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Version 2.9.1 (V2.9.1.0)

Date

2023-02-23

New Features

- Supports activating licenses for use of specific features on devices.
- QR code recognition and authentication support using the camera.
- Support setting the number of retries in case of socket read/write failure.
- Supports 3rd party OSDP reader connection.

1. Added device license activation feature.

- Add structure [BS2License](#)
- Add structure [BS2LicenseConfig](#)
- Add structure [BS2LicenseBlob](#)
- Add structure [BS2LicenseResult](#)
- Add API [BS2_GetLicenseConfig](#)
- Add API [BS2_EnableDeviceLicense](#)
- Add API [BS2_DisableDeviceLicense](#)
- Add API [BS2_QueryDeviceLicense](#)

2. Added features for QR code authentication by using the camera.

- Refer to structure [BS2BarcodeConfig](#)

3. Added retry count for communication used when an error occurs while reading or writing packets from the socket during communication.

CAUTION

Increasing the number of retries is a way to resolve temporary errors, but care must be taken as direct causes such as network disconnection occurs, can lead to wasted resources by meaningless read/write retries when reconnection is required.

- Add API [BS2_GetSocketRetryCount](#)
- Add API [BS2_SetSocketRetryCount](#)
- Add API [BS2_GetSocketSSLRetryCount](#)
- Add API [BS2_SetSocketSSLRetryCount](#)

4. Added feature to connect and manage 3rd party OSDP.

- Add structure [BS2OsdpStandardDevice](#)
- Add structure [BS2OsdpStandardDeviceAvailable](#)

- Add structure [BS2OsdpStandardNotify](#)
- Add structure [BS2OsdpStandardConfig](#)
- Add structure [BS2OsdpStandardActionConfig](#)
- Add structure [BS2OsdpStandardDeviceAdd](#)
- Add structure [BS2OsdpStandardDeviceUpdate](#)
- Add structure [BS2OsdpStandardDeviceCapability](#)
- Add structure [BS2OsdpStandardDeviceResult](#)
- Add structure [BS2OsdpStandardDeviceSecurityKey](#)
- Add API [BS2_GetOsdpStandardConfig](#)
- Add API [BS2_GetOsdpStandardActionConfig](#)
- Add API [BS2_SetOsdpStandardActionConfig](#)
- Add API [BS2_AddOsdpStandardDevice](#)
- Add API [BS2_GetOsdpStandardDevice](#)
- Add API [BS2_GetAvailableOsdpStandardDevice](#)
- Add API [BS2_UpdateOsdpStandardDevice](#)
- Add API [BS2_RemoveOsdpStandardDevice](#)
- Add API [BS2_GetOsdpStandardDeviceCapability](#)
- Add API [BS2_SetOsdpStandardDeviceSecurityKey](#)
- Add API [BS2_SetOsdpStandardDeviceStatusListener](#)
- Add callback function [OnOsdpStandardDeviceStatusChanged](#)

Modification function

1. Fixed memory leak caused by network switches keepalive check being misunderstood by the SDK.
2. This is a problem that occurs only in version 2.8.3.2, and a problem that can lead to abnormal termination during user registration while taking a log dump inside the SDK has been fixed.
3. Fixes were made to stabilize the code internally in the SDK.

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<http://kb.supremainc.com/bs2sdk/> - **BioStar Device SDK**

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