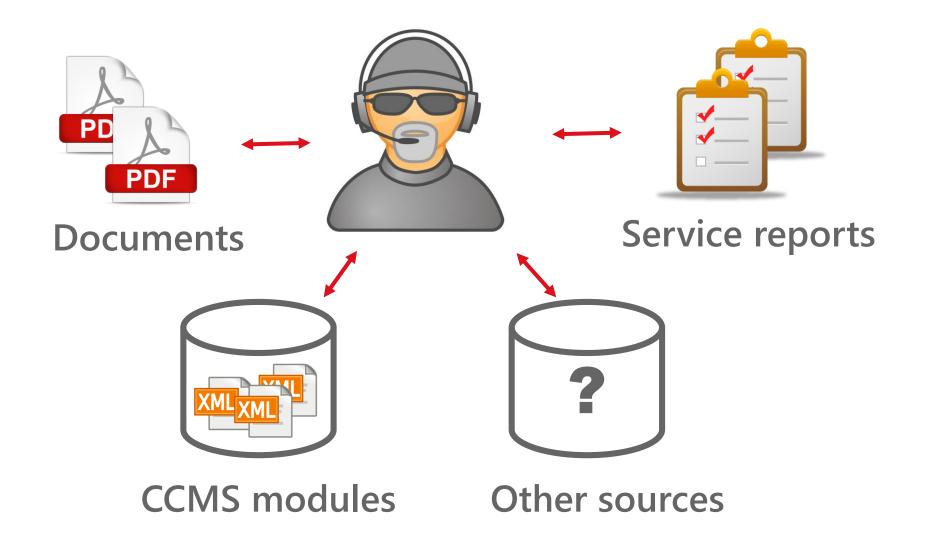
Efficient Information Retrieval for Service Technicians

Utilizing Machine Learning and Linked Data Technologies

Jan Oevermann



Current situation





Semantic annotation

Heterogenous data sources

Machine Learning

Unified Linked Data annotation



XML



Classification



Component

Information type

Lifecycle phase



PDF



Segmentation



Component

Information type

Lifecycle phase



TXT



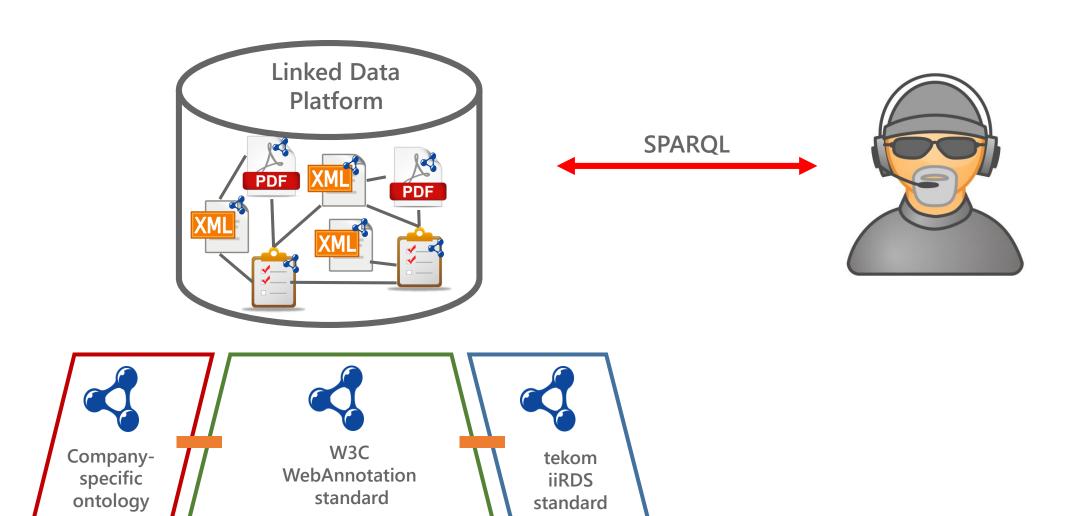
Autocompletion



Component

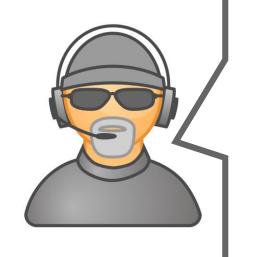


Information integration





Basis for User Assistance



"I need to do maintenance

on this **ACME** machine.

The hydraulic pump seems

to be dirty.

How should I proceed?"







Full text keyword: "dirty"



Look at acme_machine.pdf on pages 15-16



Jan Oevermann

PhD candidate at University of Bremen and Karlsruhe University of Applied Sciences

jan.oevermann@hs-karlsruhe.de

REFERENCES

janoevermann.de

DEMO

dev.fastclass.de semantics.fastclass.de

IN COOPERATION WITH







Example: PDF segmentation



