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## Well-Known URIs for the WebSocket Protocol

### Abstract

RFC 5785 defines a path prefix, `"/.well-known/"`, that can be used by well-known URIs. It was specifically defined for the `"http"` and `"https"` URI schemes. The present memo formally updates RFC 6455, which defines the URI schemes defined for the WebSocket Protocol, to extend the use of these well-known URIs to those URI schemes.

### Status of This Memo

This is an Internet Standards Track document.

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Information about the current status of this document, any errata, and how to provide feedback on it may be obtained at <https://www.rfc-editor.org/info/rfc8307>.

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## 1. Introduction

[RFC5785] defines a path prefix, `"/.well-known"`, that can be used by well-known URIs. It also contains an IANA registry for URI suffixes to be used with this path prefix for forming well-known URIs.

In [RFC5785], this mechanism is specifically defined for the `"http"` and `"https"` URI schemes (now defined in [RFC7230]). Other URI schemes such as `"coap"` and `"coaps"` [RFC7252] have since picked up this mechanism, sharing the registry of URI suffixes with that for HTTP(S).

[RFC6455], which defines the URI schemes defined for the WebSocket Protocol, `"ws"` and `"wss"`, does not define the use of well-known URIs for these URI schemes.

The present memo formally updates [RFC6455] to extend the use of [RFC5785] well-known URIs to the URI schemes `"ws"` and `"wss"`.

Well-known URIs for `"ws"` and `"wss"` share the registry for URI suffixes established by [RFC5785]; no change is necessitated by the present memo in the registry or its IANA considerations.

## 2. IANA Considerations

This document does not require any IANA actions.

## 3. Security Considerations

The Security Considerations of [RFC5785] apply and need to be considered for all well-known URIs.

It has always been possible to form `"ws"` and `"wss"` URIs in such a way that they map to well-known HTTP(S) URIs when using the procedure in Section 4 of [RFC6455]; no new security considerations are created by now formally making the well-known URI mechanism available for `"ws"` and `"wss"`.

However, with well-known URIs becoming available for the WebSocket Protocol, applications that want to define well-known URI suffixes specifically for WebSocket use also need to consider whether the resources becoming available under the equivalent HTTP(S) URI formed by Section 4 of [RFC6455] pose any information disclosure or other security considerations.

#### 4. References

##### 4.1. Normative References

- [RFC5785] Nottingham, M. and E. Hammer-Lahav, "Defining Well-Known Uniform Resource Identifiers (URIs)", RFC 5785, DOI 10.17487/RFC5785, April 2010, <<https://www.rfc-editor.org/info/rfc5785>>.
- [RFC6455] Fette, I. and A. Melnikov, "The WebSocket Protocol", RFC 6455, DOI 10.17487/RFC6455, December 2011, <<https://www.rfc-editor.org/info/rfc6455>>.

##### 4.2. Informative References

- [RFC7230] Fielding, R., Ed. and J. Reschke, Ed., "Hypertext Transfer Protocol (HTTP/1.1): Message Syntax and Routing", RFC 7230, DOI 10.17487/RFC7230, June 2014, <<https://www.rfc-editor.org/info/rfc7230>>.
- [RFC7252] Shelby, Z., Hartke, K., and C. Bormann, "The Constrained Application Protocol (CoAP)", RFC 7252, DOI 10.17487/RFC7252, June 2014, <<https://www.rfc-editor.org/info/rfc7252>>.

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