

# RAG Context

## Retrieval Error

### Analysis



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# 1 Summary

An HTTP 404 error occurred during RAG context retrieval, indicating the specified endpoint 'http://localhost:8002/rag/context' is unavailable. This report identifies potential causes and resolution steps.



## 2 Error Analysis

The 404 error suggests the endpoint URL is incorrect, unreachable, or misconfigured. Below are key factors to investigate.

### 2.1 Invalid Endpoint URL

Verify the URL 'http://localhost:8002/rag/context' is correct. Check for typos or misconfigured port numbers.

### 2.2 Server Unavailability

Confirm the RAG service is running on port 8002. Use tools like 'curl' or browser to test endpoint accessibility.



### 2.3 Network Configuration

Check firewall rules or network policies blocking port 8002. Ensure localhost traffic is permitted.

### 2.4 Missing API Route

Review the RAG service code to ensure the '/rag/context' route is properly defined and accessible.

## 2.5 Dependency Conflicts

Inspect logs for conflicting services or dependencies that may override the endpoint configuration.



### 3 Conclusion

Resolving the 404 error requires validating the endpoint URL, server status, and network configuration. Implementing proper error handling and logging will prevent future issues.

