**Turtle**

The Resource Description Framework (RDF) is a general-purpose language for representing information in the Web.

This document defines a textual syntax for RDF called Turtle that allows an RDF graph to be completely written in a compact and natural text form, with abbreviations for common usage patterns and datatypes. Turtle provides levels of compatibility with the N-Triples [[N-TRIPLES](https://www.w3.org/TR/turtle/#bib-N-TRIPLES)] format as well as the triple pattern syntax of the [SPARQL](http://www.w3.org/TR/sparql11-query/) W3CRecommendation.

A Turtle document is a textual representations of an RDF graph. The following Turtle document describes the relationship between Green Goblin and Spiderman.

EXAMPLE 1

@base <http://example.org/> .

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

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

@prefix foaf: <http://xmlns.com/foaf/0.1/> .

@prefix rel: <http://www.perceive.net/schemas/relationship/> .

<#green-goblin>

rel:enemyOf <#spiderman> ;

a foaf:Person ; # in the context of the Marvel universe

foaf:name "Green Goblin" .

<#spiderman>

rel:enemyOf <#green-goblin> ;

a foaf:Person ;

foaf:name "Spiderman", "Человек-паук"@ru .

This example introduces many of features of the Turtle language: [@base and Relative IRIs](https://www.w3.org/TR/turtle/#relative-iri), [@prefix and prefixed names](https://www.w3.org/TR/turtle/#prefixed-name), [predicate lists](https://www.w3.org/TR/turtle/#predicate-lists) separated by ';', [object lists](https://www.w3.org/TR/turtle/#object-lists) separated by ',', the token [a](https://www.w3.org/TR/turtle/#iri-a), and [literals](https://www.w3.org/TR/turtle/#literals).

The Turtle grammar for [triples](https://www.w3.org/TR/turtle/#grammar-production-triples) is a subset of the [SPARQL 1.1 Query Language](http://www.w3.org/TR/sparql11-query/) [[SPARQL11-QUERY](https://www.w3.org/TR/turtle/#bib-SPARQL11-QUERY)] grammar for [TriplesBlock](http://www.w3.org/TR/sparql11-query/" \l "rTriplesBlock). The two grammars share production and terminal names where possible.

The construction of an RDF graph from a Turtle document is defined in [Turtle Grammar](https://www.w3.org/TR/turtle/#sec-grammar) and [Parsing](https://www.w3.org/TR/turtle/#sec-parsing).