

# Digital Product Passport Ontology Design Pattern

## Metadata

### IRI

<http://w3id.org/dppo/ontology/dpp-odp/>

### Title

Digital Product Passport Ontology Design Pattern

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### Date Created

2023-10-30

### License

<https://github.com/LiUSemWeb/DPP/blob/master/LICENSE>

### Version Iri

<http://w3id.org/dppo/ontology/dpp-odp/0.1/>

### Version Info

0.1

### Preferred Namespace Prefix

dpp-odp

### Preferred Namespace Uri

<http://w3id.org/dppo/ontology/dpp-odp/>

### Description

This is a minimal core Ontology Design Pattern defining what a DPP is, i.e. information about a product.

## Classes

Digital Product Passport <sup>C</sup>	
<b>IRI</b>	<a href="http://w3id.org/dppo/ontology/dpp-odp/DPP">http://w3id.org/dppo/ontology/dpp-odp/DPP</a>
<b>Description</b>	A Digital Product Passport, containing information about a product, and which main contain sub-DPPs as its parts.
<b>In Domain Of</b>	<a href="#">describes</a> <sup>OP</sup>
<b>Restriction</b>	<a href="#">A relation between a whole and its parts.</a> <sup>OP</sup> only <a href="#">Digital Product Passport</a> <sup>C</sup>

## Product<sup>c</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-odp/Product>

**Description** A product, in a broad sense, defined as anything that is sold by a value chain actor, and which can have other products as parts.

**In Range Of** [describes](#)<sup>op</sup>

**Restriction** [A relation between a whole and its parts.](#)<sup>op</sup> only [Product](#)<sup>c</sup>

## Object Properties

### [describes](#)<sup>op</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-odp/describes>

**Description** The relation between a DPP and the product it describes.

**Domain** [Digital Product Passport](#)<sup>c</sup>

**Range** [Product](#)<sup>c</sup>

### [A relation between a whole and its parts.has part](#)<sup>op</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-odp/hasPart>

## Annotation Properties

### [contributor](#)<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/contributor>

### [created](#)<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/created>

### [creator](#)<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/creator>

description<sup>ap</sup>

IRI <http://purl.org/dc/terms/description>

license<sup>ap</sup>

IRI <http://purl.org/dc/terms/license>

title<sup>ap</sup>

IRI <http://purl.org/dc/terms/title>

preferred namespace prefix<sup>ap</sup>

IRI <http://purl.org/vocab/vann/preferredNamespacePrefix>

preferred namespace uri<sup>ap</sup>

IRI <http://purl.org/vocab/vann/preferredNamespaceUri>

## Namespaces

:

<http://w3id.org/dppo/ontology/dpp-odp/>

**dcterms**

<http://purl.org/dc/terms/>

**owl**

<http://www.w3.org/2002/07/owl#>

**prov**

<http://www.w3.org/ns/prov#>

**rdf**

<http://www.w3.org/1999/02/22-rdf-syntax-ns#>

**rdfs**

<http://www.w3.org/2000/01/rdf-schema#>

**vann**

<http://purl.org/vocab/vann/>

## Legend

c

op

Classes

Object Properties

