USU

Fact Sheet

# Smart Baselining in IT Monitoring

## AI-Based, Automatic Threshold Adjustment

**When monitoring complex IT infrastructure, a huge number of measured values are recorded and evaluated. Here, the monitoring is mostly via static threshold values. Exceeding or falling short of the values automatically leads to the responsible administrators being notified, who then establish in subsequent analysis whether there is actually a problem requiring remedial measures.**

The dilemma with this method: if threshold values are set too narrowly, this leads to too much manual analysis that often determines that there was no problem at all. If threshold values are formulated too broadly, problems may potentially remain undetected that can subsequently cause violation of the Service Level Agreement or a service outage.

### Dynamic Monitoring for a Dynamic Business

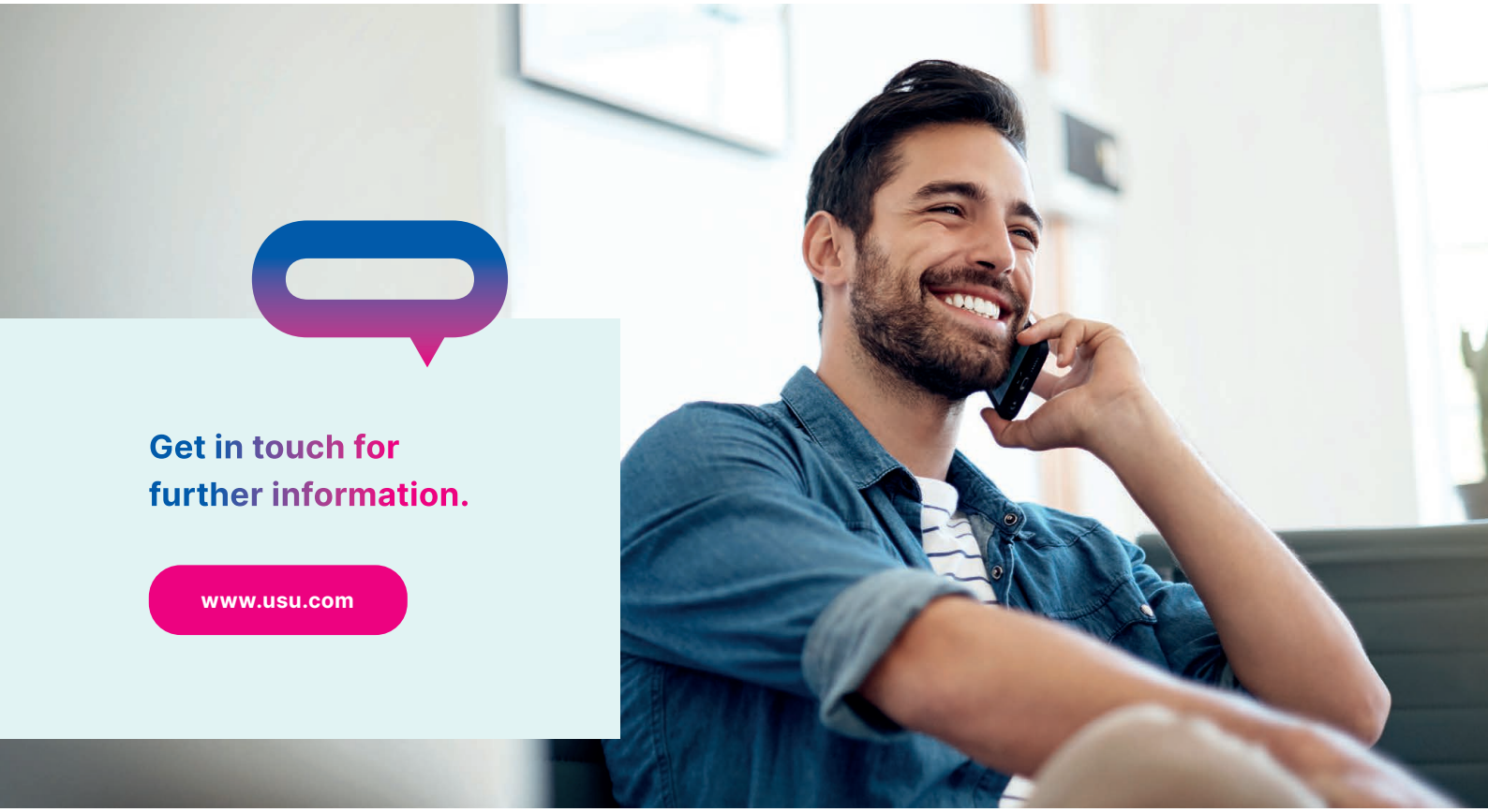
This is where USU's smart baselining method comes into play. An AI-based algorithm continually analyzes the monitoring measurements and automatically adjusts the threshold values according to the situation. The administrators and service managers are therefore only notified in the event of actual anomalies that demand closer consideration.

### How Does Smart Baselining Work?

Using machine learning, the AI algorithm continually analyzes measurement data, such as E2E measurements, server and network performance or data from log entries. Data sets from a rolling time window are retrieved and compared with previous measurements to detect anomalies. An alert is triggered only for patterns that have correlated with a real problem situation in the past. Continuous training on pattern detection takes place based on historical data.


## 5 Reasons to Rely on Smart Baselining

- No specialist knowledge required regarding the measurement values to be recorded.
- Independent learning methods, no ongoing maintenance effort.
- Prevention of false alarms, but swifter responses to anomalies.
- Targeted alerting; Mean Time to Repair (MTTR) is reduced.
- Higher service availability and fewer SLA violations.



## Get in touch for further information.

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