

User Manual

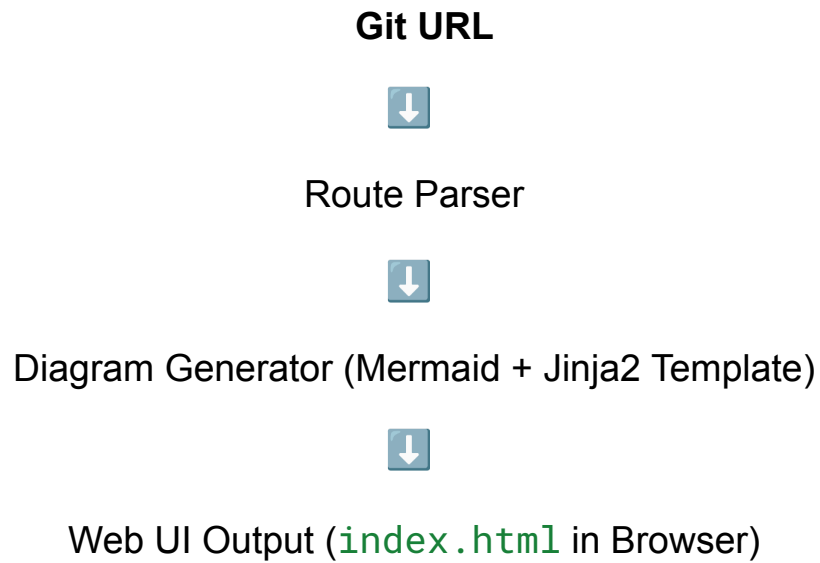
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1. Introduction Page

Purpose:

This tool is designed to transform Apache Camel route definitions (written in XML and hosted on Git) into clear, interactive flow diagrams. It simplifies the process of understanding, analyzing, and debugging complex integration flows by providing a visual representation of each service and its associated routes.

2. System Workflow Overview



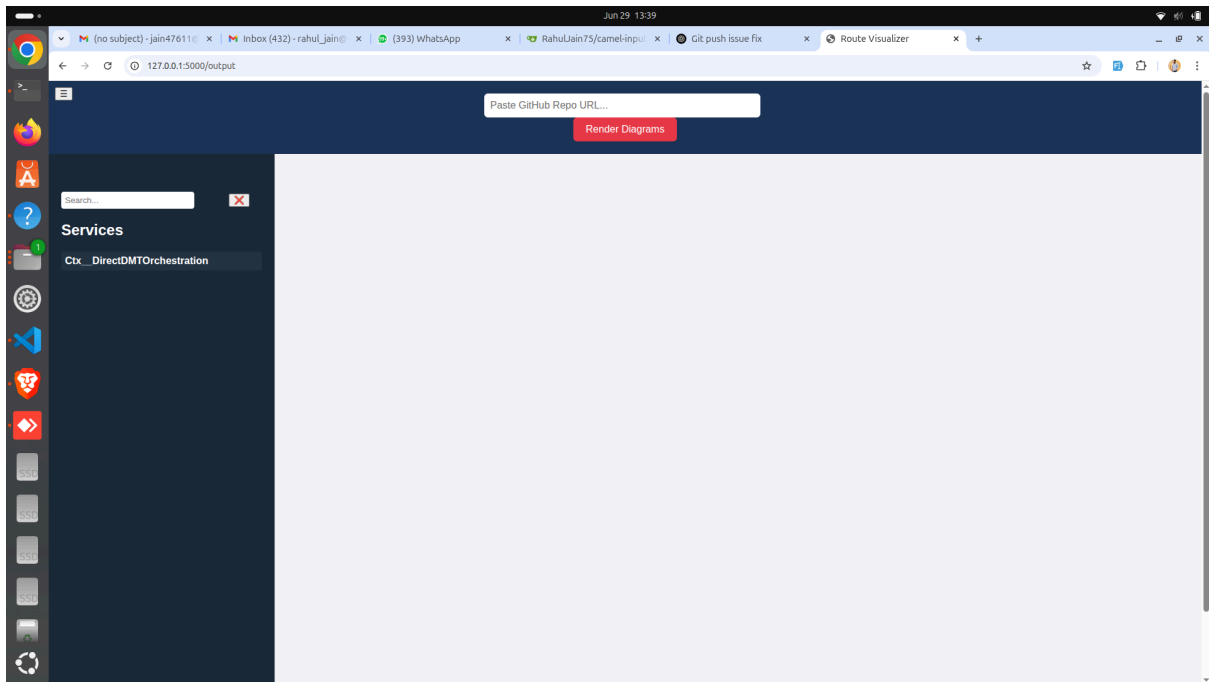
3. Step-by-Step User Guide (with Visuals)

Step 1: Launch Web Interface

A screenshot of a web interface with a dark blue background. It features a white text input field with the placeholder text 'Paste GitHub Repo URL...'. Below the input field is a red button with the text 'Render Diagrams' in white.

Instruction: Open the web UI in your browser. Paste the GitHub repository URL that contains the route XMLs and click on **"Render Diagrams"** to begin processing.

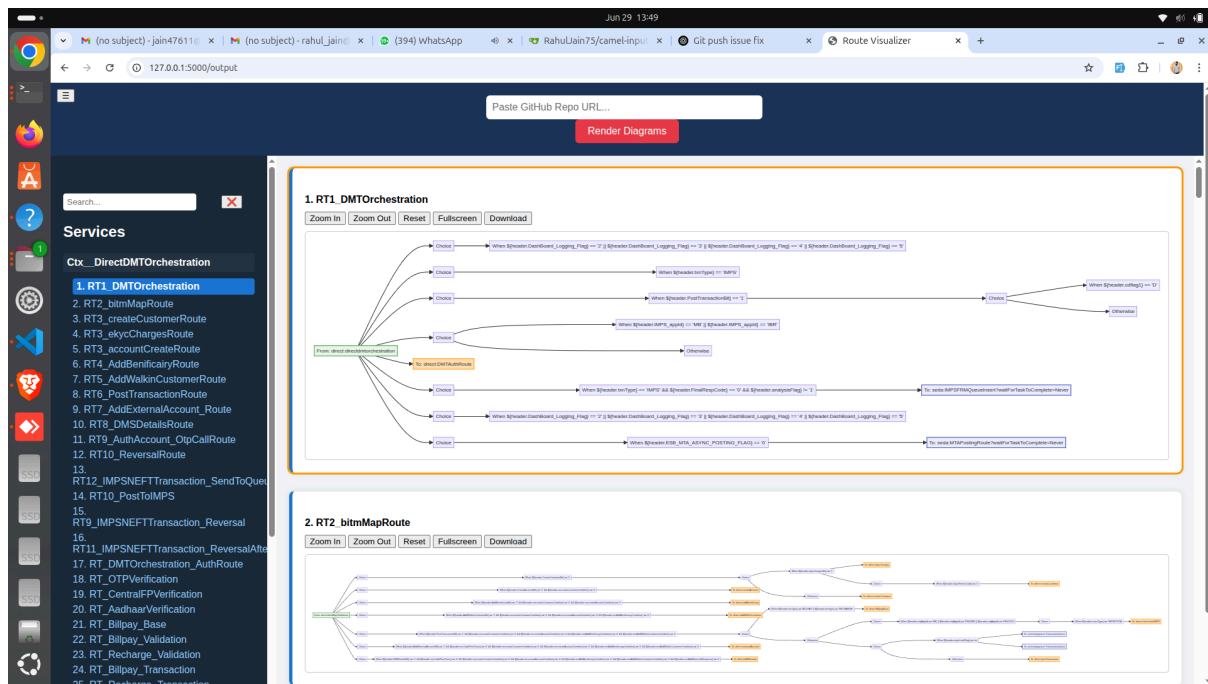
Step 2: View Rendered Output



Instruction:

After rendering, the UI displays all services in the sidebar. Click a service to expand and view its routes.

Step 3: Explore Route Diagrams



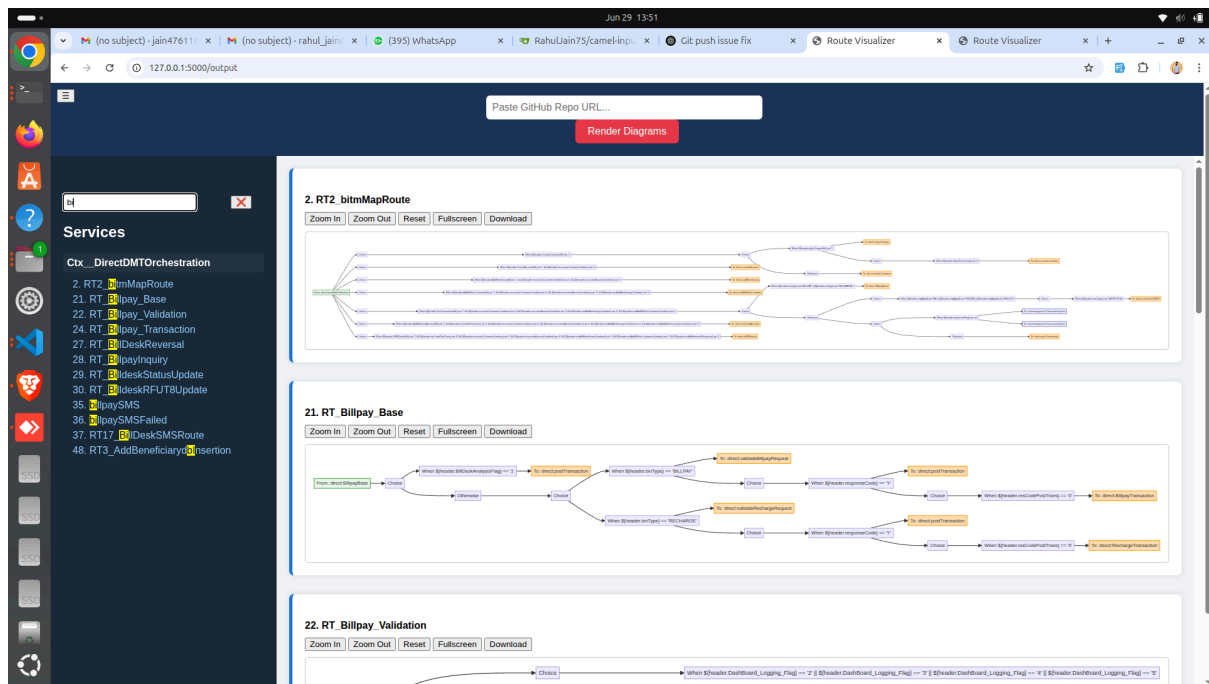
- **Instruction:** Each route has an interactive diagram with zoom controls, fullscreen view, and a download option—all accessible with a single click.

Step 4: View Tooltip Details

From: direct:OTPAuthentication		
Attribute	Default	Specification
basicPropertyBinding	false	
lazyStartProducer	false	
bridgeErrorHandler	false	
synchronous	false	
exchangePattern		
failIfNoConsumers	true	
block	true	
exceptionHandler		
timeout	30000	

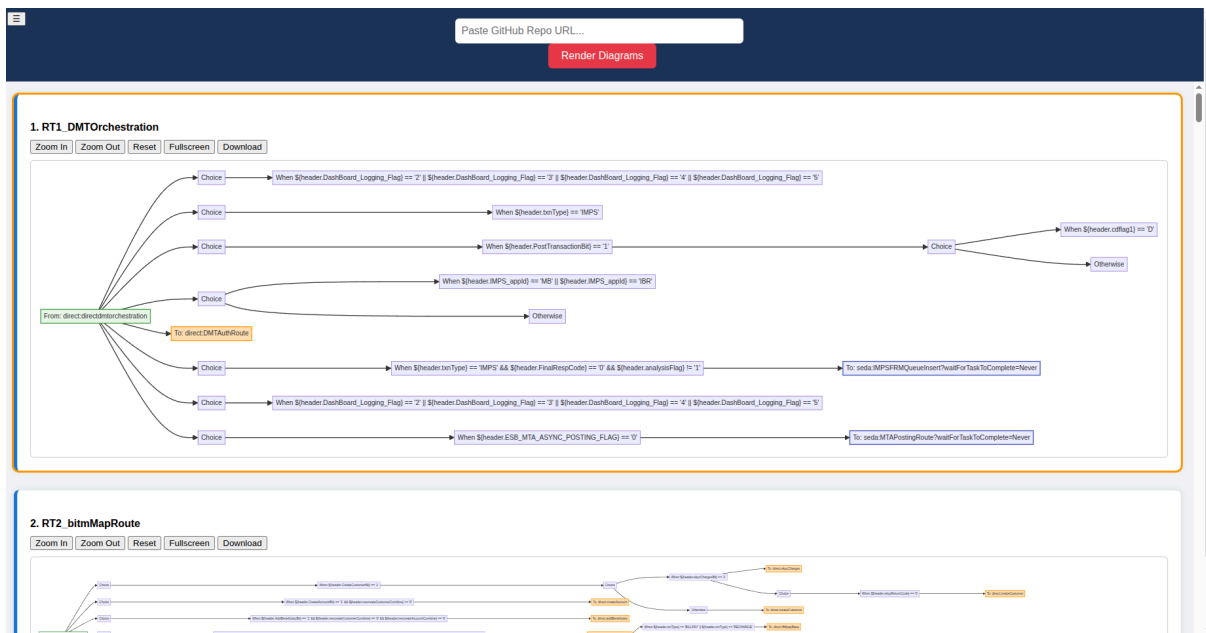
Instruction:

Right-click on any **From:** or **To:** node to see detailed info (fetched from `.txt` component mapping files).

Step 5: Use Search Feature**Instruction:**

Use the search bar to instantly filter routes by name.

Step 6: Fullscreen View with Collapsed Sidebar



Instruction:

Click the **≡ i.e toggle button** (top-left corner) to hide the sidebar.

This allows you to focus entirely on the route diagrams for detailed analysis or presentations. Click the toggle again to bring the sidebar back when needed.

4. Conclusion

This Route Visualizer tool streamlines the process of understanding complex Apache Camel routes directly from a GitHub repository. With just a few clicks, users can:

- Clone any GitHub project containing route XMLs
- Instantly visualize all services and their corresponding routes
- Interact with dynamic Mermaid diagrams—zoom, download, explore
- Access detailed tooltips by right-clicking on nodes
- Use search and collapsible UI features for better navigation and clarity

Whether you're a developer, tester, or architect—this tool offers a clear, interactive way to understand and document integration logic.