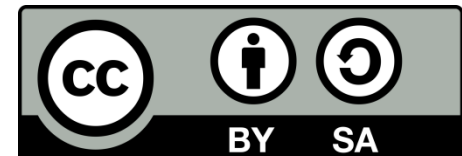




Linked Data Theatre

introduction



Linked Data Theatre

The Linked Data Theatre is a platform for an optimal presentation of Linked Data

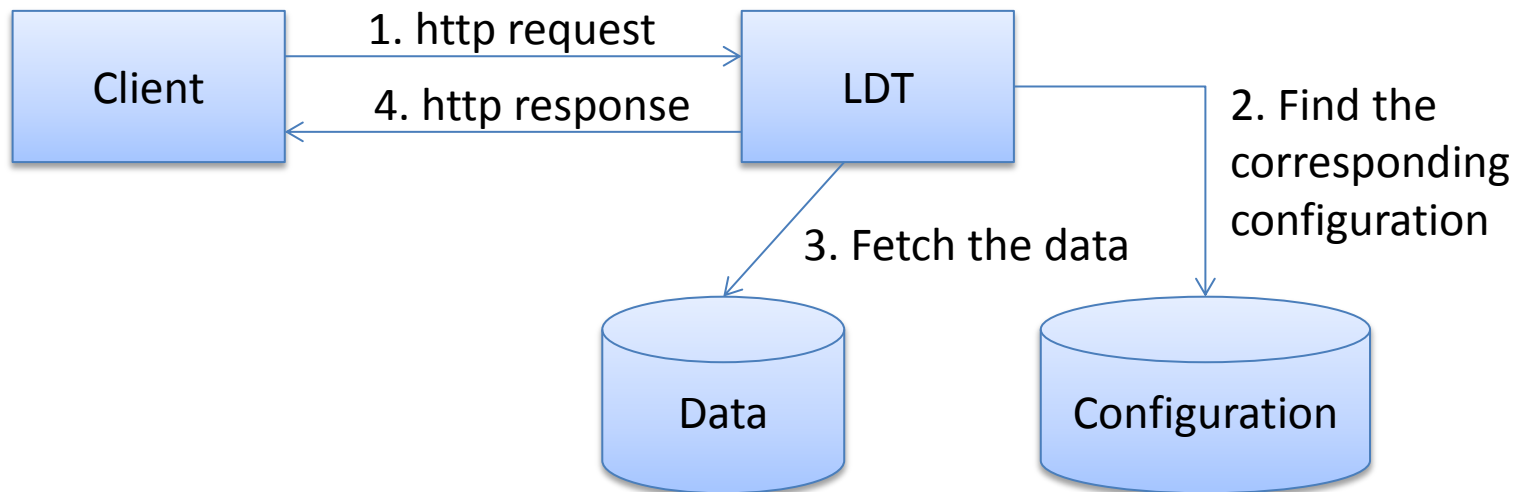
Features:

- Responsive UI based on Bootstrap;
- Zero-coding: the configuration consists for 100% out of RDF triples;
- Multi-channel: PC, tablet and smartphone support;
- Multi-format: html, xml, json, spreadsheet, text, pdf, svg en graphml support;
- Support for Geo en Graphical representations;
- Capable of accessing multiple SPARQL endpoints.
- Support for secure access via https and authentication using standard authentication protocols.
- Open source available on Github, GNU license

Conceptual overview (1/2)

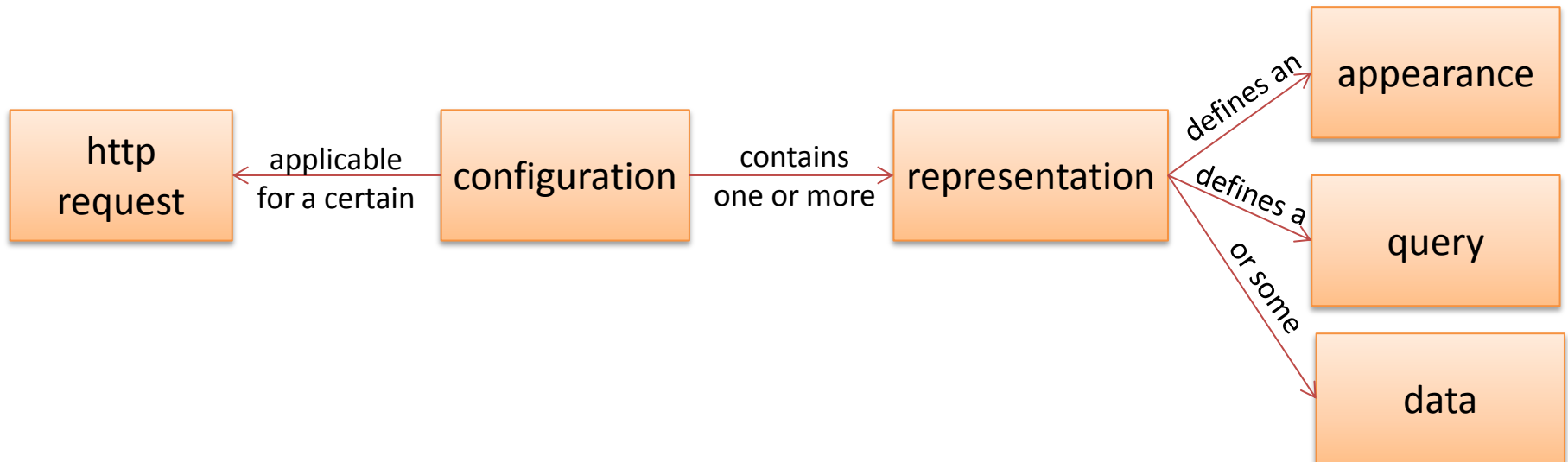
The podium uses a data-driven application pattern:

- Based on the http request, the LDT finds the corresponding configuration in a linked-data configuration triplestore. When no configuration is available, a “default” configuration is used.
- The configuration includes one or more SPARQL queries which are used to fetch the data from (one or more) triplestores.
- The results are given back to the client, in the format specified by the client.

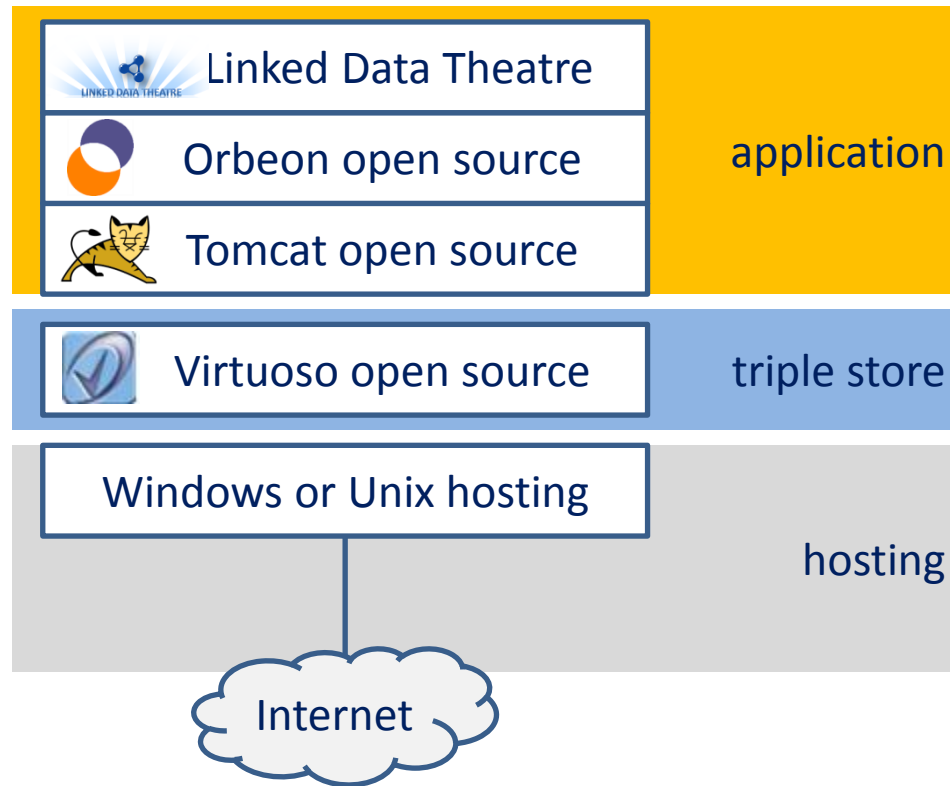


Conceptual overview (2/2)

- Based on the http-request, a corresponding configuration is found.
- A configuration consists of one or more representations.
- A representation defines an “appearance” and a “query”.
- The “appearance” defines how the data should appear in the browser of the client (tabular, form, graphical, geo streetmap)
- The query defines which triples should be fetched from the triplestore.
- As an alternative for a query, a representation can also contain some (static) data. This data is returned instead of the query result.



Technical overview



Available appearances

- Content appearance
- Table appearance
- Carousel appearance
- Graph appearance
- Geo appearance
- Form appearance
- Text appearance
- Navbar appearance
- Search appearance

Content appearance

A content appearance is used to represent the result of a CONSTRUCT-query. The resulting triples are displayed using a two-column table per unique subject. The first column contains the property-label, the second column the object-value.

Amersfoort	
label	Amersfoort
subject	http://dbpedia.org/resource/Category:Amersfoort http://dbpedia.org/resource/Category:Populated_places_in_Utrecht_(province) http://dbpedia.org/resource/Category:Olympic_modern_pentathlon_venues http://dbpedia.org/resource/Category:Cities_in_the_Netherlands http://dbpedia.org/resource/Category:1928_Summer_Olympic_venues
lat	52.15
long	5.38333
homepage	http://www.amersfoort.nl
populationDonym	Amersfoorter
settlementType	City and Municipality
abstract	Amersfoort [aː.mɛrs.ˌfʊːrt] is a municipality and the second largest city of the province of Utrecht in central Netherlands. The city is growing quickly but has a well-preserved and protected medieval centre. Amersfoort is one of the largest railway junctions in the country, because of its location on two of the Netherlands' main east-west and north-south rail lines. The city celebrated its 750th birthday in 2009.
isPrimaryTopicOf	http://en.wikipedia.org/wiki/Amersfoort

Table appearance

A table appearance is used to represent the result of a SELECT-query. The resulting rows are displayed in paged table. Every variable is displayed as a column.

Laat

Toon rijen

Zoeken:

person	birthday	description
Joachim Gruppelaar	1911-10-24+02:00	Dutch equestrian
Johan van Oldenbarnevelt	1547-09-14+02:00	Grand Pensionary of Holland
Johannes Heesters	1903-12-05+02:00	Dutch actor, singer and entertainer
Johannes Withoos	1648+02:00	Dutch Golden Age painter
John van den Brom	1966-10-04+02:00	Dutch footballer and manager
Jordanus Hoom	1753+02:00	19th century painter from the Northern Netherlands
Joshua Livestro	1970-12-16+02:00	Dutch columnist and political writer
Kas Oosterhuis	1951+02:00	Dutch architect
Lambert van Noort	1520+02:00	Southern Renaissance painter
Lars van der Haar	1991-07-23+02:00	Dutch cyclist

31 tot 40 van 67 resultaten

Vorige 1 2 3 4 5 6 7 Volgende

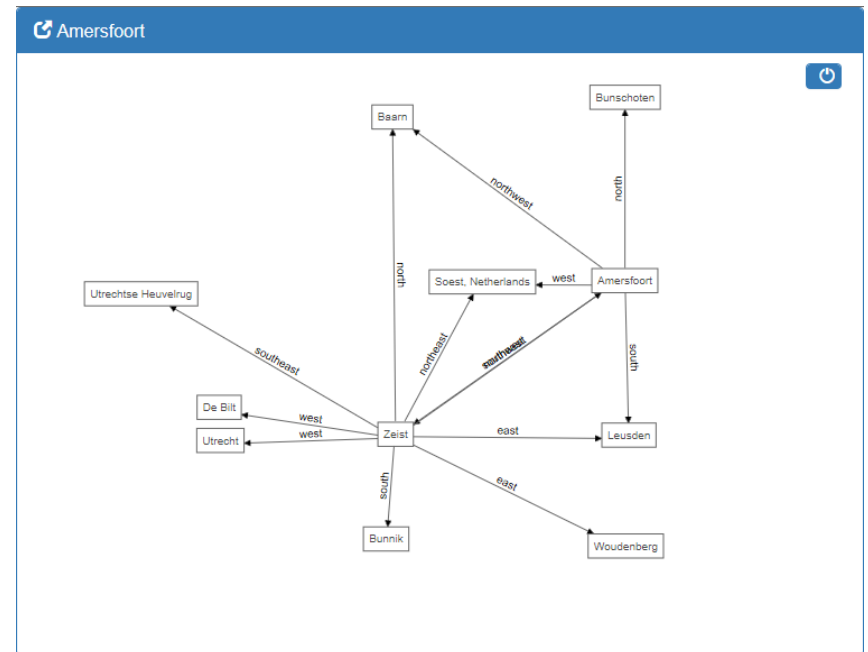
Carousel appearance

A carousel appearance is a specific kind of content appearance. Every table will appear as a separate page in the carousel.

Piet Mondrian	
label	Piet Mondrian
description	Dutch painter
birthDate	1872-03-07+02:00
comment	Pieter Cornelis "Piet" Mondriaan, after 1906 Mondrian (Dutch pronunciation: [ˈpit ˈmondrijaːn], later [ˈmondriːɔŋ]; March 7, 1872 – February 1, 1944) was a Dutch painter. He was an important contributor to the De Stijl art movement and group, which was founded by Theo van Doesburg. He evolved a non-representational form which he termed neoplasticism.

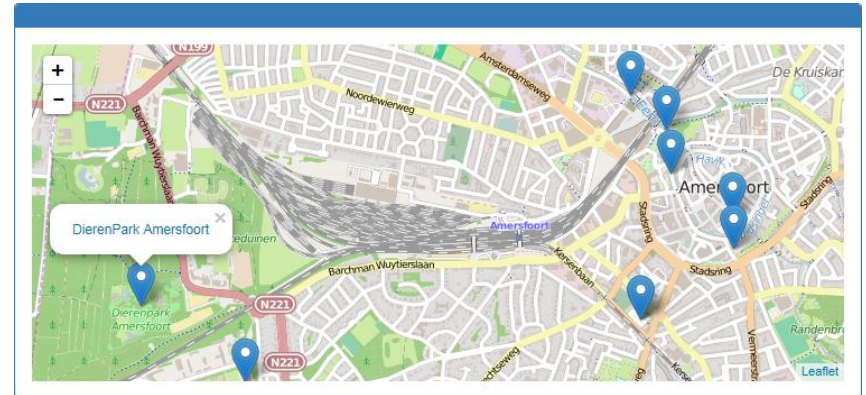
Graph appearance

The graph appearance creates a graphical representation of the linked data, using rectangles for items and arrows for the relations between the items. Users can expand the graph by selecting an item. All relations to and from that item will appear.



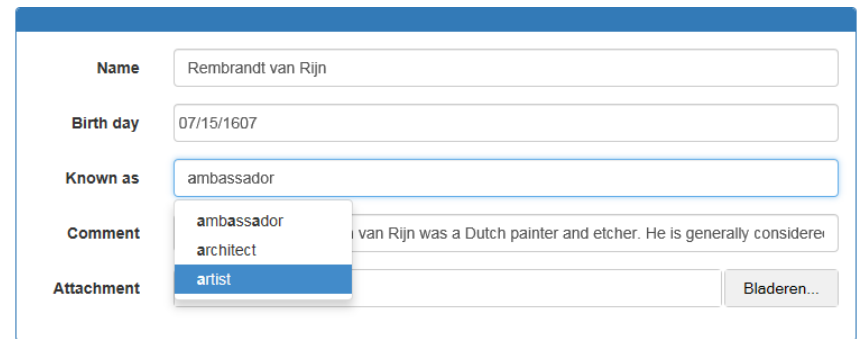
Geo appearance

- The geo appearance shows a map of the world, including reference points from the query result.



Form appearance

- A form appearance is used to give a user the opportunity to enter data. Support is available for various data types, such as date pickers, text input, file upload and selecting a value from a list.



The image shows a web form with the following fields and values:

- Name:** Rembrandt van Rijn
- Birth day:** 07/15/1607
- Known as:** ambassador
- Comment:** van Rijn was a Dutch painter and etcher. He is generally considere
- Attachment:** Bladeren...

A dropdown menu is open under the 'Known as' field, showing a list of suggestions: 'ambassador', 'architect', and 'artist'. The 'artist' option is currently selected and highlighted in blue.

Text Appearance

For displaying “regular” documents, a text appearance is available.

Wet van 4 juni 1992, houdende algemene regels van bestuursrecht (Algemene wet bestuursrecht)

Hoofdstuk 1. Inleidende bepalingen

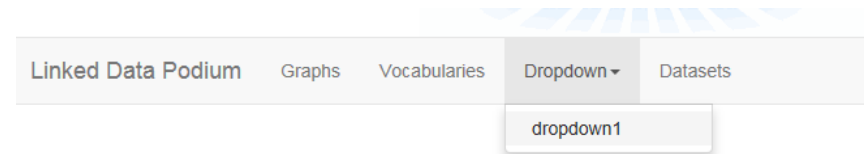
Titel 1.1. Definities en reikwijdte

Artikel 1:1

- 1 Onder bestuursorgaan wordt verstaan:
 - a. een orgaan van een rechtspersoon die krachtens publiekrecht is ingesteld, of
 - b. een ander persoon of college, met enig openbaar gezag bekleed.
- 2 De volgende organen, personen en colleges worden niet als bestuursorgaan aangemerkt:
 - a. de wetgevende macht;
 - b. de kamers en de verenigde vergadering der Staten-Generaal;
 - c. onafhankelijke, bij de wet ingestelde organen die met rechtspraak zijn belast, alsmede de Raad voor de rechtspraak en het College van afgevaardigden;
 - d. de Raad van State en zijn afdelingen;
 - e. de Algemene Rekenkamer;
 - f. de Nationale ombudsman en de substituut-ombudsmannen als bedoeld in [artikel 9, eerste lid, van de Wet Nationale ombudsman](#), en ombudsmannen en ombudscommissies als bedoeld in [artikel 9:17, onderdeel b](#);
 - g. de voorzitters, leden, griffiers en secretarissen van de in de onderdelen b tot en met f bedoelde organen, de procureur-generaal, de plaatsvervangend procureur-generaal en de advocaten-generaal bij de Hoge Raad, de besturen van de in onderdeel c bedoelde organen alsmede de voorzitters van die besturen, alsmede de commissies uit het midden van de in de onderdelen b tot en met f bedoelde organen;
 - h. de commissie van toezicht betreffende de inlichtingen- en veiligheidsdiensten, bedoeld in [artikel 64 van de Wet op de inlichtingen- en veiligheidsdiensten 2002](#).
- 3 Een ingevolge het tweede lid uitgezonderd orgaan, persoon of college wordt wel als bestuursorgaan

Navbar appearance

A navbar appearance creates a navbar with drop down menus and menu-items.



Search appearance

A search appearance is normally used with a navbar appearance, and creates an appearance that contains a search entry-field, plus the functionality to retrieve search results from the entered search query.

