# 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

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|---|---|
| Title | ENS support for reverse resolution of Ethereum addresses |
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| 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.*