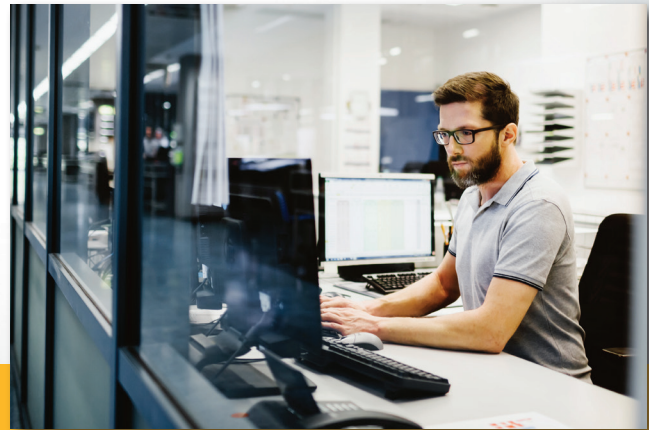


Cloud solution for Remote Condition Monitoring Services

Frequently asked questions

For wired online devices and Omnitrend Center Software



Q: Why do I need it?

A: Fluke Reliability provides a cloud-based **Remote Condition Monitoring** Service solution with wired online devices and the OMNITREND Center diagnostic software. Having OMNITREND Center hosted on cloud allows experts from Fluke Reliability to analyze and evaluate your data most efficiently.

Q: Will I have access to the data?

A: Yes, with an annual subscription, you can get access to vibration data in OMNITREND Center through a virtual desktop. We provide ready-to-go AWS workspaces with OMNITREND Client installed.

Q: What are the key advantages of cloud hosting?

A: Switching gears from an on-premise infrastructure toward managed cloud services has the following advantages:

- Data accessibility from wherever you have an internet connection
- Flexibility through scalability. Our solution scales as your company grows.
- Lower Total Cost of Ownership (TCO) and higher Return on Investment (ROI)
- Simplified operations. No more worrying about installing the latest security patches on your on-premise system.

Q: What's the data flow?

A: VIBGUARD systems continuously capture vibration and process data, which is picked up from the Fluke PT Link software and runs on an industrial edge PC (implemented next to the VIBGUARD). Diagnostic data are sent outbound to the OMNITREND Center server on cloud.

Q: How is data transfer encrypted?

A: All traffic between your on-site network and cloud network is encapsulated through VPN tunnel and SSL/TLS encrypted. We have updated our solution to the latest industry-recommended versions to avoid man-in-the-middle attacks.

Q : What inbound and outbound ports need to be open?

A : No inbound ports need to be open.

The following outbound standard ports (according to IANA) need to be allowed through your firewall settings:

Type	Ports	Direction	Purpose
TCP	443	Outbound	Data transfer to OMTc through OpenVPN
UDP	1194	Outbound	OpenVPN communication
TCP	943	Outbound	OpenVPN optional

Q : Where is all my data hosted and how is data protected?

A : Data is hosted on a cloud infrastructure at regional data centers provided by AWS (Amazon Web Services) – one of the most secure cloud computing environments available. Our cloud service provider uses state-of-the-art electronic surveillance, multi-factor access control systems, and 24x7 staffing at its data centers. The servers have built-in firewalls, encrypted data storage and secure access specifically designed to protect your data. Intrusion Prevention Systems and Intrusion Detection Systems are in place. User portals are not exposed directly to the internet but are behind application load balancers with SSL termination.

Q : Who can view my data once stored in the cloud?

A : Only dedicated experts in Fluke Reliability have access to the cloud applications. Access is specified through user management.

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