Blaise 5

# Unlock the Power of Blaise Cloud

## High Scalability, Availability, and Cost Efficiency

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# Cloud-Based Data Collection With Blaise 5

Does your organisation collect data for official statistics? Are you looking for a modern and efficient way to manage your data collection processes? Do you want to reduce costs, improve performance, and ensure reliability for your surveys?

Then Blaise 5, a software suite for collecting and processing statistical data, is for you. Blaise 5 offers a range of features and functionalities to create, manage, and analyse surveys. But that's not all. Blaise 5 also provides Blaise Cloud, a solution for running Blaise services and questionnaires in a cloud.

## How Blaise Cloud works

Blaise Cloud combines Blaise 5 with cloud computing technologies such as Kubernetes Clusters, groups of virtual servers that work together, to run Blaise services and questionnaires. To use Blaise Cloud, you need a license with your chosen cloud provider, and a Blaise 5 license for web surveys. You also need to have Blaise 5 installed on your machine, which includes the Server Manager, a tool that helps you set up and maintain a Blaise cloud server park.

Setting up a Blaise cloud server park is simple and straightforward. Currently you will need to select which cloud provider you want to use. You can choose between Google Cloud Platform, Microsoft Azure, and Amazon Web Services. Once you have a cloud provider, you enter your credentials in the Server Manager. Then, you can choose the number and type of servers you want to use, and let the Server Manager create and configure them for you using Kubernetes Clusters. You can also adjust the settings and parameters of your servers like the memory, CPU, disk space, and network.

With Blaise Cloud, you always have the option to choose where to store your data:

- **In the cloud,** where cloud providers let you select your preferred region, e.g., Europe
- **Locally,** on your own machine where you run the Server Manager

This way, you can enjoy the scalability of web servers without compromising the security of your data. We understand that national statistical institutes (NSIs) have concerns about storing sensitive data in the cloud, therefore we left it up to you to store your data wherever you feel comfortable and confident.

Once your Blaise Cloud server park is ready, you can deploy Blaise questionnaires and services to the cloud servers. You can also monitor and manage your data collection processes from the Server Manager. The Server Manager provides a dashboard with various metrics to track and analyse the performance of your surveys and the cloud server park. You can easily see key indicators such as the number of respondents, the response time, the server load, the server status, and the server costs.

# The Advantages & Benefits of Blaise Cloud

Blaise Cloud can help you improve your data collection processes in many ways:

- **Dynamic Scaling:** Blaise Cloud can automatically adjust its server capacity based on the number of respondents and the workload. This means that as the number of respondents increases concurrent load, the cloud servers can dynamically scale up to handle the increased load. Conversely, during low-demand periods, the cloud servers can scale down, reducing costs and optimising resource usage.

- **Cost Reduction:** Using Blaise Cloud can lead to cost savings for organisations. Cloud services eliminate the need for maintaining and managing on-premise server parks, which can be costly in terms of hardware, infrastructure, and maintenance. With Blaise Cloud, organisations can pay for the computing resources they actually use, making it more cost-effective.

- **Flexible Customisation:** Blaise Cloud caters to different types of users. Organisations that require virtual servers due to limited capacity can benefit from the scalable and adaptable nature of cloud services. Additionally, users who need dedicated machines tailored for specific tasks can achieve this customisation within the cloud environment. Users can also combine cloud servers with on-premise servers to suit their needs.

- **High Availability:** Blaise Cloud enables high availability, ensuring minimal downtime. If a server fails, the questionnaires and services can automatically switch to other functioning servers, maintaining seamless data collection without interruptions.

- **Data Protection:** You have the option to store your data either in the cloud or locally. You can also scale your web servers without risking data security.

- **Performance Optimisation:** Blaise Cloud can dynamically allocate additional server resources to handle the increased load during peak times when many respondents are taking part in a questionnaire. This ensures optimal performance and response times for respondents.

- **Performance Monitoring:** Blaise Cloud offers a dashboard with metrics to monitor and analyse the performance of your surveys and cloud server park. Users can easily track and analyse key performance indicators like respondent numbers, response times, the server loads, the server status, and server costs.

Blaise Cloud is an agile and scalable solution. Achieve your data collection goals with ease and efficiency.

## Blaise Cloud in a Nutshell

Blaise Cloud is a data collection solution from Blaise 5.9 onwards that lets you run Blaise services and questionnaires in the cloud environment.

By using Blaise Cloud, you can:

- **Scale** your server capacity according to demand
- **Choose** to store data in the cloud or on your local servers
- **Ensure** high availability and reliability for your surveys
- **Save** costs by eliminating on-premise server parks
- **Customise** your servers for specific tasks
- **Optimise** your survey performance and monitor your server park

Blaise Cloud helps you efficiently manage your data collection processes through scalability, high availability, cost reduction, flexibility, customisation, performance optimisation, and monitoring. With the use of cloud computing technologies like Kubernetes Clusters, Blaise Cloud enables you to effortlessly run Blaise questionnaires and services. Blaise Cloud is invaluable if you are seeking an agile and scalable solution for your statistical data collection.

If you are interested in learning more about Blaise Cloud, please contact us today.

Thank you for reading this brochure. If you have questions or feedback, please feel free to contact us. We look forward to hearing from you soon.

# Blaise®: More than software

Blaise 5 is a software suite that handles any data collection challenge and adapts to any user preference. Designed for national statistical institutes (NSIs), Blaise 5 is at the core of CBS's (Statistics Netherlands) data collection. As a software suite, Blaise 5 offers user-centred tools that adapt to locations, languages, policies, and data programmes. It also integrates seamlessly with other systems for reliable data collection. Blaise 5 is developed with input from the BCLUB (Blaise Cooperative Licence Users Board), a group of NSIs that collaborate on the development and improvement of Blaise.

But Blaise 5 is more than software—it's a platform that fosters the exchange of knowledge and best practises among experts. By using Blaise 5, you join a community of NSIs that share a common vision and passion for data. If you want to learn more about Blaise 5 or join the Blaise community, please contact us.

If you would like more information, please contact Team Blaise and check www.blaise.com for updates.


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**Improving** data collection processes