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SOFTWARE ROBOTICS

SCALABLE PROCESS AUTOMATION

Dynamic scaling of the bot landscape

Many organizations are still struggling to scale process automation successfully. Isolated standalone projects and a lack of an enterprise-wide process automation strategy make it difficult to scale. According to RPA analyst HFS Research, only 13 percent of companies that have adopted RPA were able to scale it in 2019. Other independent market analysts, such as Gartner and Forrester, also continue to see the scalability of process automation as one of the greatest challenges.

Servicetrace addresses the topic of scaling from two sides at once

1. Our unique, patented scaling technology: Servicetrace has developed a special scaling technology that enables organizations to scale up their automation capacity and resources quickly and dynamically.

2. Simple, intuitive application for a high deployment rate: All Servicetrace Software Robotics Products are simple and intuitive to use. This accelerates onboarding and quickly leads to initial success. This, in turn, increases acceptance among employees. Our approach of quickly empowering as many employees for automation as possible increases company-wide deployment and the level of automation throughout an organization.

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What makes Servicetrace's scaling technology different?

Many automation solutions scale over a higher number of robotic machines (such as a server or a virtual machine). This approach is called "horizontal scaling" and it requires more hardware as additional robot machines are added. Horizontal scaling is therefore costly and time-consuming: you have to purchase, configure, and go live with the additional machines.

Servicetrace's scaling technology takes a completely different approach: vertical scaling. Servicetrace's automation solutions start additional automation sessions on the existing robot machines. This has two main advantages: Firstly, you do not need more hardware, and secondly, the configuration and go-live of these additional automation sessions are fully automated. As a result, Servicetrace's vertical scaling approach is very fast and dynamic, very stable, and cost-effective.

"Only 13% of RPA adopters are currently scaled up and industrialized."

HFS Research, State of Intelligent Automation, 2019

Advantages of the Servicetrace scaling approach

Fast & dynamic
Our vertical scaling approach lets you scale dynamically and quickly.

Stable
With Servicetrace technology, you don't just scale - you scale robustly.

Cost-efficient
Cost-efficient scaling by making optimal use of the hardware.

Secure
Our solutions let you scale very securely, including access and viewing protection.

How does vertical scaling by Servicetrace work?

Horizontal scaling requires additional hardware. This is costly and time-consuming, because the new hardware also has to be set up. At the same time, this approach is not very efficient: If each software robot has a separate machine, this usually only uses a fraction of the available hardware capacity.

The vertical approach of Servicetrace's patented scaling technology eliminates these specific cost factors. Vertical scaling essentially involves parallelization, in which different automation sessions run in parallel on a robot machine. This allows you to make optimal use of existing hardware, lower your hardware requirements, and reduce complexity.

It is not unusual for Servicetrace customers to run five (or more) automation sessions in parallel. This significantly reduces the scaling and operating costs of their automation landscape.

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Extremely cost-efficient scaling with Servicetrace

The specific scaling approach by Servicetrace even reduces overall costs, thanks to parallelization. The following three factors show why Servicetrace lets you scale particularly cost-efficiently:

Fewer resources
The scaling approach of Servicetrace requires less hardware and software.

Better utilization
Servicetrace effectively exploits the existing hardware & optimizes its utilization.

Easier administration
The lower hardware/software requirements also simplify maintenance.

Does scaling affect the stability of automation?

Scaling is only truly successful if it is implemented at a high level of quality. The additional automation capacity should, of course, be implemented with the same quality – and thus stability – as the existing automation.

When configuring process automation, the basic settings of the Windows desktop used on the robot machine are decisive. If the settings of the scaled sessions differ from those of the recording session, automation will not be implemented successfully. As a result, quality and stability will suffer and manual intervention becomes necessary. Therefore, the quality of automation is dependent on the correct configuration of the robot machines.

As such, Servicetrace relies on fully automated configuration of the robot machines for scaling. When distributing the automation, all automation sessions are automatically started with the original settings of the recording session. Manual, time-consuming configuration of specific robot machines is not necessary.

Your benefit: You have optimally configured all robot sessions without requiring any extra effort, which then run smoothly – letting you scale your automation with high quality and stability.

Servicetrace:
Process Automation "made in Germany"

Servicetrace was one of the first companies ever to start developing software robots and process automation solutions back in 2004.

Industry leaders and global players such as Siemens, Deutsche Telekom and Merck trust our experience and our leading automation solutions in the areas of Robotic Process Automation (RPA), Application Performance Monitoring and Test Automation. Market analysts such as Gartner and Forrester consider Servicetrace to be one of the top global vendors for RPA.

Servicetrace aims to empower organizations of all types and sizes for successful enterprise-wide process automation. To do this, the company develops holistically designed and easy-to-use solutions that enable organizations to effectively and efficiently plan, operate and control the complete process automation process. Servicetrace products feature highly sophisticated, intelligent recognition technology for images, patterns, text and characters, and integrated security and scaling technology that is patented multiple times.

The company has locations in Darmstadt (headquarters), Mannheim, Dubai and Singapore. An international partner network provides world-wide access to state-of-the-art automation solutions "made in Germany".

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