

bi Enterprise Content Management

Transform data into knowledge



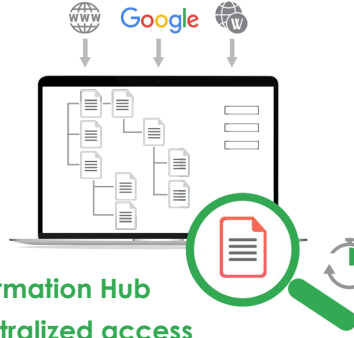
challenge

Data explosion
- let's go digital

Digital transformation - biECM



Data silos
Dark data
Unstructured data
Huge data volumes



Information Hub
Centralized access
No-brainer search
Automated knowledge extraction

EOSC infrastructure
and ML/DL services



DATA SOURCING

Sharepoint
Samba
OneDrive
Web scraper

PROCESSING

Python
Tesseract OCR
TensorFlow
Keras
Scikit-learn
Docker

KNOWLEDGE

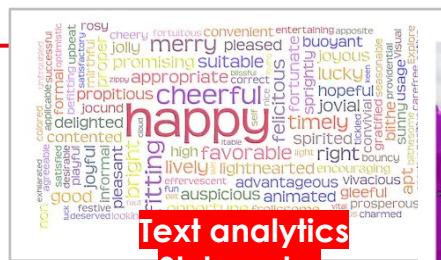
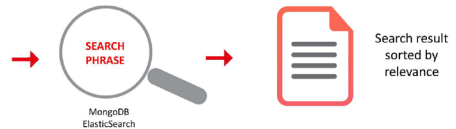
CLASSIFICATION # TAXONOMIES
KEYWORDS # NAMED ENTITIES
SUMMARY # METADATA
SIMILARITY # RECOMMENDATIONS

Architecture

- Commodity hardware (8 CPU, 40 GB RAM)
- Open source software components
- Microservices – scalable, open architecture
- Secure – Active Directory Integration

Performance

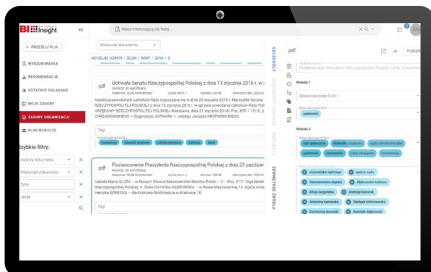
- Average doc processing <1m
- Search < 1s



Text analytics
Stylometry



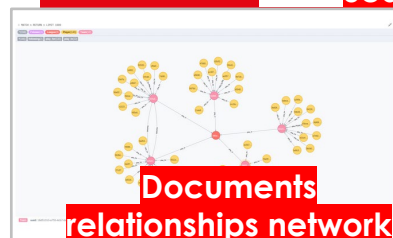
Image processing
Search with picture



• Launching a demo version of the biECM in the cloud



- Validating the potentials of the services created in the DEEP
- Hybrid Datacloud and investigating possible integration
- Plans for onboarding in EOSC marketplace
- Embed a production instance that would be commercially available to clients in the cloud model.



Documents relationships network

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