Website Sitemap

This document provides input for the new Ontos website. Based on the palantir.com site.

Pictures available within:
https://drive.google.com/a/ontos.com/folderview?id=0B6eVs6-sGuGDZ2k0eWIyMnNyTTQ&usp=sharing

Mainly use corporate identity pictures:
biella
callcenter
beemer
auto
op
title
times

WordPress installation and Theme "Minamaze Pro"
http://demo.thinkupthemes.com/?theme=Minamaze

Sitemap Structure:

Navigation top:

left side Ontos Logo (HOME)
right side: Products Solutions Research About Contact Log In

Log In - Calls our LDS for demo purposes

Footer Section:
© 2016 Ontos AG   Terms of Use   (maybe have possibility to add social network links such as FB, Twitter, LinkedIn)

HOME

(based on the example of https://www.palantir.com/)

Banner

(Note: Inside the banner place picture:)

Text inside Banner

BRING MEANING TO DATA
Solving today's challenges of Big Data by linking information from different heterogeneous

data silos transforming organizations the way they use their data. Enabling government, commercial and non-profit organisations in the world to solve problems and enable them to make better decisions.

<Below the banner>

Big, Data, Linked, Decision

We build products that address today's challenges of complexity, heterogeneity and scalability to enable intelligent search, analysis and better decisions. We bring meaning to data independent of their source using our proven technology.

Products

(This page is according the idea of https://www.palantir.com/palantir-gotham/)

Ontos Eiger

Overview

Banner

The idea would be to inject a simple video of ontos.

Text inside Banner

Ontos Eiger
Extraction, Linking and Fusion, Explore and Analyse all of your organisational and web data.

How we do it

< some nice symbol/graphic>

Start with Data Silos

Organizations have many data silos that are disconnected. Data can be structured like databases, spreadsheets or log files. Unstructured data like documents, external news sources, tweets, images and videos. They are exponentially increasing in volume and complexity and it becomes almost impossible to handle them on a daily base. People need to ask questions about internal and external data independent the format, size or language. People need to make better decisions in terms of organisations challenges they face.

< some nice symbol/graphic>

Link and Fuse Data based on domain knowledge

Using a domain model that describes the meaning of the data is the starting point to map all relevant data silos. Based on the mapping the structured and unstructured data is transformed into a flexible and meaningful set of objects and relationships: people, products, organisations, locations and the connections between them. The Ontos data flow links and fuses similar objects to gain more in depth knowledge.

< some nice symbol/graphic>

Storage and Querying

The new linked data is stored in a secure graph based system based on the W3C standards such as RDF and SPARQL. Data can be immediately queried using SPARQL.

< some nice symbol/graphic>

Search, Browse, Explore and Analyse

Ontos supports a variety of data interaction tools. The user can use the enhanced search across all data silos, filter the data by meaningful objects, visualise the data as network graphs and analyse the information. The human centric dashboard provides a holistic view to all data and improves the efficiency by lowering the switching time between various applications. The dashboard can be easily integrated into other context-aware applications such as a CRM system for example.

Platform

(is submenu of Products - analog to https://www.palantir.com/palantir-gotham/platform/)

Ontos Eiger

The Ontos Eiger comprises a suite of modules for integrating, linking, exploring and analysing many different data silos. The back-end is based on the W3C standard, especially the linked data paradigm. The build in store serves as the enterprise knowledge graph or corporate knowledgebase.

Domain modeling

Instead of the classical entity relationship model (ERM), Ontos models are flexible by using the W3C standard of RDF and OWL. The graph based approach of real world entities like "people", "location", "product" or "organisation" including their attributes allows a fast development of the domain knowledge. Based on those models (ontology) we can on the fly define and re-define the model and map it to the various heterogeneous data sources. No programming is required and therefore increases the efficiency and lowers the costs during design, development and ongoing support.

MINER

MINER is one of the flagship module that allows to work with natural languages. We use neural networks and deep learning to train MINER in order to extract from natural language text objects like "people", "location" or "products". In the near future we will be able to analyse the semantic relation between the objects like "people work at company", understand facts such as "company was bought for x $ on date y" and extract the sentiment and mood. The extracted information is transformed and linked within the platform and stored in the enterprise knowledge graph.

QUAD

QUAD is the backbone to store the enterprise knowledge within graphs. We combine semantic and graph technologies supporting triples/quads while maintaining the standard of W3C such as RDF and SPARQL 1.1.
Based on QUAD you can run complex queries to support enhanced search and analytics helping companies make better decisions.
QUAD is a lightweight deployment allowing to run the graph store on mobile devices including smart phones, tablet and raspberry.

XTRACT

Extract essential information from structured data silos. We can map to the domain knowledge (ontology) to structured data sources such as Relational DB, CSV, XML/JSON or RDF and access those data sources directly from our workbench.

LINKER

Intelligent entity linking and disambiguation. Extracting knowledge from various heterogeneous data sources is not enough if you are not able to link them together in order to gain more in depth insight into your data. LINKEd allows a (semi) automatic linking of the entities using for example the owl:sameAs link. Through this method your knowledge graph of linked information is growing and proving more actionable knowledge for better decisions.

Big Data, Scalability and Security Controls

Ontos Eiger relies on proven technologies such as Apache Spark, HBase, Cassandra and Kafka. Built on top of those technologies we developed our own modules to handle the large data flows, streams and text pipeline processing.
Through settings we can assign users a variety of access permissions. Specify if a graph is private or public and

Machine and Deep Learning

We are continuously improving our machine and deep learning module to understand patterns inside the data. Currently tuned to understand patterns in natural language text but in the near future we will apply the approach to identify patterns in all aggregated data inside the knowledge graph in order to make better predictions supporting user to make better decisions.

Applications

(is submenu of Products - analog to https://www.palantir.com/palantir-gotham/applications/)

On the front-end, Ontos provides a set of integrated tools for semantic, faceted and full-text analysis. This area is being updated on a regular base with new functions.

Screenshot/Picture	**Graph Visualisation** The graph visualisation provides a visual representation of the objects and relations. The objects like person, product, organisation are represented visually as networks of nodes and edges. The graph visualisation can be connected with other data analysis tools such as bar charts.
Screenshot/Picture	**Semantic, Faceted and full-text Search** A set of interconnected widgets are integrated inside of a dashboard allowing the user to make full-text, semantic and faceted search over the data silos. The application also allows automatic enrichment and visualisation of linked datasets like DBpedia.
Screenshot/Picture	**Individual Dashboards** Ontos is built the way that customers can design and deploy their own dashboards. Our frameworks provides a simple way to add multiple widgets inside a dashboard and specify how those widgets intercommunicate. The resulting dashboard can be easily deployed in other context-aware applications.

Solutions

(Analog to https://www.palantir.com/solutions/)

Text inside the Banner
(Background picture of the banner:)
Our products are used throughout different organisations to quickly design and deploy solutions.

Screenshot/Picture	**Linked Open Government Data** Governments can integrate, link and publish datasets via a SPARQL endpoint. By this way governments enable a new economy that builds new applications on

	top of the open government data for users in different industries.
Screenshot/Picture	**Law Enforcement** Supply agencies with the intelligence to investigate, analyse and report to crime as it happens. Discover hidden connections and interlink objects with different databases in order to identify crime activities.
ScreenShot/Picture	**Financial Services** Analysts need to asses large volume of data to make decisions and recommendations. Investigate facts, events and sentiment will allow to predict markets, interest rates and stocks.
Screenshot/Picture	**Custom Solutions** Together with our customers Ontos designs, develops, and deploy new solutions against a variety of different problems using the Ontos platform.

Research

Ontos is engaged in research activities with leading Universities and institutes with the aim to continuously enhance the Ontos functionality to the benefit our our customers. We present our current and past research projects. All of them are bound to Big Linked Data and the generation of knowledge from heterogeneous data silos.

<two column layout below Research Banner>

	Hobbit Ontos is involved in the EU H2020 funded project "Holistic Benchmarking of Big Linked Data". HOBBIT is driven by the needs of the European industry. Thus, the project objectives were derived from the needs of the European industry (represented by our industrial partners) in combination with the results of prior and ongoing efforts including BIG, BigDataEurope, LDBC Council and many more. The main objectives of HOBBIT are: ● Building a family of industry-relevant benchmarks, ● Implementing a generic evaluation platform for the Big Linked Data value chain,

	● Providing periodic benchmarking results including diagnostics, ● (Co)-Organizing challenges and events, ● Supporting companies and academics. More about the project at http://project-hobbit.eu
	DIESEL The aim of this project is to develop a highly scalable distributed search engine of disparate sources using the linked data paradigm and applying a question answering infrastructure. The research address topics such as federated queries, data distribution, co-existence of keyword based and semantic search. More about the project at diesel-project.eu
	QAMEL Developing a framework that enables mobile devices for question answering solutions. We will integrate voice and natural language query processing that will interact with the QA device. Within the project we will further enhance our Miner and OntoQuad modules. More about the project at http://qamel.eu/
	LEDS LEDS is a German research project, funded by the BMBF in its innovation framework "Unternehmen Region" that focuses on the development of a new generation of semantic, data-driven applications based on the Linked Data paradigm. The LEDS consortium will develop a state-of-the data integration platform based on the Linked Data paradigm. It will allow converting unstructured, structured and semi-structured data into RDF. More about the project at http://www.leds-projekt.de/
	GeoKnow Enhancing the linked data lifecycle for geospatial information. Together with the partners we have built a over 50 new open source software components allowing to extract, transform, store and explore geospatial data. More about the project at http://geoknow.eu/

	SAKE Together with our partners we are tackling the problem of Big Data and Analytics. Semantic Analysis of Complex Events (Semantische Analyse Komplexer Ereignisse "SAKE") is addressing the need to process large amount of data streams, convert them into RDF, link similar objects and store them in a highly scalable RDF store in order to be able to run predictive analytics. More about the project at http://sake.iais.fraunhofer.de

ABOUT

Ontos is a Greek word and means "the authentic essence of being". Adapted to information technology we define authentic essence of a thing like person, product, location or company. With this in mind we established over 10 years ago Ontos AG in Switzerland and started to work on how to design and deploy the right technology that works with any kind of data for the benefit of the user to solve hard problems. With the rise of the W3C standards we adapted our technology to RDF, OWL and SPARQL. We are a strong believer on using proven technologies like from Apache and enhance it with semantic features.

Media Library
<placeholder for videos>

NEWS
The list of published blog posts.
<if possible take over some of our old blog post so we do not start from scratch>

Careers

Open Positions
Currently no open positions.

Contact
(analog to http://www.ontos.com/company/contact/)