KMK 2019 B2 Reading and Mediation

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Aufgabe 2: Leseverstehen (Reception) **20 Punkte**

Ihr Chef ist im Internet auf einen Text über *Industrial Internet of Things (IIoT)* gestoßen und beauftragt Sie, ihn hinsichtlich der Bedeutung für Ihr Unternehmen auszuwerten.

*Lesen Sie den Artikel auf den Seiten 5 und 6 und notieren Sie die relevanten Informationen auf **Deutsch**.*

Industrial Internet of Things (IIoT)			
1.	Ziel der Zusammenarbeit in Sachen Entwicklung von IIOT Anwendungen von *TipCloud* und *FoggBase*:	• •	2
2.	Erreichen des Ziels der Zusammenarbeit durch:	• •	2
3.	Zweck des *TipClouds*-Sensor-Service:	• • •	3
4.	Voraussetzung für die Nutzung der Vorteile von IIoT:	• •	2

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Fortsetzung zu Aufgabe 2: Leseverstehen (Reception)

5.	Einsatzbereiche von IIoT:	• Beispiel: • Beispiel:	2 2
6.	Vorteile der Einbindung der Technologie von *FoggBase*:	• •	2
7.	Vorteil sogenannter „edge analytics“:		1
8.	Stärken der Plattform von *ESplunt*:	• •	2
9.	Typisches Problem bei der Umsetzung		

9.	Typisches Problem bei der Umsetzung der Echtzeitanalyse:		2

Text zu Aufgabe 2 Leseverstehen (Reception)

TipCloud and *FoggBase* partner to boost the Industrial Internet of Things while *ESplunt* intros IoT platform for industrial operations

FoggBase Systems and *TipCloud* have announced a partnership to develop solutions for Industrial Internet of Things (IIoT) applications. *ESplunt* announced the launch of its first platform built specifically for the Internet of Things.

Also, industrial edge computing solutions provider *FoggBase* said that the collaboration with *TipCloud's* IoT Core is aimed at "simplifying the deployment and maximizing the business impact of IIoT applications."

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Fortsetzung zu Aufgabe 2: Leseverstehen (Reception)

This is to be reached by integrating *FoggBase's* analytics tool and machine learning system with *TipCloud's* IoT Core with industrial IoT and the IIoT market specifically in mind.

One company focuses on storage capacity and solutions, while the other one is a specialist in analyzing data. Bringing both together will largely improve the company efficiency.

TipCloud's IoT Core, which has recently been made generally available, is an IoT sensor service for managing IoT devices, connecting them, and ingesting IoT-based information.

"Generally", said Jim Passo, Head of IoT Product Management at *TipCloud*, "the benefits of the IoT for business depend on the particular implementation, and on the question whether enterprises have access to data about their own products and their own internal systems. And as a result they have a greater ability to make changes. The fields of application can be divided into two segments: industry-specific offerings like sensors in a generating plant, on the factory floor or real-time location devices for healthcare or as part of Big Data analysis in order to streamline industrial processes and business operations, and IoT devices that can be used in all industries, like smart air conditioning or security systems."

With its range of applications Industrial IoT is considered a key cornerstone of Industry 4.0.

By bringing *FoggBase's* technology to the mix, the data collected can now be spread to the edge of IoT networks, improving visibility into the factory floor, supply chains, and industrial operations.

This information can also be used for machine learning systems and machine-to-machine communications.

This information can also be used for machine learning systems and machine-to-machine communications.

Edge analytics can improve data gathering and analysis at the points of collection, which can also improve latency and network efficiency.

The companies say that the combination will especially be of use to industrial players in the manufacturing, oil, gas, mining, and energy industries, among others.

"Our integration with *TipCloud* harmonizes the network workload and creates new efficiencies from the edge to the cloud across a range of dimensions," said Daniel Quint, CEO at *FoggBase*. "This approach simplifies the rollout of innovative, outcome-based IIoT initiatives to improve organizations' competitive edge globally, and we are thrilled to bring this collaboration to market with *TipCloud*."

Another company in this field of business is *ESplunt*. The San Francisco-based company is highlighting the platform's real-time analytics and alerting capabilities, which *ESplunt* says will let customers pivot their operational strategy from reactive to proactive.

"Real-time analytics is an absolute must for manufacturers today, but most organizations are struggling to bridge the gap between legacy systems, industrial assets and sensor data," said Phil Dean, SVP of business operations and strategy and GM of IoT Markets for *ESplunt*.

"*ESplunt* IAI provides a single solution that ensures industrial systems are running at full capacity, enabling organizations to significantly save resources and money on unplanned downtime."

Aufgabe 4: Texte wiedergeben (Mediation) **30 Punkte**

Ihr Unternehmen ist im Bereich der API (Application Programming Interface)-Entwicklung tätig. Stellvertretend für Ihren Chef haben Sie die Fachmesse DIGITAL FUTUREcongress in Frankfurt besucht und Informationsmaterial mitgebracht. Sie fertigen für die nächste Besprechung eine deutsche Fassung von dem Auszug der vorliegenden Trendstudie an.

*Übertragen Sie den Inhalt des folgenden Textes sinngemäß **ins Deutsche**.*

Benutzen Sie für Ihre Fassung die Vorlage auf der nächsten Seite (S. 10).

The API-composable enterprise also needs to be API-integratable

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Are we getting any closer to the vision of the "composable enterprise", in which APIs can be designed -- to quickly and easily respond and integrate with existing systems as businesses require? If the results of a recent survey of 400 developers tell us anything, we're getting there, but it's still a work in progress.

API integration takes precedence. Connecting to an API, and truly integrating with an API are not the same -- developers and API providers alike must consider all aspects of integration and find ways to standardize and simplify this process. The continued growth of public APIs that are open to any developer will be paired with pre-built integrations that nontechnical consumers can implement easily to streamline processes.

Some industries are ahead of the game. Developments will be spurred in particular by verticals such as FinTech, banking, healthcare, and human capital management.

Event-based integration will become a greater part of the API scene. Expect further support for event-based integration, which is a feature commonly requested by developers, but that has commonly been unavailable for apps currently on the market.

The organizations which are just beginning to invest in their API infrastructure are quickly realizing how far behind they are when it comes to the efficient delivery of data and content to web and mobile applications, as well as the ability to work with Internet-connected devices, and take advantage of the benefits of machine learning and artificial intelligence.