

---

Stream: Internet Research Task Force (IRTF)  
RFC: 0000  
Category: Informational  
Published: July 2022  
ISSN: 2070-1721  
Author: A. Test

## RFC 0000

# Intent Classification

---

### Abstract

Intent is an abstract, high-level policy used to operate the network. Intent-based management system includes an interface for users to input requests and an engine to translate the intents into the network configuration and manage their life-cycle.

This document discusses mostly the concept of network intents, but other types of intents are also being considered. Specifically, it highlights stakeholder perspectives of intent, methods to classify and encode intent, the associated intent taxonomy, and defines relevant intent terms where necessary. This document provides a foundation for intent related research and facilitates solution development.

This document is a product of the IRTF Network Management Research Group (NMRG).

### Status of This Memo

This document is not an Internet Standards Track specification; it is published for informational purposes.

This document is a product of the Internet Research Task Force (IRTF). The IRTF publishes the results of Internet-related research and development activities. These results might not be suitable for deployment. This RFC represents the consensus of the Network Management Research Group of the Internet Research Task Force (IRTF). Documents approved for publication by the IRSG are not candidates for any level of Internet Standard; see Section 2 of RFC 7841.

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/rfc0000>.

### Copyright Notice

Copyright (c) 2022 IETF Trust and the persons identified as the document authors. All rights reserved.

This document is subject to BCP 78 and the IETF Trust's Legal Provisions Relating to IETF Documents (<https://trustee.ietf.org/license-info>) in effect on the date of publication of this document. Please review these documents carefully, as they describe your rights and restrictions with respect to this document.

## Table of Contents

### 1. Introduction

#### Author's Address

## 1. Introduction

Intent User	Intent Type	Intent Scope						DCN Res		DCN Net		ABS		L-C	
		C1	C2	C3	C4	C5	C6	C1	C2	C1	C2	C1	C2	C1	C2
Customer/ Tenants	Customer Service Intent														
	Strategy Intent														
Cloud Admin	Cloud Management Intent	X		X				X		X		X		X	
	Cloud Resource Management Intent														
	Operational Task Intent														
	Strategy Intent														
Underlay Network Admin	Underlay Network Intent														

Intent User	Intent Type	Intent Scope						DCN Res		DCN Net		ABS		L-C	
		C1	C2	C3	C4	C5	C6	C1	C2	C1	C2	C1	C2	C1	C2
	Underlay Network Resource Intent														
	Operational Task Intent														
	Strategy Intent														
App Developer	Cloud Management Intent														
	Cloud Resource Management Intent														
	Underlay Network Intent														
	Underlay Network Resource Intent														
	Operational Task Intent														
	Strategy Intent														

Table 1: Intent Classification Example for Data Center Network Solutions

## Author's Address

**Test**

Email: [test@example.com](mailto:test@example.com)