CONTAINER MONITORING
WITH THE ZIS SYSTEM

Monitoring your containers and microservices
CONTAINER MONITORING

In order to keep the administration of container systems up to date, the relationship between containers must be identified. Container monitoring by LeuTek registers and displays everything that happens in the container environment.

**Container monitoring**

The ZIS System provides a comprehensive overview of the container infrastructure. Orchestration tools such as Kubernetes and OpenShift can be monitored.

You can monitor the performance and availability data of container services in an efficient and automated way. This allows overall monitoring that includes all your container providers. You can use the result for assessing availability and performance of your IT and business services. It depends on the API of the pertaining container cluster what metrics can be monitored.

**Key facts:**
- The ZIS System as central monitoring solution for container orchestration software whether it is cloud based or on premises
- Web service APIs per orchestration tool
- Detecting container infrastructures
- Measuring performance data and availabilities of microservices
- Transparent container environment including their nodes, pods and namespaces
- Long-term archive for performance and availability data
- Microservices are taken into account for calculating total service
- Integrated E2E management allows holistic view on end-user experience
- Transparency whether agreed SLAs are met
- Integrated alarm management
- Central dashboards over all containers
THE EASY WAY OF CONTAINER MONITORING

The ZIS container solution collects data on status, availability and performance of important microservices.

A ZIS connector is used for communication with the orchestration tools. The ZIS System queries metrics at regular intervals and evaluates them. The integrated alarm feature informs the persons in charge when a problem or outage occurs. In central dashboards you can see all relevant data.

Container queries
Since a query can be quite comprehensive, we provide container queries for some components to be used „out of the box“. You can create or extend these queries to meet your requirements. Actions such as alerting are included. The queried metrics are stored in the ZIS System and are available for long-term analyses for up to 5 years. This is how you can provide to your customers consolidated dashboards over all metrics in the ZIS System both for container applications and virtual and local systems.

Container discovery
When accessing the container service account, the container infrastructure of the providers is automatically detected; the monitoring structure for the container resources is then created in the ZIS System. If the container infrastructure is extended, new resources are automatically added to the existing monitoring infrastructure. The discovery feature of the container resources transfers data to the CMDB. This ensures the CMDB always to be up to date.
LeuTek GmbH, based in Leinfelden-Echterdingen (greater Stuttgart), has been a leading manufacturer of IT monitoring solutions in German-speaking countries since 1984.

The company covers the entire development and implementation of the monitoring solution, the know-how transfer to the pertaining IT departments as well as support and maintenance of the software. Based on its longstanding experience, LeuTek can factor in individual customer requirements and offer tailor-made solutions.

Since 2006, LeuTek GmbH has been member of the USU group. As part of the group, LeuTek provides a product and system portfolio covering all ITIL® disciplines. In the areas of event management, availability management and capacity management, the ZIS System has been awarded the PinkVerify™ certification. Thus, we ensure standardized and service-oriented IT service management.