

# PerformanceGuard

## Enterprise edition



For any enterprise who aims at optimizing end-user productivity by using IT services, CapaSystems provides a software solution which reduces IT downtime for the end-users and thus optimizes productivity by pinpointing performance issues on the fly.

PerformanceGuard will help you identify if, where and when an end-user experiences IT problems by monitoring the actual IT service delivery from the end-user perspective in terms of quality and quantity.

Is there a problem?  
Who is affected?  
Where is the problem located?  
When did the problem occur?



How well would your business succeed, if you always had answers to these questions?

### PERFORMANCEGUARD ENABLES YOU TO:

- Determine if, where and when a problem has occurred.
- Monitor real end-user experience.
- Monitor all systems for all users – all the time.
- Focus on business impact via KPI.

**PERFORMANCEGUARD IS USED FOR**

- Service Desk first call resolution
- Root cause analysis
- Trend identification
- Knowledge source for proactive configuration
- Maximizing utilization of Service Desk resources
- Event drill-down to affected end-users
- End-user Key Performance Indicator (KPI) reporting
- Service Level Agreement building and monitoring

**ENTERPRISES THAT USE PERFORMANCEGUARD BENEFIT FROM:**

- Lower operational costs.
- Increased productivity
- Greater end-user satisfaction
- Optimization of IT by aid of multiple out-of-the-box measurements and reports

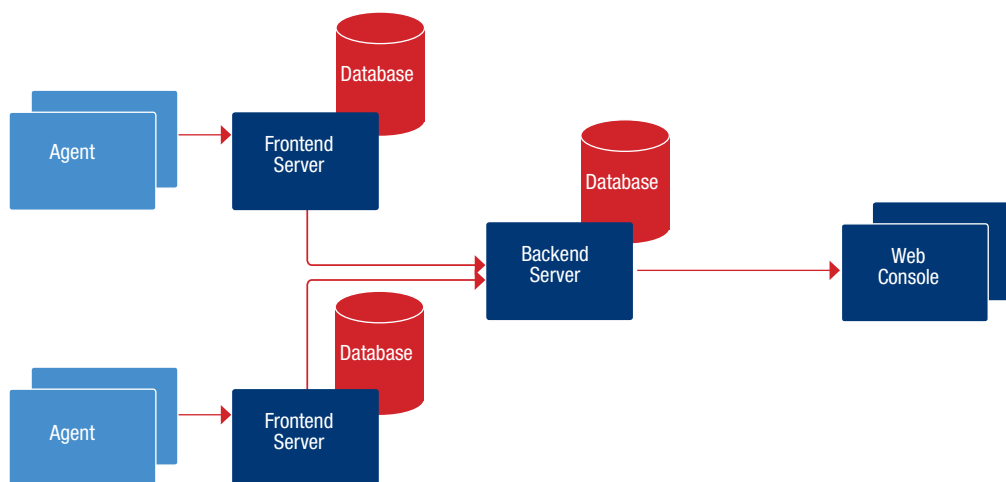
## Real life examples on the use of PerformanceGuard

|                            | A mid-sized company in the utility sector  | An international organization with several overseas subsidiaries   | An international transportation and logistics company  |
|----------------------------|--|--|--|
| Challenge                  | How to document the actual advantages related to higher productivity and better customer service when upgrading the infrastructure capacity and doing it system-wise.  | How to find the root cause for large delays in IT performance and repeatedly unstable business services.   | How to ensure that Business Management can transform the overall availability of every IT systems to KPIs showing business impact, when IT performance changes.  |
| Performance-Guard Solution | PerformanceGuard monitors the performance of the IT services from an end-user perspective before and after the infrastructure upgrade which helps to visualize the improvements.   | PerformanceGuard monitors the end-user's actual behavior and compares the results with similar historic events and thereby visualize the changes in the communication with the possibilities to eliminate non-relevant symptoms.   | PerformanceGuard monitors system performance from the end-user perspective 24/7, on every IT system individually, and thereby makes it possible to document and respond to potential changes.  |
| Customer benefit           | Based on the baseline monitored before the infrastructure upgrade it was documented, that most of the IT-services had improved considerable while some of the customer services had no significant improvements and called for change of system functionality instead. | The investigation revealed that some IT-services under specific conditions would use communication by satellite instead of using line based VPN or going through the Internet Cloud. The result was a more reliable and less costly communication between the individual locations.                      | By using PerformanceGuard to produce data for a weekly report of KPIs, the IT Management was able to follow the business impact of the IT services delivered - prioritized by Business Management. The data was also made part of the monthly business reporting.  |
| Alternatives               | The alternative is to measure performance from a back-end perspective and base the evaluation on change in CPU-load, disk I/O and requests. None of these gives the true end-user experience.  | The alternative would be to set up sniffers and other network diagnostic tools that could help narrow in the causes for the delays and instability. Unfortunately, this kind of problems are almost impossible to reproduce and there is no indication beforehand that it actually is a network problem. | The alternative would be to set up the computer client with simulations of end-user behavior, i.e. synthetic robots. This method only gives information for a limited number of transactions and only for predefined simulations of end-user behavior. It will not be representative for the majority of the end-users and can be optimized at the cost of real end-users. |

## HOW IT WORKS

The PerformanceGuard architecture consists of agents, one on each computer and a number of Frontend Servers receiving data from the agents and acting as data repositories. Data from Front-end Servers are sent to and consolidated on a central PerformanceGuard Backend Server. The view of the end-user experience is provided in real-time.

PerformanceGuard offers quality assurance of scheduled changes by comparing the end-user experience before and after the change. The collected data helps you in assessing the Return of Investment (ROI) in the IT Infrastructure.



## THE PERFORMANCEGUARD AGENT

The PerformanceGuard agent is installed on each computer, where it passively monitors and collects computer performance data from an end-user perspective. Response times and other performance metrics like network traffic are measured to provide data on the entire IT Infrastructure, including end-user computers, servers and routers. Measurements cover both client/server as well as web-based services. PerformanceGuard collects the data locally for a predefined period and at regular intervals transmits data to the PerformanceGuard Server.

## LICENSING MODEL

PerformanceGuard is licensed on the basis of the number of end-users computer and devices being monitored. CapaSystems offer both a perpetual license purchase with a yearly service and support fee and a subscription model including service and support.

**PerformanceGuard**  
■■■■■■■■■**Enterprise edition**

## Contact us for more information

*"In monitoring and troubleshooting performance with PerformanceGuard on each computer and server our IT-maintenance department gets critical information"*

JØRGEN FANGEL,  
IT MANAGER, DONG ENERGY



### About CapaSystems

Software Solutions for Computer & Device Management, Performance Monitoring and end-user satisfaction: At CapaSystems we are dedicated to creating a future where smart technologies will eliminate all manual processes. We do this by providing expertise and smart, proprietary software that

unleashes the full potential of our customers' IT-operation. CapaSystems is a Danish software vendor established in March 1996. Today we have customers worldwide and strong partner channels in Scandinavia, Central Europe and the USA.