GERMANY

State of Observability in Europe

Key findings from the largest, most comprehensive observability study

2024 Observability Forecast

New Relic partnered with Enterprise Technology Research (ETR) for the 2024 *Observability Forecast* report, which examines the practice of observability, how it's evolving, and the ways external forces influence adoption.

With input from 1,700 technology professionals across 16 countries, it's the largest and most comprehensive study in the observability industry. With digital experiences and business growth at the forefront for businesses, the findings highlight the tangible business value of observability. IT professionals are seeking ways to reduce unplanned downtime, improve uptime, and boost reliability, all while managing key performance indicators (KPIs) through smarter investments in automation and preventative measures. The report shows that organisations prioritising observability have a significant advantage in terms of operational efficiency and business performance.

In Germany, full-stack observability is grounded in a strategic focus on efficiency and cost control, with AI adoption taking precedence.

View a summary of the highlights and key findings in Germany below.

Key findings for Germany

Outages were less frequent, but still expensive

US$2.2M

median hourly cost for high-business-impact outages.

AI drove observability adoption

46%

AI technologies is the top strategy driving observability.

The move towards observability

29%

have adopted full-stack observability.

Deployment and spending trends

68% spend at least $500,000.

55% spend over $1 million.

42% deployed 10 or more observability capabilities.

29% adopted full-stack observability.

Challenges to achieving full-stack observability:

- **28%** too many monitoring tools and siloed data
- **28%** existing IT performance
- **26%** complex tech stack
- **26%** high costs

Top strategies driving observability:

- **47%** AI technologies
- **41%** Security, governance, risk, and compliance
- **29%** Developing cloud-native application architectures

Outages are becoming less frequent, but are still expensive

The median hourly cost for high-business-impact outages in Germany was US$2.2 million—the highest in Europe.

- **63%** calculated downtime to at least US$500,000 per hour
- **63%** took at least 30 minutes to resolve outages
- **50%** calculated downtime cost at least US$1 million per hour
- **50%** took at least 30 minutes to detect outages
- **46%** said system uptime and reliability improved with observability
- **43%** of practitioners reported faster issue resolution
- **42%** said MTTR improved with observability
- **40%** said it made their jobs easier
- **30%** experienced high-business-impact outages at least once per week

Plans for the future

89% planned to deploy at least one new capability in the new year

53% favoured one unified observability solution, 1.6x increase YoY

52% planned to deploy five or more capabilities in the new year

44% planned to consolidate tools in the next year

28% identified too many monitoring tools as a challenge

Top planned capabilities for the next three years include:

- **55%** AIOps
- **53%** ML model monitoring
- **50%** AI monitoring
- **49%** distributed tracing
- **49%** serverless monitoring

Full-stack observability is key to better outcomes

Full-stack observability =

- Less downtime
- Fewer outages
- Improved service-level metrics

Observability delivers ROI and value

3.9x median annual ROI

64% reported at least US$500K annual ROI
61% reported US$1M or more annual ROI
46% reported at least US$5M annual ROI
45% reported improved operational efficiency
39% reported cost optimization

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