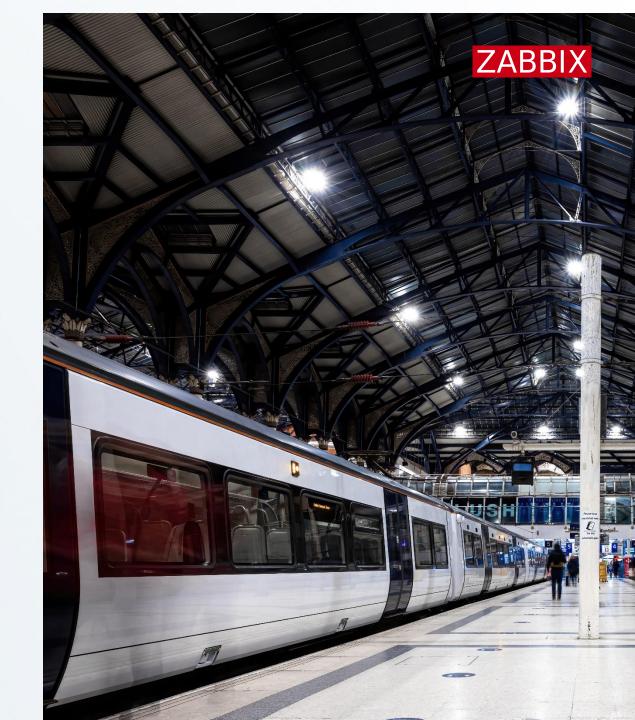
ZABBIX

Case study: Zabbix monitoring of railway infrastructure

- Zabbix is deployed as the monitoring solution in one of Europe's largest railway networks
- Zabbix is used across multiple internal company departments
- Multiple Zabbix proxies are deployed across different data centers
- Monitoring is performed for OS level metrics, service and application states, railway infrastructure availablility

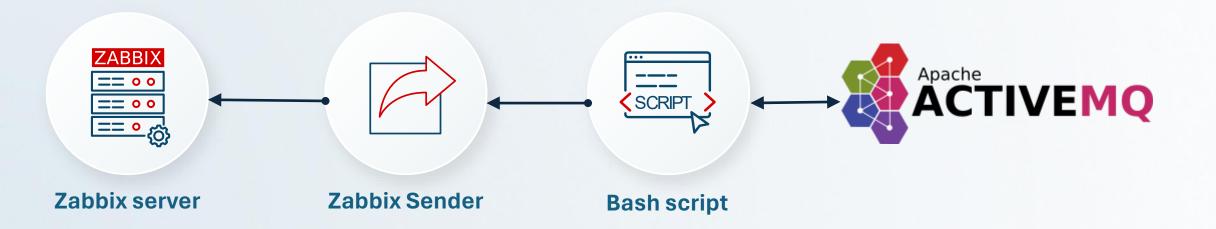


- Zabbix agents are deployed on railway station screens and broadcasting systems
- The devices use Debian OS, therefore they can be monitored on the OS level by Zabbix agents
- In addition, simple ping availability checks are also performed on the hardware



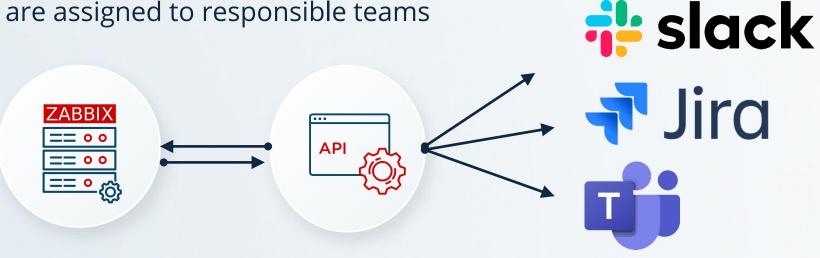


- Zabbix retrieves and monitors data from ActiveMQ
- Data is retrieved via custom bash scripts and sent via Zabbix sender to the Zabbix server and proxies





- Zabbix is integrated with 3rd party ticketing system
- Zabbix API is used to get retrieve the problems related to a specific set of triggers
- Alerts are forwarded to the ticketing system and the issues are assigned to responsible teams



ZABBIX Thank you! Q&A