

## EIP 181: ENS support for reverse resolution of Ethereum addresses

[Return to Ethereum ERCs](#)

**Note:** The following is an excerpt from the official Ethereum site. It is provided here as a convenience and is not authoritative. Refer to the original document as the authoritative reference.

Table 1: Data sheet for ENS support for reverse resolution of Ethereum addresses

Title	ENS support for reverse resolution of Ethereum addresses
Author	Nick Johnson
Status	Final
Created	2016-12-01
Description	<a href="http://eips.ethereum.org/EIPS/eip-181">http://eips.ethereum.org/EIPS/eip-181</a>
Specification	<a href="http://eips.ethereum.org/EIPS/eip-181#Specification">http://eips.ethereum.org/EIPS/eip-181#Specification</a>
Category	ERC

### Abstract

*This EIP specifies a TLD, registrar, and resolver [interface](#) for reverse resolution of Ethereum addresses using ENS. This permits associating a human-readable name with any Ethereum [blockchain](#) address. Resolvers can be certain that the reverse record was published by the owner of the Ethereum address in question.*

### Motivation

*While name services are mostly used for forward resolution - going from human-readable identifiers to machine-readable ones - there are many use-cases in which reverse resolution is useful as well:*

- 1. Applications that allow users to monitor accounts benefit from showing the name of an account instead of its address, even if it was originally added by address.*
- 2. Attaching [metadata](#) such as descriptive information to an address allows retrieving this information regardless of how the address was originally discovered.*
- 3. Anyone can configure a name to resolve to an address, regardless of ownership of that address. Reverse records allow the owner of an address to [claim](#) a name as authoritative for that address.*

From:  
<https://www.omgwiki.org/dido/> - **DIDO Wiki**

Permanent link:  
[https://www.omgwiki.org/dido/doku.php?id=dido:public:ra:xapend:xapend.b\\_stds:defact:ethereum:eip:erc\\_0181](https://www.omgwiki.org/dido/doku.php?id=dido:public:ra:xapend:xapend.b_stds:defact:ethereum:eip:erc_0181)

Last update: **2021/08/09 15:01**

