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The HTTP FETCH-ONCE Method
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Abstract

This document defines the HTTP FETCH-ONCE method. It allows a client to retrieve a resource and ensures that the resource is immediately deleted or invalidated after retrieval.

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1. Introduction

Applications often require one-time access to sensitive data such as tokens or temporary links. Existing HTTP methods require multiple requests. FETCH-ONCE provides a single atomic operation that retrieves and invalidates a resource in one step.

2. Method Definition

The FETCH-ONCE method retrieves the target resource and then deletes or invalidates it immediately after access. The server **MUST** ensure that the operation is atomic so that only one client can successfully retrieve any given resource.

3. Security Considerations

Servers **MUST** ensure atomic behavior to prevent multiple retrievals. Implementations should consider race conditions and ensure that concurrent FETCH-ONCE requests for the same resource result in only one successful retrieval.

4. IANA Considerations

This document requests that IANA register the FETCH-ONCE method in the "HTTP Method Registry" maintained at <https://www.iana.org/assignments/http-methods>.

5. Normative References

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