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**Initial Hypertext Transfer Protocol (HTTP)  
Authentication Scheme Registrations  
draft-ietf-httpbis-authscheme-registrations-10**

**Abstract**

This document registers Hypertext Transfer Protocol (HTTP) authentication schemes which have been defined in 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.2](#).

**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 RFCs before the IANA HTTP Authentication Scheme Registry was established.

## 2. Security Considerations

There are no security considerations related to the registration itself.

Security considerations applicable to the individual authentication schemes ought to be discussed in the specifications that define them.

## 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://www.rfc-editor.org/rfc/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-26](#) (work in progress), February 2014.

#### **[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.

##### **[A.2](#). Since [draft-ietf-httpbis-authscheme-registrations-09](#)**

Closed issues:

- o <<http://tools.ietf.org/wg/httpbis/trac/ticket/530>>: "[draft-ietf-httpbis-authscheme-registrations-09](#)"

Updated httpbis reference.



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