensure that the 5 GHz band is set to a channel that is not







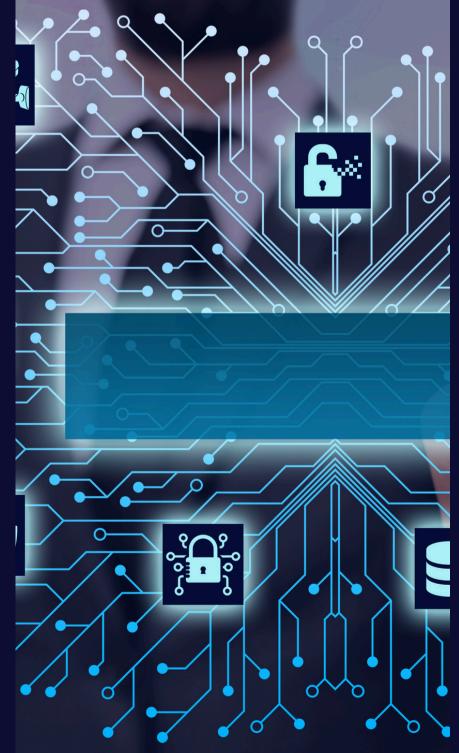




01

02





## **Future Vision & Goals**

In the future, we plan to expand the platform to support configurations for network switches and servers, allowing for more comprehensive network management.

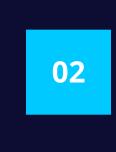
As businesses increasingly seek automated solutions to manage their networks, there is high potential for growth in this market. The future vision will also include the integration of outage prediction capabilities to help users prevent or prepare for internet disruptions.



01

## **Business Value**

This application brings significant value by making IT tasks easier and more efficient. It reduces the risk of errors during network setup, streamlines troubleshooting, and enhances security practices





## Businesses will save time and resources, improving their overall network management while ensuring that systems are configured correctly from the start.





01







## **Market Analysis**

There is a growing need for simpler network management tools, especially among small and medium-sized businesses that may not have dedicated IT teams

By the end of 2024, the global network management system market is projected to reach approximately USD 15 billion, with a compound annual growth rate (CAGR) of around 9-10%.

## **Our Mission**

Our immediate focus is to launch the basic version of the Mobile App and Web Application with essential features.

02

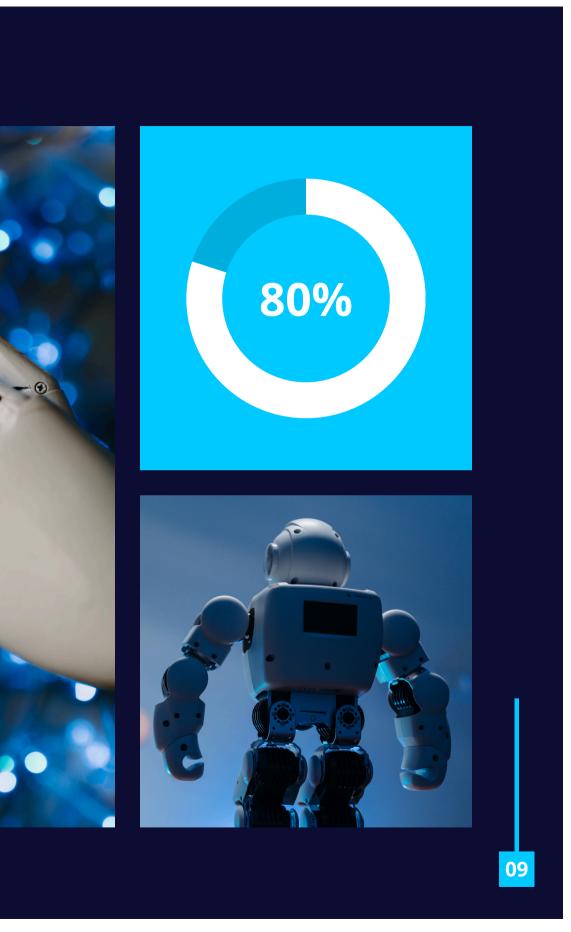
01

focus on expanding the functionality by adding more advanced features, such as mobile access and enhanced AI-driven tools.

03

In the longer term, we plan to form partnerships with hardware manufacturers to further integrate our solution with leading router brands.







## **Demo Video**



### ConfigPilot

### Simplify Your Configurations

ConfigPilot automates and simplifies network device configurations for routers, switches, and servers, offering step-by-step guidance for both IT professionals and non-technical users.

### How to Integrate with the App

Step 1: Install the app on your device.

Step 2: Connect the app to your router, switch, or server.

Step 3: Follow the prompts for automatic configuration.

Step 4: Monitor and manage your network remotely.

Let's Start



### ConfigPilot

### **Choose Your Device for a** Seamless Setup Experience!







 $\odot$ 

















CISCO

4

HUAWEI

TP-LINK

 $\widehat{\mathbb{A}}$ 

s will be available in next release



























**UMAIR AZMAT PROJECT MANAGER** 



**USMAN KHALIL** 

## **Meet Our Best Team**



**MAMONA NISAR UI / UX DESIGNER** 



## **MOBILE APP DEV**



### **NOMAN MAZHAR DATA SCIENTIST**

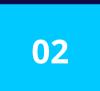
### **M ASAD JAVED BACKEND DEV**



### **SALMAN TAHIR AI / ML ENGINNER**

# Conclusion

**Simplified Configuration**: Turn complex router setups into intuitive, guided processes



01

**Universal Compatibility:** Seamless support for Cisco, Huawei, Mikrotik, and more

02

Intelligent Troubleshooting: Al-powered diagnostics and real-time problem resolution.



# Thenk You For Watching

hello@umairazmat.com





