

# Evaluation results

There are three levels of importance in pitfalls according to their impact on the ontology:

- **Critical** It is crucial to correct the pitfall. Otherwise, it could affect the ontology consistency, reasoning, applicability, etc.
- **Important** Though not critical for ontology function, it is important to correct this type of pitfall.
- **Minor** It is not really a problem, but by correcting it we will make the ontology nicer.

## Pitfalls detected:

### Results for P36: URI contains file extension.

Ontology\* **Minor**

This pitfall occurs if file extensions such as ".owl", ".rdf", ".ttl", ".n3" and ".rdxml" are included in an ontology URI. This pitfall is related with the recommendations provided in [9].

\*This pitfall applies to the ontology in general instead of specific elements.

### Results for P38: No OWL ontology declaration.

Ontology\* **Important**

This pitfall consists in not declaring the owl:Ontology tag, which provides the ontology metadata. The owl:Ontology tag aims at gathering metadata about a given ontology such as version information, license, provenance, creation date, and so on. It is also used to declare the inclusion of other ontologies.

\*This pitfall applies to the ontology in general instead of specific elements.

### Results for P39: Ambiguous namespace.

Ontology\* **Critical**

This pitfall consists in declaring neither the ontology URI nor the xml:base namespace. If this is the case, the ontology namespace is matched to the file location. This situation is not desirable, as the location of a file might change while the ontology should remain stable, as proposed in [12].

\*This pitfall applies to the ontology in general instead of specific elements.

## Suggestions or warnings:

According to the highest importance level of pitfall found in your ontology the conformace bagde suggested is "Critical pitfalls" (see below). You can use the following HTML code to insert the badge within your ontology documentation:



```
<p>  
<a href="http://oops.linkeddata.es">  
</a>  
</p>
```

## References

### References

- |  |   |
|--|---|
| [1] Aguado-De Cea, G., Montiel-Ponsoda, E., Poveda-Villalón, M., and Giraldo-Pasmin, O.X. (2015).                            | ✓ |
| [2] Noy, N. F., McGuinness, D. L., et al. (2001).  | ✓ |
| [3] Gómez-Pérez, A. (1999).  | ✓ |
| [4] Montiel-Ponsoda, E., Vila Suero, D., Villazón-Terrazas, B., Dunsire, G., Escolano Rodríguez, E., Gómez-Pérez, A. (2011). | ✓ |
| [5] Vrandecic, D. (2010).  | ✓ |
| [6] Gómez-Pérez, A. (2004).  | ✓ |
| [7] Rector, A., Drummond, N., Horridge, M., Rogers, J., Knublauch, H., Stevens, R., Wang, H., and Wroe, C. (2004).           | ✓ |

- |   |   |
|---|---|
| [8] Hogan, A., Harth, A., Passant, A., Decker, S., and Polleres, A. (2010). | ✓ |
| [9] Archer, P., Goedertier, S., and Loutas, N. (2012).                      | ✓ |
| [10] Bernes-Lee Tim. (2006).  | ✓ |
| [11] Heath, T. and Bizer, C. (2011).  | ✓ |
| [12] Vatant, B. (2012).   | ✓ |

Enter your ontology to scan:

Enter a URI:

Example: [http://oops.linkeddata.es/example/swc\\_2009-05-09.rdf](http://oops.linkeddata.es/example/swc_2009-05-09.rdf)

Enter a direct input:

If you include just RDF code, the following Pitfalls will not be checked:

- P36. URI contains file extension
- P37. Ontology not available
- P40. Namespace hijacking

☐ Uncheck this checkbox if you don't want us to keep a copy of your ontology.

Scan

[Advanced evaluation](#)

## How to cite OOPS!

for ontology evaluation." International Journal on Semantic Web and Information Systems (IJSWIS) 10.2 (2014): 7-34.

BibTex:

```
@article{poveda2014oops,
  title={{OOPS! (Ontology Pitfall Scanner!): An On-line Tool for Ontology Evaluation}},
  author={Poveda-Villal{\`a}, Mar{\'i}a and G{\'o}mez-P{\'e}rez, Asunci{\'o}n and Su{\'a}rez-Figueroa, Mari C{\'e}lia},
  journal={International Journal on Semantic Web and Information Systems (IJSWIS)},
```

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volume={10},  
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