

EIP 165: ERC-165 Standard Interface Detection

[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 Standard Interface Detection

Title	Standard Interface Detection
Author	Christian Reitwießner, Nick Johnson, Fabian Vogelsteller, Jordi Baylina, Konrad Feldmeier, William Entriken
Status	Final
Created	2018-01-23
Description	http://eips.ethereum.org/EIPS/eip-165
Specification	http://eips.ethereum.org/EIPS/eip-165#Specification
Category	ERC
Requires	EIP 214

Simple Summary

: *Creates a standard method to publish and detect what interfaces a smart contract implements.*

Abstract

Herein, we standardize the following:

- 1. How interfaces are identified*
- 2. How a contract will publish the interfaces it implements*
- 3. How to detect if a contract implements ERC-165*
- 4. How to detect if a contract implements any given interface*

Motivation

For some “standard interfaces” like the [ERC-20](#) token interface, it is sometimes useful to query whether a contract supports the interface and if yes, which version of the interface, in order to adapt the way in which the contract is to be interacted with. Specifically for ERC-20, a version identifier has already been proposed. This proposal standardizes the concept of interfaces and

standardizes the identification (naming) of interfaces.

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_0165&rev=1588892173

Last update: **2020/05/07 18:56**

