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## System Configuration

# System Configuration



This course is to check and learn each configuration steps to use BioStar 2 system proficiently.

## Objectives

After completing this course, trainees should be able to:

- Know the proper way to configure the system
- Know the feature specification and their coverage
- Deploy the system and avoid configuration mistakes and errors

## Target Audience

First time BioStar 2 users and installers

## Topics

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- [User](#)
- [Device](#)
- [Door](#)
- [AC](#)
- [Zone](#)
- [Report](#)
- [TA](#)
- [Monitoring](#)
- [Video](#)
- [Mobile App](#)
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## General

- [BioStar 2 Installation](#)
- [How to Install BioStar 2 with Maria DB](#)

- [How to Install BioStar 2 with MSSQL](#)
- [How to Connect to the Web Client](#)
- [How to configure HTTP or HTTPS protocol](#)
- [How to Activate Biostar 2 License](#)
- [How to Configure Hexadecimal Card Key](#)
- [How to Manually Manage Server & Device HashKey](#)
- [How to Configure BioStar 2 Server Ports](#)
- [How to configure Daylight Saving Time](#)
- [Available to login with ID, Login ID or Email](#)
- [How to import & export User & Log between BioStar 2 and Suprema reader using USB memory](#)
- [BioStar 1.x to BioStar 2.x Migration Tool](#)
- [Can't Keep the Custom Language Resource File of BioStar 2 Upgrade Progress](#)
- [Supporting Automatic backup function for 'setting.conf' file](#)
- [Supports Windows Authentication for MS SQL Database Server Connections](#)

## User

- [How to enroll users](#)
- [How to Enroll the CSN and Wiegand cards](#)
- [How to issue smart cards](#)
- [How to Configure a Custom Level](#)
- [How to Configure a Custom Level\(Example for 2.6.3\)](#)
- [Understanding Wiegand output per authentication mode](#)
- [How to configure a private authentication mode](#)
- [Fingerprint Enrollment on the Slave device](#)
- [How to use Alphanumeric IDs](#)
- [How to export and import users](#)
- [How to Create Custom User Fields](#)
- [How to delete users in device through BioStar 2](#)
- [Allowed Additional Symbols \(-, \\_\) in the User's Email Account Field](#)
- [Issuing Suprema Mobile Access Cards via BioStar 2 User CSV Import](#)
- [How to Enroll Visual Face Credential](#)
- [Supports Batch Registration of Visual Face Using CSV Import](#)
- [Support New Export/Import User Information](#)
- [How To Issue BioStar 2 QR](#)
- [How To Use Third party QR](#)
- [Enter and Modify PIN When Using User CSV Import](#)
- [Fixed Constraint That Wiegand Card ID Cannot Start with 0](#)
- [Added Error\\_Description Column to User List File \(User\\_Import\\_Error\) That Failed CSV Import](#)
- [Added Hide Face Credential Preview Image Option](#)
- [Improved Image Extraction for Visual Face Credentials](#)
- [Supports Visual Face Migration](#)
- [Supports user information partial update: BioStation 3 v1.0.0](#)
- [Simplified visual mobile face enrollment process](#)
- [Supports visual face import : Enroll Visual face when the file name of the image matches the user ID](#)

## Device

- [How to add devices](#)
- [How to configure CoreStation](#)

- [How to configure CoreStation with an external wiegand device](#)
- [How to synchronize devices with the server](#)
- [How to sync user data enrolled/edited from the device](#)
- [How to Configure DM-20](#)
- [How to control authentication result with a third party controller](#)
- [How to Configure Group Matching](#)
- [How to configure Wiegand Output](#)
- [How to Configure a Device Administrator](#)
- [How to batch upgrade devices](#)
- [How to batch edit devices](#)
- [How to configure Secure Communication between Device and Server \(TLS/SSL\)](#)
- [How to register an enrollment device](#)
- [How to Configure SIP Authentication ID](#)
- [How to Configure XPass D2](#)
- [How to configure an action for duress authentication event](#)
- [How to configure One Device\(Legacy\) Mode](#)
- [How to configure Secure Tamper](#)
- [Simultaneous use of Wiegand In & Out](#)
- [How to keep network settings during factory default](#)
- [How to Configure D2 Keypad](#)
- [Manage users in Device Overview](#)
- [How to use custom input event name](#)
- [How to configure Wiegand authentication result as User ID](#)
- [Input\(Event Name Change\) triggers Alert Sound action](#)
- [Duplication Check of Fingerprint / Face for User Registration Process](#)
- [Supports options for selection by card type](#)
- [Anti-Tailgating At Doors With Input Signals](#)
- [Adding Administrators Using Batch Edit of Devices](#)
- [Increase the Number of Administrators That Can Be Added per Devices](#)
- [14 Subjects of CoreStation FAQ](#)
- [Improved Trigger & Actions to Be Able to Use the Output Port of the BioStation 2](#)
- [How to Use Thermal Function with FaceStation F2](#)
- [Intelligent Slave Support](#)
- [Supports Setting the Byte Order for Smart Cards](#)
- [Allows Connecting X-Station 2 as a Slave Device of CoreStation](#)
- [Added the Use QR as Card Option](#)
- [Changing the Device Text Message \(English\)](#)
- [Changing the Device Language \(Custom\)](#)

## Door

- [How to add and configure doors](#)
- [Improvements upon Event Logs Regarding Door Open](#)

## Access Control

- [How to make access groups](#)
- [The number of access group and access level](#)
- [Unlimited Access Level and Access Group Supported](#)
- [Unlimited Floor Level Supported](#)

## Zone

- [How to configure an Anti-Passback \(APB\) Zone?](#)
- [How to configure Fire Alarm Zone?](#)
- [How to configure a Scheduled Lock/Unlock Zone](#)
- [How to Configure an Alarm Zone](#)
- [How to Configure an Interlock Zone](#)
- [How to Configure a Muster Zone](#)
- [How to reset APB by user](#)
- [Improved the Scheduled Unlock Zone Function to Support Elevator](#)
- [APB zone based on the door status\(Door sensor\)](#)
- [How To Configure an Occupancy Limit Zone](#)

## Report

- [How to configure](#)
- [How to configure](#)
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## Time Attendance

- [How BioStar 2 T&A works](#)
- [How to Configure a T&A Device](#)
- [How to create T&A settings for organizations with fixed shift](#)
- [How to create T&A settings for organizations with flexible shift](#)
- [How to create T&A settings for organizations with floating shift](#)
- [How to Configure a T&A Schedule to Calculate or Ignore Break Time](#)
- [How to edit the report](#)
- [How to assign temporary schedule to an employee](#)
- [What is \[Day Start Time\] and how does it work?](#)
- [How to calculate exact worktime/breaktime for devices without T&A key?](#)
- [BioStar 2 T&A Case Study](#)
- [How to select weekend days](#)
- [How to configure meal deduction option](#)
- [Sample T&A shift setting for working more than 24 hours](#)
- ['First in & Last out' or 'All In/Out Punches' Options in the Individual Report](#)
- [Supports the Sorting for Entire Data in the T&A Report](#)
- [Support the Custom User Field in the T&A Report](#)
- [Improved the Custom Level for T&A Management](#)
- [Improvement to Allow Users With General User Permissions to Update Own TA Reports](#)
- [Supports Wiegand Devices as a TA management Device](#)
- [Supports Deleting Time & Attendance Punch Logs after a Certain Period](#)

## Monitoring

- [How to use monitoring](#)
- [How to add a TNA key field in the event log of Monitoring](#)
- [Page navigation and search condition](#)
- [Door field displayed in the Event Log](#)
- [How to activate Graphic map and how to configure it](#)

- How to distinguish whether the user is enrolled from device or server
- User group sorting and user ID sorting are available in <Muster Status>
- Stabilization of the Thermal Camera Function and Changed Temperature Column for Event Logs and Real-Time Logs
- Improved door open logs

## Video

- How to use video
- How to configure live video view

## Mobile App

- How to configure Cloud and Mobile App
- How to enroll a new user via Mobile App
- How to enroll fingerprints through BioMini via Mobile app
- How to receive a push alarm from mobile app
- How to control a door and use monitoring on mobile App
- How to use Suprema Device Manager App
- How to Use Custom Smart Card Layout on Suprema Device Manager App

## Setting

- How to Configure Alerts
- How to use Audit Trail
- How to configure Trigger and Action on Setting
- How to send Email when a device is disconnected
- How to configure an alert pop-up message when a device is disconnected
- How to use server matching
- How to configure Custom Admin about Monitoring section
- How to delete personal information when issuing Access on card
- How to delete logs periodically (System Log Level configuration)
- How to enable DESFire EV1 Advanced Option
- How to enable user group synchronization in Active Directory
- BioStar 2 user ID can be mapped to several different fields in Active Directory
- User ID sorting depending on the user ID type setting in the server
- Enhanced Security Settings
- 'Specific Devices (Only Devices Belonging to the Access Group)' Option
- Improved 'Alert List' and 'Alarm Monitor' features
- Image Log Storage Path and Auto Saving
- Enhancement in Suprema Mobile Access Usage in 2.7.14
- How to Use Suprema Mobile Access
- Zone in the Admin Item Settings of the custom level
- Supports Dynamic Site Configuration
- Support to Log in to Biostar 2 with Active Directory Account
- How to Configure SMTP and Test the Recipient Address
- How to Use the 'Backup & Restore' Feature with BioStar 2

## Integration Solution

- [How to utilize BioStar 2 integrating with Milestone](#)

## Visitor

- [How To Set Up Self-Registration Page](#)
- [How To Search Registered Visitor Fingerprint](#)

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