SureTrend Cloud
Ensures Data Security

Introduction to Cloud-Based Data

Due to the wide range of institutions and operations that rely heavily on large amounts of data, cloud-based data management has rapidly evolved into a safe, efficient and reliable means for handling data. Today, more than 83% of healthcare facilities use cloud-based software to manage their data, including sensitive patient information. Food safety professionals such as farmers, food processors and supply chain companies have turned to the cloud to manage complex supply chains. Government organizations such as NASA and consumer focused companies such as Netflix trust and rely on cloud-based data management to handle sensitive information because it provides significant accessibility and security advantages over on-premise servers and local hard drive storage.

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SureTrend Cloud

SureTrend Cloud is an easy-to-use data analysis software that comes free with every EnSURE™ Touch. SureTrend Cloud enables users to monitor, track, and trend test results across multiple facilities, making risk management easier than ever. When choosing our cloud services provider, Hygiena considered many options, ultimately selecting Microsoft Azure. Over 95% of Fortune 500 companies used Azure and rely on its 30+ years of experience serving enterprise customers and comprehensive set of compliance offerings. With this new data management solution, data stored in the cloud is protected by Microsoft's advanced security protocols and 24/7 support team, which are not available to a computer hard drive or an on-premise server.

Chief advantages of cloud-based software are flexibility and maintenance. Data can be securely accessed by authorized users from any computer, providing immediate access to test results supporting robust environmental risk management systems.
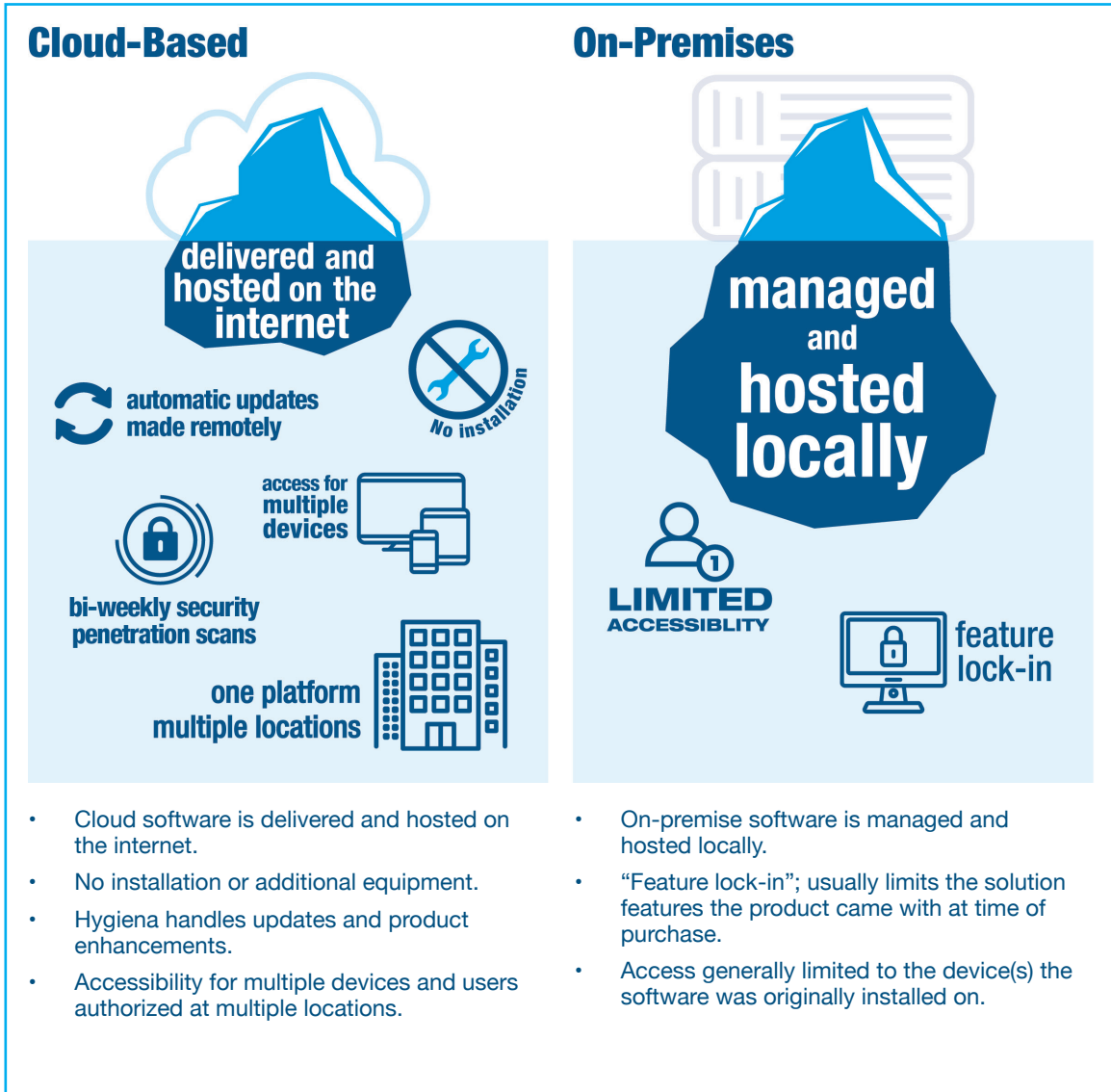
Data Security

In designing SureTrend Cloud, one of Hygiena's top priorities was ensuring data security. Hygiena prevents unauthorized access to data through data encryption and secure passwords. Every field and piece of data is encrypted, from the moment it enters the system, during transit to the "cloud" data center, and during storage. Data in the cloud is protected by transparent data encryption (TDE). The results stored in SureTrend Cloud are always safe and anonymous. Data can only be copied or exported to comma-delimited formats and Excel by authorized users. All communication is secured via SSL encryption (TLS 1.2 128-byte).

Security advantages of cloud-based data management:

- Always encrypted automatically, in storage and in transit
- All events, including access attempts, can be audited
- Secure backups automatically run every few minutes
- Automatic application updates (including security updates)
- Active customer support

For on-premise data storage and management, none of these features are automatically available. Some features, such as data encryption, two-factor authentication, application updates and certifications are limited in applicability.

The chart below shows the advantages of cloud-based data management over local servers.

Cloud-Based

delivered and hosted on the internet

automatic updates made remotely

No installation

access for multiple devices

bi-weekly security penetration scans

one platform multiple locations

On-Premises

managed and hosted locally

1 LIMITED ACCESSIBLITY

feature lock-in

- Cloud software is delivered and hosted on the internet.
- No installation or additional equipment.
- Hygiena handles updates and product enhancements.
- Accessibility for multiple devices and users authorized at multiple locations.

- On-premise software is managed and hosted locally.
- "Feature lock-in"; usually limits the solution features the product came with at time of purchase.
- Access generally limited to the device(s) the software was originally installed on.

Data Management and Ownership

SureTrend Cloud users own their data and can remove it at any time. Security is further enhanced with the ability to control access with account roles. The account Owner has access to all data for all of the account's facilities and can set up other users as Administrators or SureTrend Cloud Users depending on the level of access they need.

Software Updates

Software updates to SureTrend Cloud are automatic. Every time users log in to SureTrend Cloud, they are using the latest version. On EnSURE Touch, users connect to Wi-Fi before initiating an update. Performing software updates and syncing with SureTrend Cloud ensures data is safely backed up to the cloud and that the most recent software updates are applied to EnSURE Touch.

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