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PIDA: Empowering your semantic artifacts with reliable PURLs

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PIDA is a lightweight PURL service that provides unique persistent URLs (PURLs) that can be used as internationalized resource identifiers (IRIs) within semantic artifacts such as glossaries, thesauri, ontologies and knowledge graphs. The main objective is to support and facilitate the findability and accessibility of semantic artifacts published on the Web in the long term. PIDs provided by PIDA are functional URLs/IRIs; instead of pointing directly to the location of an internet resource, a PID points to an intermediate-resolution service. The resolution service associates the PID with the actual URL/IRI and returns that location on the web to the client. The client can then complete the transaction in a normal fashion. PIDA also supports content negotiation. This allows specifying which representation of a resource (e.g., HTML, TTL, etc.) is required by semantic agents via the same identifier.Furthermore, this also ensures that: 1) a resource can be reliably referenced for future access; 2) links to resources do not break; 3) support findability—one of the key elements in the FAIR principles; and 4) entities can be identified unambiguously. In this talk, I will introduce the new features offered by PIDA and how to obtain PIDA PURLs free of charge. These features include usage statistics dashboards, regular system health checks, and automatic notifications for broken PURLs.

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