

Infrastructure requirements

Technical Report

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Web3 Foundation Grants Program

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The ontology is specified in the **Turtle**¹ format, a textual syntax for **RDF**² 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 also provides levels of compatibility with the **N-Triples**³ format as well as the triple pattern syntax of the **SPARQL**⁴ W3C Recommendation.

Three tools were used to conceptualize and specify the ontology. **Visual Studio Code 1.74.3**⁵ for the textual specification in the turtle format. **Protégé 5.6.1**⁶ to visualize and validate the ontology. All of the tools are free or open source.

¹ <https://www.w3.org/TR/turtle/>

² <https://www.w3.org/RDF/>

³ <https://www.w3.org/TR/turtle/#bib-N-TRIPLES>

⁴ <http://www.w3.org/TR/sparql11-query/>

⁵ <https://code.visualstudio.com>

⁶ <https://protege.stanford.edu>