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Information technology — OpenID connect — OpenID connect discovery 1.0 incorporating errata set 2

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This document was prepared by the OpenID Foundation (OIDF) (as OpenID Connect Discovery 1.0 incorporating errata set 2) and drafted in accordance with its editorial rules. It was adopted, under the JTC 1 PAS procedure, by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html and www.iec.ch/national-committees.

Abstract

OpenID Connect 1.0 is a simple identity layer on top of the OAuth 2.0 protocol. It enables Clients to verify the identity of the End-User based on the authentication performed by an Authorization Server, as well as to obtain basic profile information about the End-User in an interoperable and REST-like manner.

This specification defines a mechanism for an OpenID Connect Relying Party to discover the End-User's OpenID Provider and obtain information needed to interact with it, including its OAuth 2.0 endpoint locations.

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1. Introduction

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OpenID Connect 1.0 is a simple identity layer on top of the OAuth 2.0 [RFC6749] protocol. It enables Clients to verify the identity of the End-User based on the authentication performed by an Authorization Server, as well as to obtain basic profile information about the End-User in an interoperable and REST-like manner.

In order for an OpenID Connect Relying Party to utilize OpenID Connect services for an End-User, the RP needs to know where the OpenID Provider is. OpenID Connect uses WebFinger [RFC7033] to locate the OpenID Provider for an End-User. This process is described in Section 2.

Once the OpenID Provider has been identified, the configuration information for that OP is retrieved from a well-known location as a JSON [RFC8259] document, including its OAuth 2.0 endpoint locations. This process is described in Section 4.

The previous versions of this specification are:

- OpenID Connect Discovery 1.0 incorporating errata set 1 [OpenID.Discovery.Errata1]
- OpenID Connect Discovery 1.0 (final) [OpenID.Discovery.Final]

1.1. Requirements Notation and Conventions

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The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "NOT RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in RFC 2119 [RFC2119].

In the .txt version of this specification, values are quoted to indicate that they are to be taken literally. When using these values in protocol messages, the quotes MUST NOT be used as part of the value. In the HTML version of this specification, values to be taken literally are indicated by the use of `this fixed-width font`.

All uses of JSON Web Signature (JWS) [JWS] and JSON Web Encryption (JWE) [JWE] data structures in this specification utilize the JWS Compact Serialization or the JWE Compact Serialization; the JWS JSON Serialization and the JWE JSON Serialization are not used.
