

Suprema Webinar BioStar 2 v2.8.0 and Cybersecurity

Speaker

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Contents

- 1. Cybersecurity
- 2. Security Features on BioStar 2 v2.8.0
- 3. Upcoming Features
- 4. Q&A

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Cybersecurity

Access (Theft)

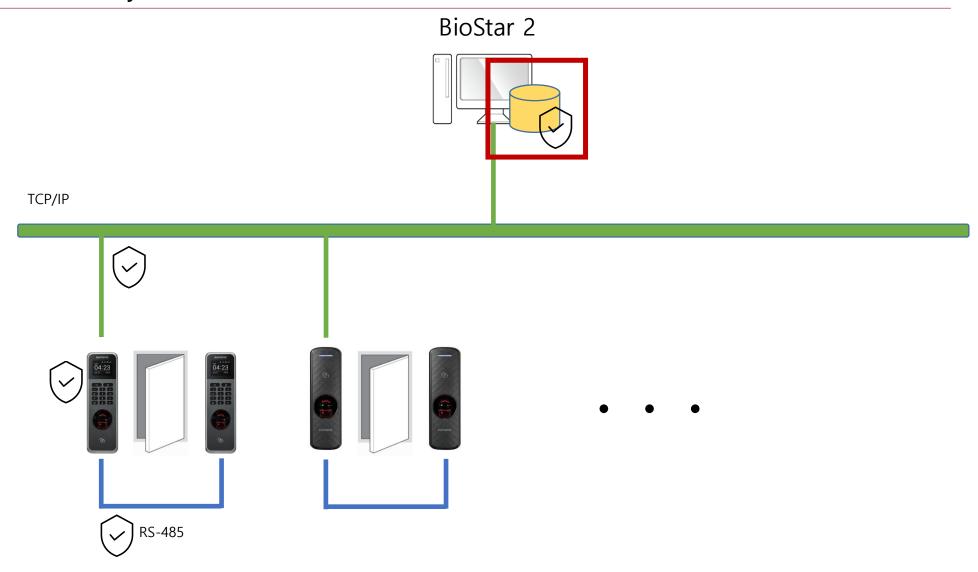


Modify

Destroy



BioStar 2 System





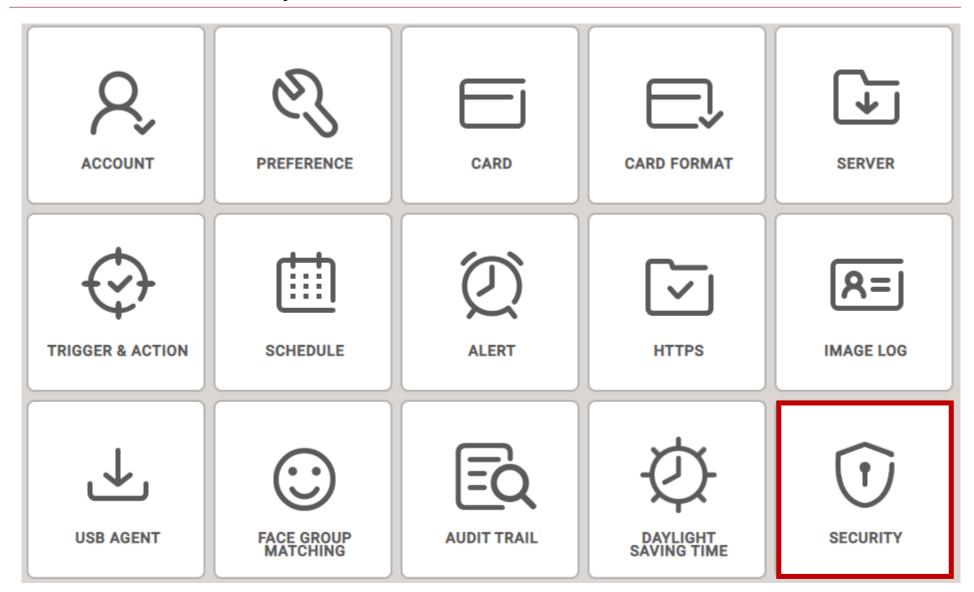
Security Features on BioStar 2 v2.8.0



BioStar 2 v2.8.0 Security Features

- ✓ 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







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

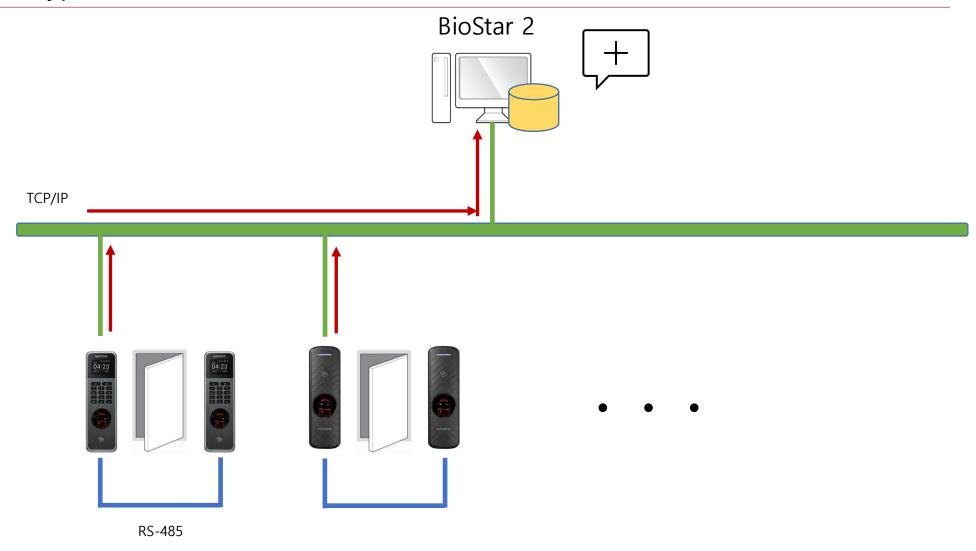
BioStar 2 v2.8.0 Security Features

✓ 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

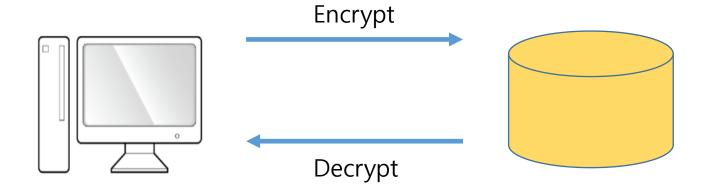
- ✓ Encrypt Sensitive Data on Database
- ✓ Secure Communication with Device
- √ Hash Key Management

Encrypt Sensitive Data on Database



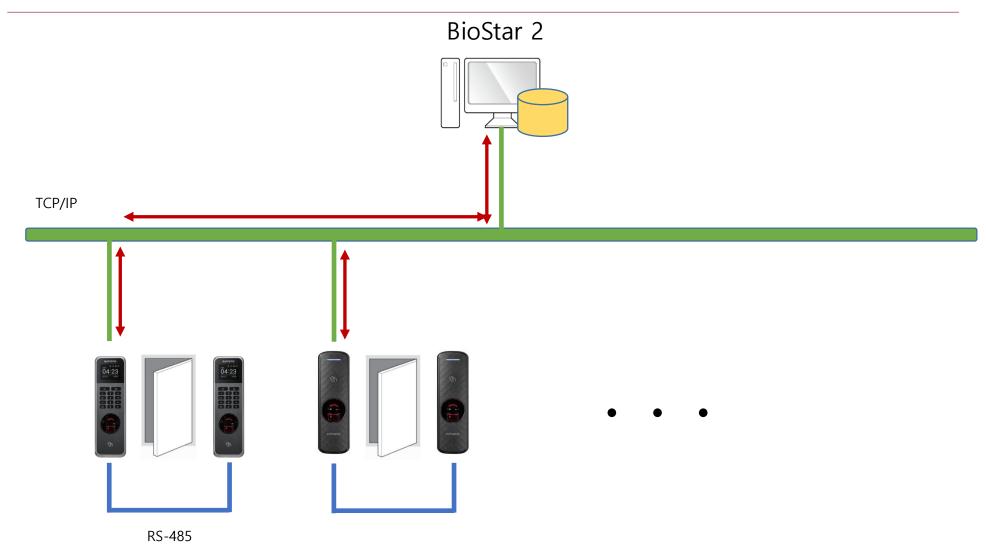


Encrypt Sensitive Data on Database

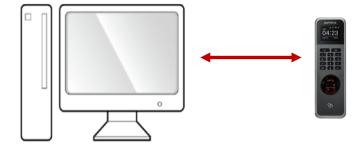


- ✓ Encrypt Sensitive Data on Database
- ✓ Secure Communication with Device
- √ Hash Key Management

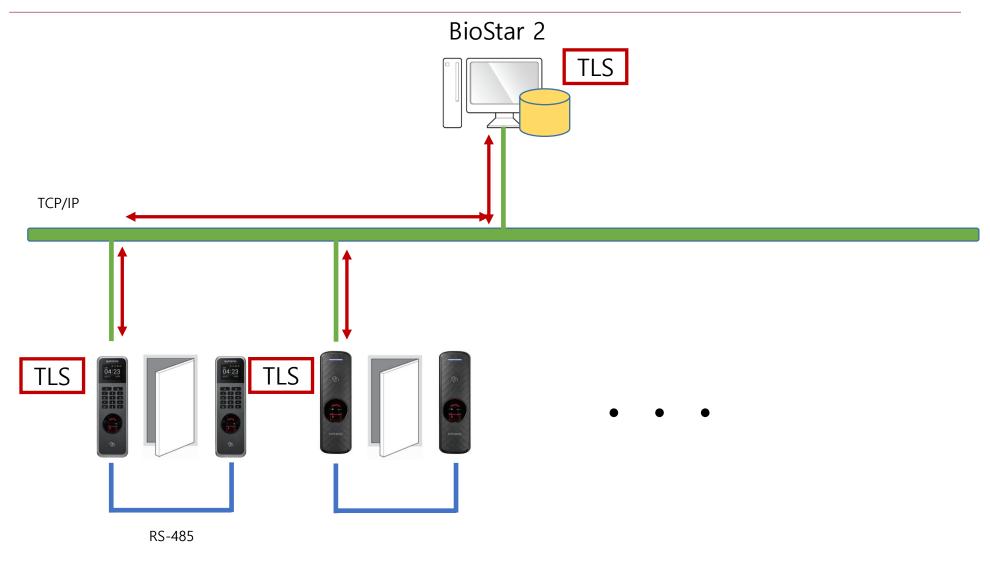
Secure Communication with Device



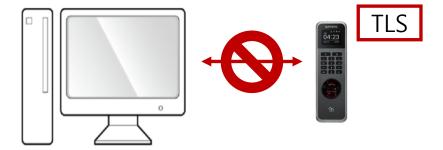
Attacker's BioStar 2



Secure Communication with Device



Attacker's BioStar 2



- ✓ 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



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



Thank you!

