



AUTOMATION AND ANALYSIS OF DEPENDENCIES

Effective planning and optimization requires data on production processes, suppliers, customers and systems along the entire supply chain. Knowledge management in the context of Industry 4.0 is changing the way information and data are handled. The question is: How do you make use of this flood of data? In most cases, this requires not only a suitable data strategy and architecture, but also a broad spectrum of knowledge, the basis of which can be provided by experienced employees and experts from the respective specialist areas. Combined in a strategy, digital technologies and knowledge management offer enormous potential for the industry.

The qbilon GmbH offers a SaaS-platform for the automatic collection and optimization

of hybrid IT landscapes. This platform brings together information that comes, for example, from cloud platforms, virtualization software, DevOps tools or integration solutions such as Orchestra into a comprehensive IT map. IT decision-makers thus gain valuable insights into their IT assets and their dependencies and can thus greatly reduce IT costs incurred, quickly identify reasons for failures and significantly relieve IT staff through automatic documentation.

Challenges

- Highlighting indirect dependencies across Orchestra services and signals
- Linking Orchestra data with information about the IT infrastructure and application landscape

- Identification of complex and hidden dependencies in the system
- Ability to detect critical system parts ("single points of failure") and perform failure analyses

The Benefits at a Glance

By automating the holistic visualization and analysis of dependencies in the SaaS platform of qbilon GmbH through Orchestra, holistic error analyses could be performed. This includes Orchestra-specific processes, applications, the IT infrastructure, responsibilities and processes. The identification of error causes is thus faster and easier. In addition, stability and security could be increased by optimizing data flows. For this purpose, weak points are identified based on analyzed data flows. In addition, the

effects of failures in the Orchestra processes can be detected. Finally, the implementation of the project with Orchestra enables the identi-

cation of the processes affected by failures and offers the possibility to inform the responsible persons. ●

How was the project implemented?

In cooperation with soffico GmbH, Orchestra was able to realize the processing of dependencies on different abstraction levels. The resulting cross-scenario processing of the data enables the calculation of indirect dependencies via events. In addition, information and data flows could be explicitly represented. In addition, information provided by Orchestra could be supplemented with external data on the IT infrastructure, various applications and responsibilities as well as products or services.

You want to learn more?

If you have any personal or further questions about this success story, our experts will be happy to help you. We would also be happy to present Orchestra to you personally in a live demo!

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