# Suprema Webinar

## BioStar 2 v2.8.0 and Cybersecurity

**Speaker**
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BioStar 2 Product Manager | Suprema

Date: Tuesday, May 12, 2020
Time: 08:00 AM (GMT+9), Seoul

# Contents

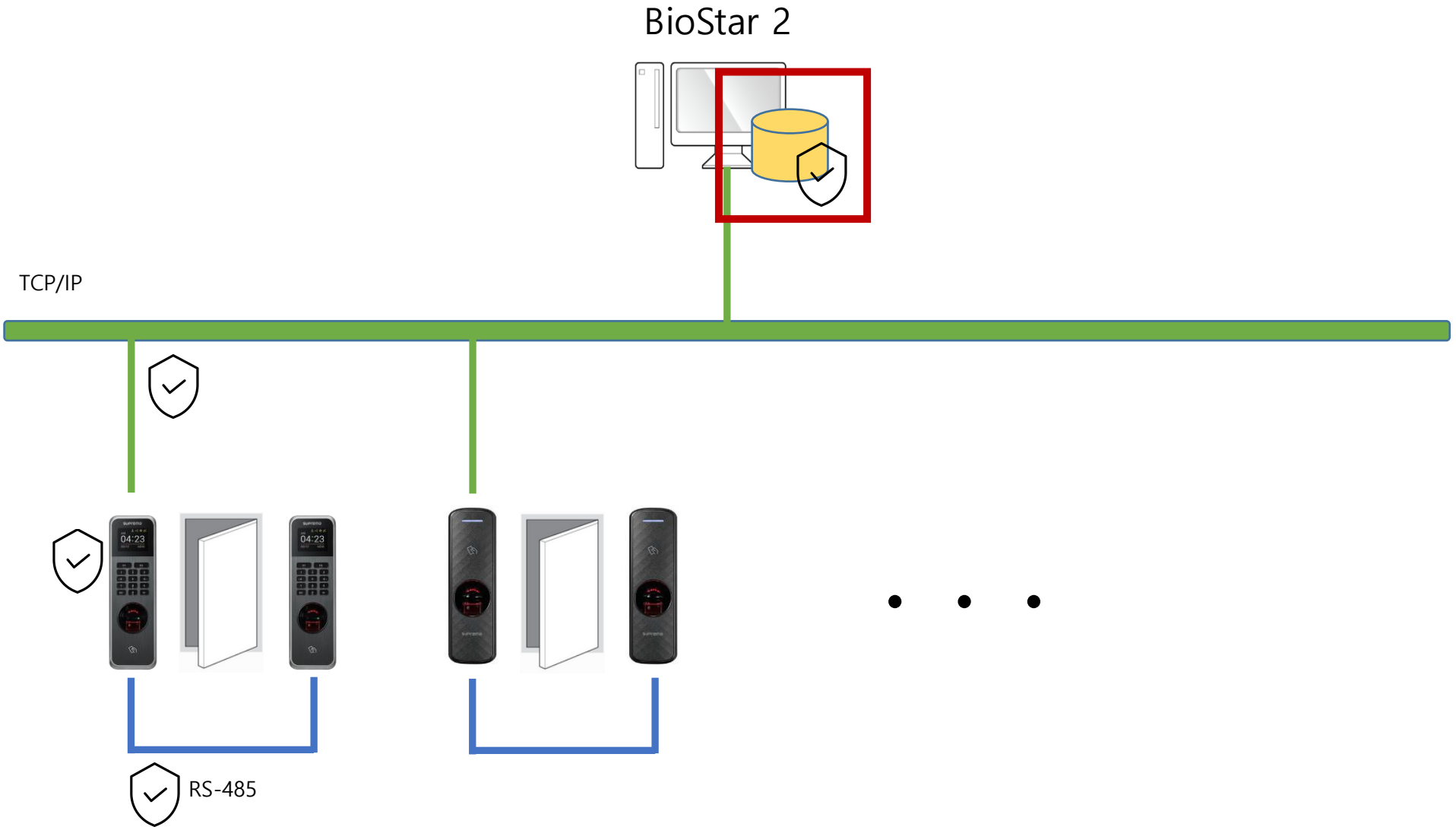
# Cybersecurity

**Access (Theft)**

**Modify**

**Destroy**

# BioStar 2 System



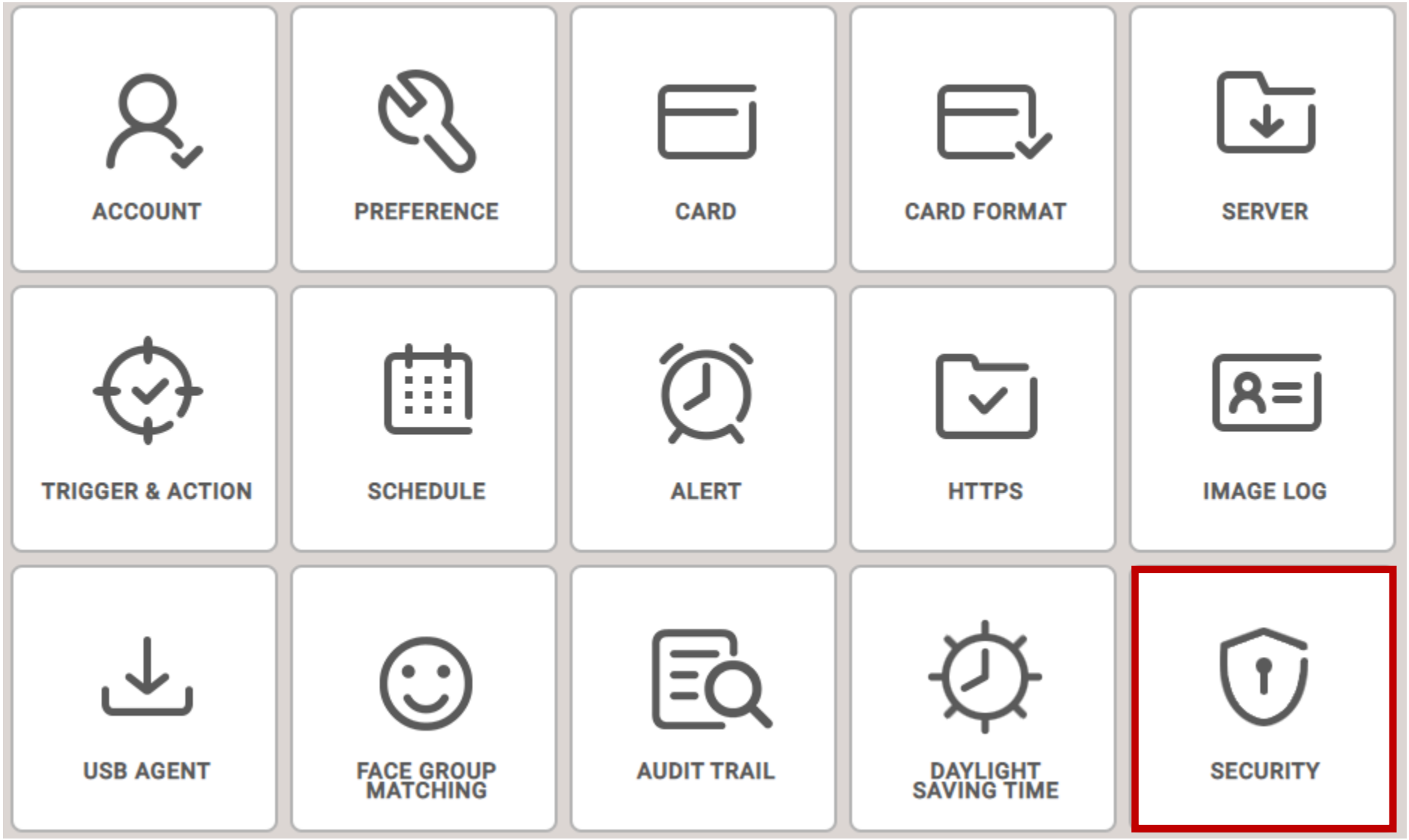
# Security Features on BioStar 2 v2.8.0

✓ Where did this start?

- BioStar 2 security was focused on the fact that biometric templates cannot be reversed to real images

- Data protection of BioStar 2 was leaning on the fact most sites are on-premise

# BioStar 2 v2.8.0 Security Features



# BioStar 2 v2.8.0 Security Features

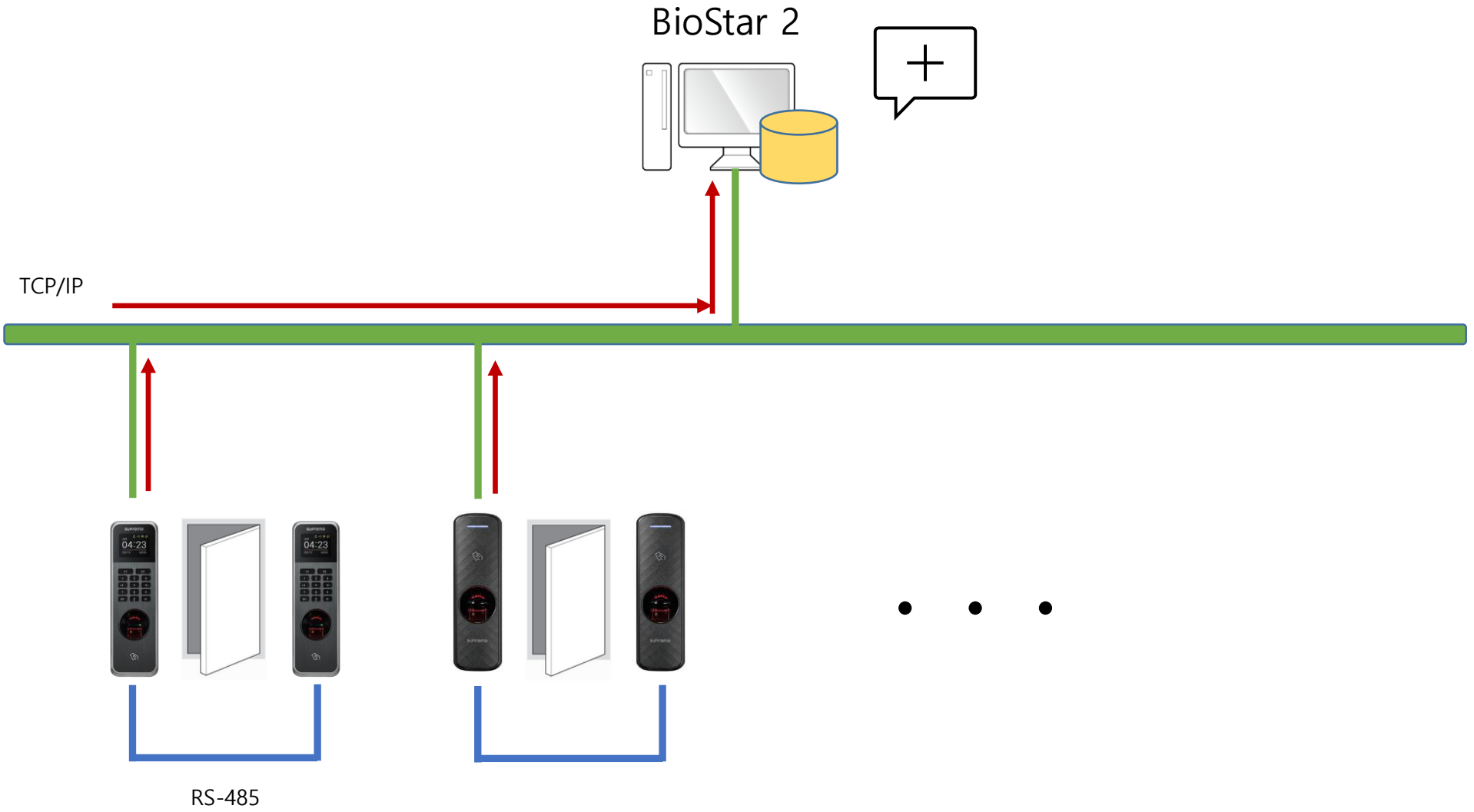
- ✓Encrypt Sensitive Data on Database
- ✓Secure Communication with Device
- ✓Hash Key Management

- ✓ Sensitive Data?
  - A data or combination of data considered as personal information and information that can be a security threat when leaked

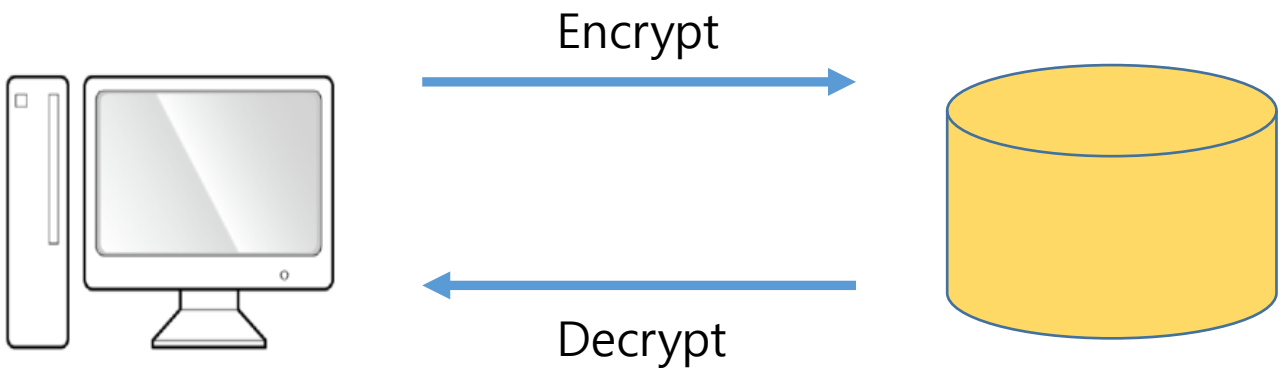
  - User ID, Name, Mobile, E-mail, PIN, Login Account, Password, Profile Image and more.
  - Card configuration such as key for data access

- ✓Encrypt Sensitive Data on Database
- ✓Secure Communication with Device
- ✓Hash Key Management

# Encrypt Sensitive Data on Database

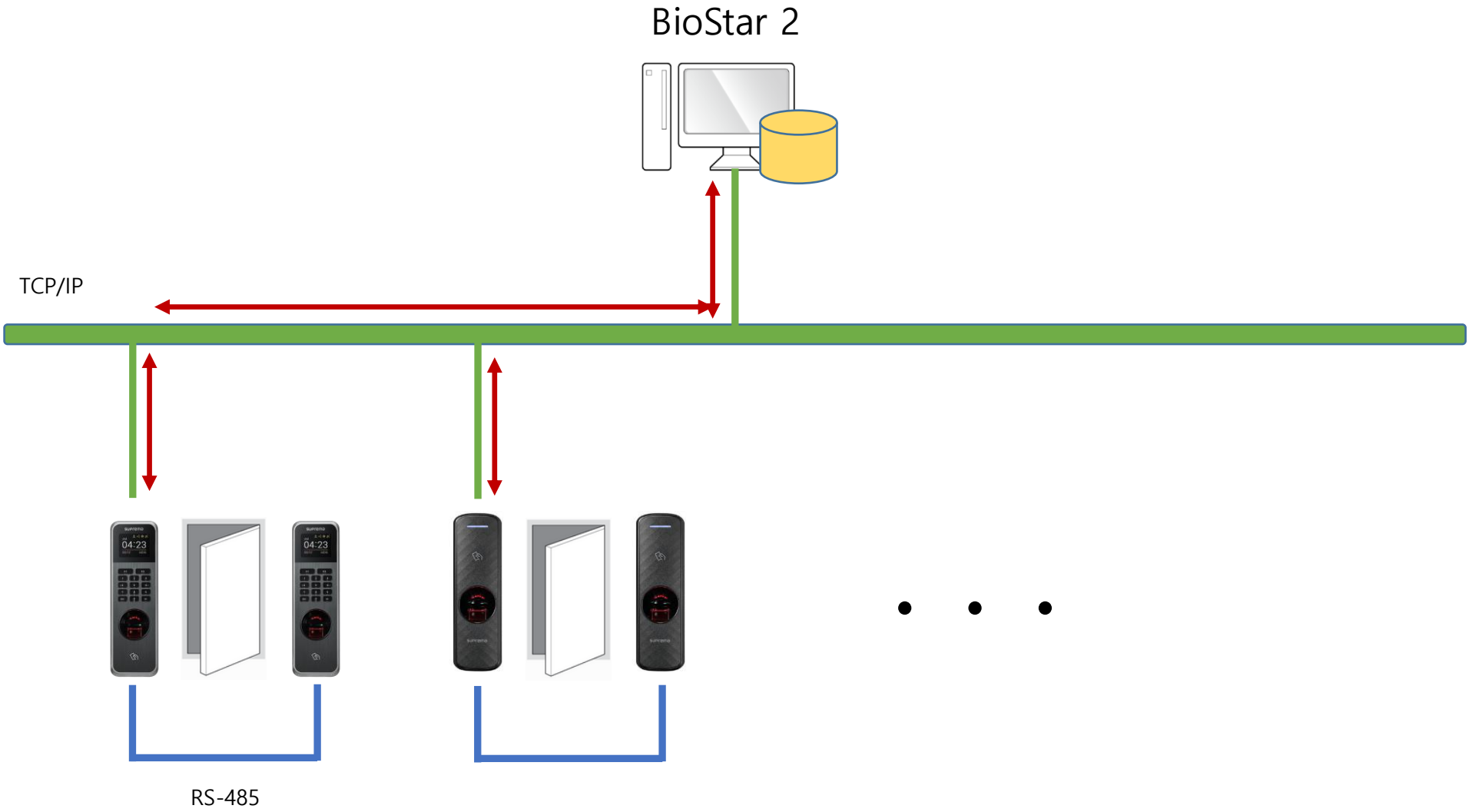


# Encrypt Sensitive Data on Database



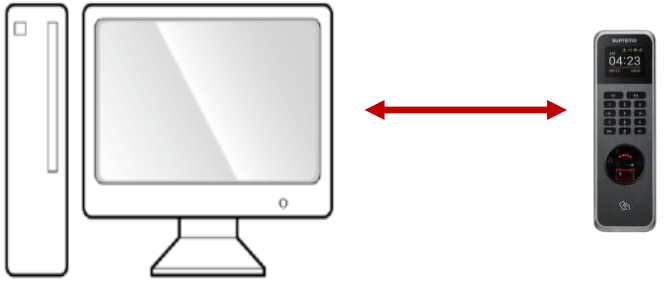
- ✓Encrypt Sensitive Data on Database
- ✓Secure Communication with Device
- ✓Hash Key Management

# Secure Communication with Device

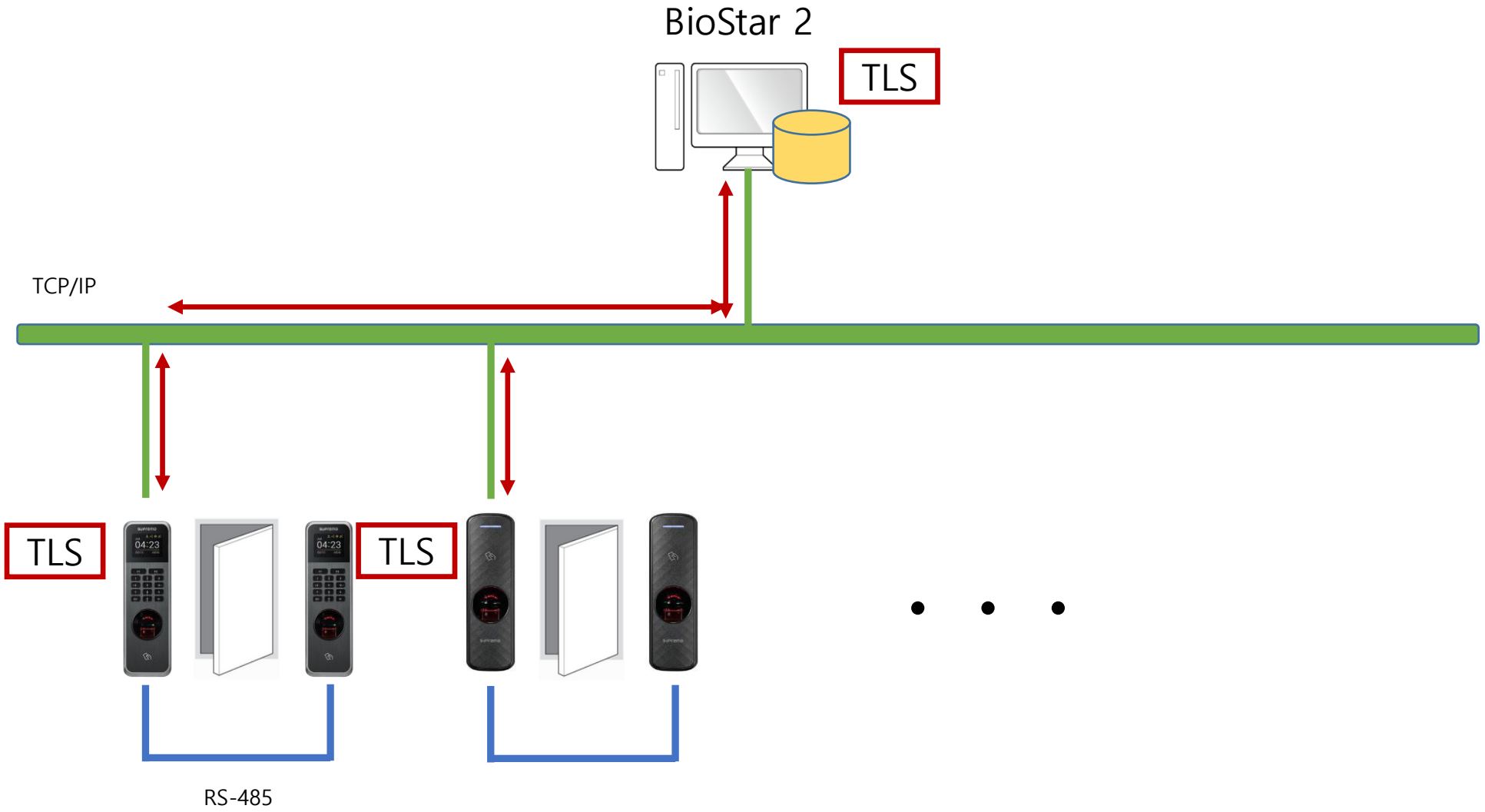


# Secure Communication with Device

Attacker's BioStar 2

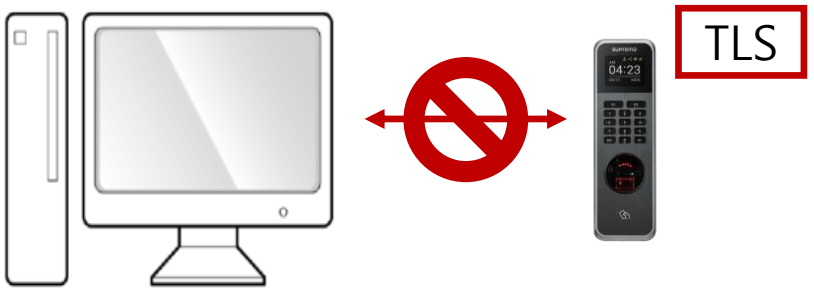


# Secure Communication with Device



# Secure Communication with Device

Attacker's BioStar 2



# Hash Key Management

- ✓Encrypt Sensitive Data on Database
- ✓Secure Communication with Device
- ✓Hash Key Management

# Hash Key Management

- ✓ When does the hash key get used?
  - Hash key is used to encrypt PIN and PW
  - Has key needs to be shared to support users created from devices and other servers

- ✓ What is hash key management?
  - An option to be able to set a unique hash key for a specific site

# Upcoming Features

# BioStar 2 v2.8.0 Security Features

- ✓Enhanced Data Storage on Device
- ✓BioStar 2 Key Management
- ✓Replace Oracle Java to Open JDK Environment

# Q&A

# Thank you!

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