

# Digital Product Passport Ontology Design Pattern

## Metadata

### IRI

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

### Title

Digital Product Passport Ontology Design Pattern

### Creator

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### Contributor

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

<b>IRI</b>	<a href="http://w3id.org/dppo/ontology/dpp-odp/Product">http://w3id.org/dppo/ontology/dpp-odp/Product</a>
<b>Description</b>	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.
<b>In Range 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="#">Product</a> <sup>c</sup>

## Object Properties

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

<b>IRI</b>	<a href="http://w3id.org/dppo/ontology/dpp-odp/describes">http://w3id.org/dppo/ontology/dpp-odp/describes</a>
<b>Description</b>	The relation between a DPP and the product it describes.
<b>Domain</b>	<a href="#">Digital Product Passport</a> <sup>c</sup>
<b>Range</b>	<a href="#">Product</a> <sup>c</sup>

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

<b>IRI</b>	<a href="http://w3id.org/dppo/ontology/dpp-odp/hasPart">http://w3id.org/dppo/ontology/dpp-odp/hasPart</a>
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## Annotation Properties

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

<b>IRI</b>	<a href="http://purl.org/dc/terms/contributor">http://purl.org/dc/terms/contributor</a>
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### [created](#)<sup>ap</sup>

<b>IRI</b>	<a href="http://purl.org/dc/terms/created">http://purl.org/dc/terms/created</a>
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### [creator](#)<sup>ap</sup>

<b>IRI</b>	<a href="http://purl.org/dc/terms/creator">http://purl.org/dc/terms/creator</a>
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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

Classes

op

Object Properties

