DIGITALNXT
SEARCH

WHAT DOES DIGITALNXT SEARCH BRING TO THE TABLE?

THE STORY OF DIGITAL NXT SEARCH >

ORANGENXT

INTRODUCTION

The basis for some of the greatest future innovations may be locked, unseen, in spreadsheets, PDFs and documents. There is an emerging need for disruption in how content is explored. The opportunities created by digital transformation are fueling unprecedented change, driven by advances in Cloud, Data and AI. Still, many organizations face challenges when it comes to dealing with and gleaning knowledge from, the ever increasing amounts of data under their control. These challenges are exacerbated by the wide variety of content types that make up the bulk of this data. Transforming all this content into insights requires extensive time, resources and data science expertise.

EMPOWER YOUR ORGANIZATION

Customers investing in knowledge mining today are seeing tremendous impact resulting in increased business performance and profitability. Financial services firms have reduced the time of financial reporting from months to days, health care companies have been able to create holistic views of their patient data and manufacturing companies have been able to provide engineers with better answers faster to foster customer loyalty. This has led OrangeNXT to a new product digitalNXT Search that is used to empower organizations. A new wave of AI-powered digital transformation with knowledge mining at its heart—enabling organizations to harness this wide variety of content through applied intelligence, dramatically reducing time to market and unlocking new insights that were previously out of reach.

SCATTERED INFORMATION LANDSCAPE

Many enterprises have silos of information in their databases. This separation significantly impacts the retrieval of search results and the speed of data analysis. Compounding the problem are search solutions that can't data mine both unstructured and structured data or make correlations between them. digitalNXT Search provides a search experience to explore and interact with all of a company's collected data (structured and unstructured) and cognitive skills (data mining tools) to help interpret data, saving time and providing valuable domain-tailored insight to help businesses be more efficient and effective.

digitalNXT Search solves the fundamental problem of finding and combining information through extracting domain specific knowledge in a scattered dataspace with limited metadata. We use prebuilt custom cognitive skills and AI to interpret and correlate data, combining Microsoft's suite of generally applicable data mining skills with a set of configurable custom skills. It helps you unlock and share new insights from years of structured and unstructured data, including the knowledge of your company's most experienced staff. You can transform unstructured information into structured information that is both searchable and exportable; allowing it to be re-used for analysis and reporting; helping you understand data and uses acquired insight to quickly resolve and prevent issues.

AI enrichment for image and text analysis can be applied to an indexing pipeline to extract text information from raw content. We make images searchable through Optical Character Recognition (OCR) or image classification with (custom) computer vision models.

digitalNXT search shapes and structures amorphous or ambiguous data, trains and integrate custom made Named Entity Recognition (NER)- and document classification models and (domain) key phrase recognition for more detailed insights. We can also consume and integrate existing Machine Learning (ML) models. We enable you to transfer expert knowledge to a search platform that combines and interrelates information to the benefit of all users.

'FINANCIAL SERVICES FIRMS HAVE REDUCED THE TIME OF FINANCIAL REPORTING FROM MONTHS TO DAYS, HEALTH CARE COMPANIES HAVE BEEN ABLE TO CREATE HOLISTIC VIEWS OF THEIR PATIENT DATA AND MANUFACTURING COMPANIES HAVE BEEN ABLE TO PROVIDE ENGINEERS WITH BETTER ANSWERS FASTER TO FOSTER CUSTOMER LOYALTY'

IMPROVED WORKER PRODUCTIVITY

digitalNXT Search offers easy information access across all content types and improves operational consistency and results across teams. One search bar to search in every relevant data source, to search millions of documents in under two seconds. Provides details on documents that can make time consuming reading unneeded. Autocomplete in the search bar enables type-ahead queries that save time in entering full queries into the search engine, by increasing and optimizing your output, so that you can spend less time on searching information and more time pursuing new revenue opportunities. Delivering more relevant (domain-tailored) responses than other universal search solutions, helping you keep your projects on track. Customizable search synonym lists that can match company and branch specific jargon, that provide detailed data insight that cuts the number of requests that require people to consult colleagues. Semantic suggestions language model that guides users into expanding their query scope when searching. Can help to escape no-relevancy deadlocks and help junior users.

END-TO-END CLOUD SERVICE
A Search-as-a-Service (SaaS), an open platform in the Cloud that makes enterprise data accessible and manageable across subsidiaries, divisions and systems. As a fully-managed Cloud service, digitalNXT Search meets and exceeds compliance. Users can only access the data they are allowed to view and need for their work activities due to configurable security and role management. It save enrichments with externally related information during extraction, helping you design better

skillsets, or structures that target specific workloads or users. It also stores expert user knowledge in the data extraction process, improving knowledge retention across the company and normalizes user performance. Expert users have a better understanding of what content is important and in what shapes and form it can appear. Experts will benefit from other experts and junior users will benefit through having predefined knowledge extraction and representation to learn from, reducing training time for new users.

digitalNXT Search was designed with agility in mind, making it adaptable to almost any enterprise's infrastructure and workflow. A flexible data extraction pipeline used during indexing that is customized to each data source and configured to match the use-case and target domain, but can also consume and integrate existing Machine Learning (ML) models. It combines related information from multiple sources into a complete overview for each record in a fully managed and flexible service to meet any enterprise's unique needs.

MORE INFO?
For more information about digitalNXT Search and its capabilities, please contact us - you will find our contact details below.

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