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**Initial Hypertext Transfer Protocol (HTTP)  
Authentication Scheme Registrations  
draft-ietf-httpbis-authscheme-registrations-09**

Abstract

This document registers Hypertext Transfer Protocol (HTTP) authentication schemes which have been defined in standards-track RFCs before the IANA HTTP Authentication Scheme Registry was established.

Editorial Note (To be removed by RFC Editor)

Discussion of this draft takes place on the HTTPBIS working group mailing list ([ietf-http-wg@w3.org](mailto:ietf-http-wg@w3.org)), which is archived at <http://lists.w3.org/Archives/Public/ietf-http-wg/>.

The current issues list is at <http://trac.tools.ietf.org/wg/httpbis/trac/query?component=authscheme-registrations> and related documents (including fancy diffs) can be found at <http://tools.ietf.org/wg/httpbis/>.

The changes in this draft are summarized in [Appendix A.1](#).

Status of This Memo

This Internet-Draft is submitted in full conformance with the provisions of [BCP 78](#) and [BCP 79](#).

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## 1. Introduction

This document registers Hypertext Transfer Protocol (HTTP) authentication schemes which have been defined in standards-track RFCs before the IANA HTTP Authentication Scheme Registry was established.

## 2. Security Considerations

There are no security considerations related to the registration itself.

## 3. IANA Considerations

The table below provides registrations of HTTP authentication schemes to be added to the IANA HTTP Authentication Scheme registry at <http://www.iana.org/assignments/http-authschemes> (see Section 5.1 of [draft-ietf-httpbis-p7-auth]).

Authentication Scheme Name	Reference	Notes
Basic	[RFC2617], Section 2	
Bearer	[RFC6750]	
Digest	[RFC2617], Section 3	
Negotiate	[RFC4559], Section 3	This authentication scheme violates both HTTP semantics (being connection-oriented) and syntax (use of syntax incompatible with the WWW-Authenticate and Authorization header field syntax).
OAuth	[RFC5849], Section 3.5.1	

## 4. Normative References

- [RFC2617] Franks, J., Hallam-Baker, P., Hostetler, J., Lawrence, S., Leach, P., Luotonen, A., and L. Stewart, "HTTP Authentication: Basic and Digest Access Authentication", [RFC 2617](http://tools.ietf.org/html/rfc2617), June 1999.
- [RFC4559] Jaganathan, K., Zhu, L., and J. Brezak,



"SPNEGO-based Kerberos and NTLM HTTP Authentication in Microsoft Windows", [RFC 4559](#), June 2006.

[RFC5849] Hammer-Lahav, E., "The OAuth 1.0 Protocol", [RFC 5849](#), April 2010.

[RFC6750] Jones, M. and D. Hardt, "The OAuth 2.0 Authorization Framework: Bearer Token Usage", [RFC 6750](#), October 2012.

[[draft-ietf-httpbis-p7-auth](#)] Fielding, R., Ed. and J. Reschke, Ed., "Hypertext Transfer Protocol (HTTP/1.1): Authentication", [draft-ietf-httpbis-p7-auth-25](#) (work in progress), November 2013.

#### **Appendix A. Change Log (to be removed by RFC Editor before publication)**

Changes up to the IETF Last Call draft are summarized in <<http://trac.tools.ietf.org/html/draft-ietf-httpbis-authscheme-registrations-08#appendix-B>>.

##### **A.1. Since [draft-ietf-httpbis-authscheme-registrations-08](#)**

Closed issues:

- o <<http://tools.ietf.org/wg/httpbis/trac/ticket/514>>: "registration tables should be inside IANA considerations"

Clarified the IANA action to say "add".

Updated httpbis reference.

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