



The new Mainframe for Edge Computing and Industry 4.0

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Is Big Endian continuously the right name?

Agenda

- A funny conversation with IBM
- Mainframes
- The new Mainframe release
- Edge Computing and Industry 4.0
- Cloud Native Computing
- Real-Time Systems (Protection)
- Is Big Endian the correct name?
- Q & A



A funny conversation with IBM



I am switching to IoT. The mainframe is a thing for me.

Edge Computing.

Cloud Native Computing

Real-Time Systems

3th April

How about a birthday present?

No problem. We want to release a mainframe for IoT.
Tell me the keywords.

That is also possible.
Next one.

Also.

When is your birthday?

That is also included.
What can we do with you?

That is a perfect match for our release day.

Mainframes

- Large high-performance computer systems
- Big Endians
- Architecture s390x
- Used for mission-critical data
- Thousands of VMs can run on such a system



<https://www.ibm.com/it-infrastructure/z/hardware>

IBM LinuxONE Rockhopper 4



- Special configuration for Linux
- Additional rack-mount model
- Small version available
- Match also for the industry



Edge Computing & Industry 4.0

- Executed crashing tests for industry
- Matching size for adding to production systems
- Communication with Embedded Systems and other systems possible



Cloud Native Computing



- Support for SUSE Rancher & Red Hat OpenShift
- Support of different Public Clouds
- Kafka and different Message Queues integrable



Real-Time AI

- Integrated cryptography for Real-Time Artificial Intelligence
- Transactional workloads (banking transactions) should be protected and analyzed before execution

Is Big Endian continuously
the correct name?

Questions?

Q & A





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