

# How to setup "Sync server" and "Client station" configuration

Created date	Updated date	Affects version	Fix version
04 Oct 2023	04 Oct 2023	Mobile Diagnostics and Erasure	N/A

## Description

Setting up Sync Server and Client synchronization enables user to control production BMDE machine (client) through Synchronization Server (another BMDE installation acting as the server).

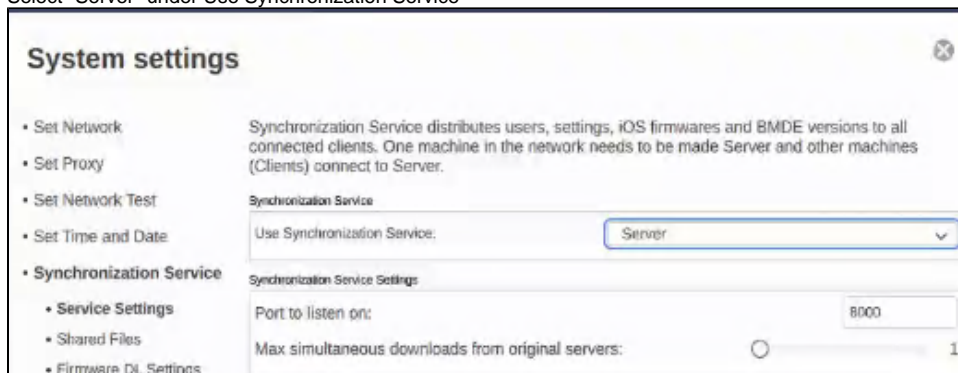
This will let admin to control Settings, deploy and manage BMDE version, manage workflows and user(s), distribute iOS firmware, printer setup and other configurations. This way admin or supervisors can manage and maintain all of the BMDE stations (client machines) located in the facility from one centralized station (sync server).

## Step by step instructions

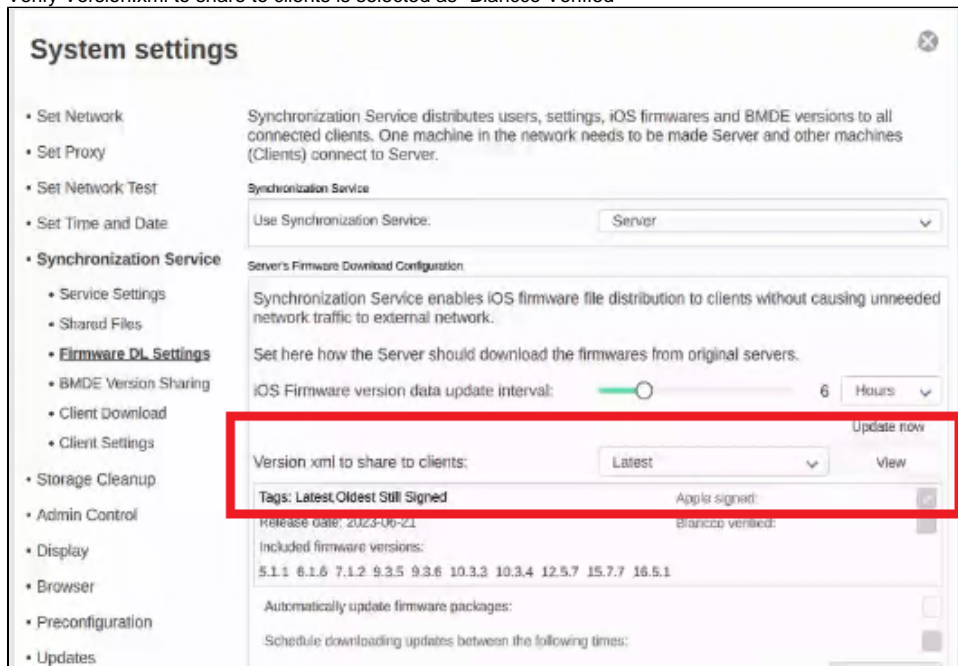
Synchronization Server IP should be to be a Static IP for non-interrupted connection

### Sync Server Setup

1. Open System Settings in the BMDE login screen
2. Click on Synchronization Service
  - a. Select "Server" under Use Synchronization Service



3. Select Firmware DL Settings
  - a. Verify Version.xml to share to clients is selected as "Blancco Verified"



4. Select Version Sharing

a. BMDE Version to share "Latest"

**System settings**

- Set Network
- Set Proxy
- Set Network Test
- Set Time and Date
- **Synchronization Service**
  - Service Settings
  - Shared Files
  - **BMDE Version Sharing**
  - Client Settings
- Storage Cleanup
- Admin Control
- Display
- Browser
- Preconfiguration
- Updates

Synchronization Service distributes users, settings, iOS firmwares and BMDE versions to all connected clients. One machine in the network needs to be made Server and other machines (Clients) connect to Server.

**Synchronization Service**

Use Synchronization Service: Server

**Client Version Configuration**

BMDE version to share: Latest (5.0.1)

Client update polling interval: 15

<input checked="" type="checkbox"/> Client IP	Client Hostname	BMDE version	Scheduled update / Status
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By default, Client machines will use Sync Server default Settings from BMDE Settings. If there is a need to control default settings and modify them for an individual user or all the users "Setting Template" can be used:

Navigate to System Settings > Synchronization Service > Client Settings > "Modify Settings Template".

**System settings**

- Set Network
- Set Proxy
- Set Network Test
- Set Time and Date
- **Synchronization Service**
  - Service Settings
  - Shared Files
  - Firmware DL Settings
  - BMDE Version Sharing
  - Client Download
  - **Client Settings**
- Storage Cleanup

Synchronization Service distributes users, settings, iOS firmwares and BMDE versions to all connected clients. One machine in the network needs to be made Server and other machines (Clients) connect to Server.

**Synchronization Service**

Use Synchronization Service: Server

**Template Modifier**

Template defines predefined values that are assigned to existing and newly created users. Grayed areas mean that user can freely modify them. Non grayed forces the specified value to be used.


Modify Settings Template Clear template

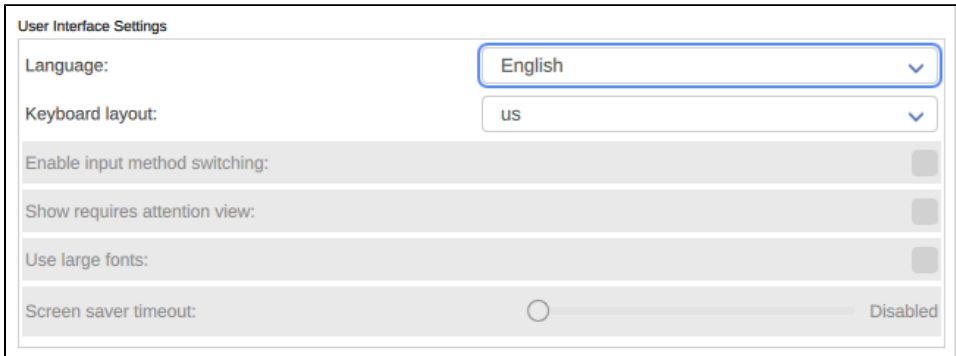
Printer settings are added to the template by copying them from a user account that has printers configured.

Modify Printer Templates

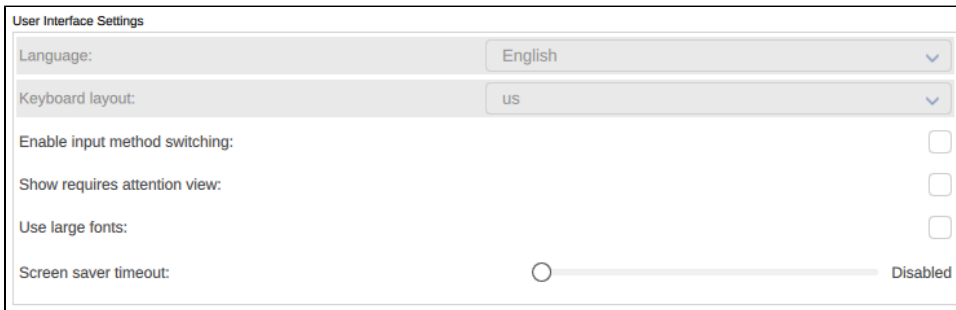
1. To edit a field and its value, right click the field to make it active.
2. Select the default value for the field. This value will be used as a default value for all other users.

Leaving the field "active" (after right clicking the field) locks down the field and prevents normal users from changing the field.

 When the Settings Template is configured as below example:

A screenshot of the 'User Interface Settings' window. It contains several settings: 'Language' is set to 'English' in a dropdown menu; 'Keyboard layout' is set to 'us' in a dropdown menu; 'Enable input method switching' is a toggle switch that is turned off; 'Show requires attention view' is a toggle switch that is turned off; 'Use large fonts' is a toggle switch that is turned off; and 'Screen saver timeout' is a slider set to 'Disabled'.

The actual end user's setting menu looks like the example below and doesn't allow user to change "Language" and "Keyboard layout".

A screenshot of the 'User Interface Settings' window as seen by an end user. The 'Language' and 'Keyboard layout' dropdown menus are disabled (grayed out). The other settings are the same as in the previous screenshot: 'Enable input method switching', 'Show requires attention view', and 'Use large fonts' are all disabled toggle switches, and 'Screen saver timeout' is a slider set to 'Disabled'.

3. To apply the changes, admin password is required
4. To finish click "OK"

If there is a need for multiple users for BMDE login accessing different BMDE client stations, follow below steps in the Sync Server. All the added users will be available across all the client stations connecting to this Sync Server

Navigate to System Settings > Synchronization Service > Client Settings > Add User

A screenshot of the 'Add User' dialog in the Sync Server. The dialog has a title bar 'User Settings Modifier' and a subtitle 'Select user who's settings should be modified. Client machines will use these settings next time they reboot or user login.' Below this is a label 'Exportable Users:' followed by a dropdown menu. At the bottom of the dialog are three buttons: 'Add User', 'Remove User', and 'Modify user settings'. The 'Add User' button is highlighted with a red rectangle.

1. Enter the username and password
2. Click "Create"

## Client Setup

Below are the ideal or recommended Client Synchronization setup steps. User/Admin can configure sync settings as needed.

1. Open System Settings in the BMDE login screen
2. Click on Synchronization Service
3. Define "Use Synchronization Service" as "Client"
4. In the "Server address/IP" field fill in the server created under the "Sync Server Setup" chapter
5. By default it is recommended to enable below options:
  - a. Synchronize system settings
  - b. Synchronize Users
  - c. Strictly follow server (sub-setting for Synchronize Users)
  - d. Synchronize firmware
  - e. Synchronize version
6. Make sure "Connection status" indicator is GREEN. If indicator remains red/yellow the connection between this BMDE station and the "server" station is being checked or doesn't work.

System settings

- Set Network
- Set Proxy
- Set Network Test
- Set Time and Date
- Synchronization Service**
  - Client Settings
  - Shared Files
- Storage Cleanup
- Admin Control
- Display
- Browser
- Preconfiguration
- Updates
- Uninstallation

Synchronization Service distributes users, settings, iOS firmwares and BMDE versions to all connected clients. One machine in the network needs to be made Server and other machines (Clients) connect to Server.

Synchronization Service

Use Synchronization Service:

Client

Synchronization Service Client Configuration

Server address/IP:

example: 192.168.1.100:8080

Synchronize system settings:

Exclude common slot view layout:

Synchronize users:

Strictly follow server:

Exclude USB identifiers:

Exclude Browser settings:

Exclude Customer Location

Exclude Customer Name

Synchronize firmwares:

Synchronize version:

Connection status:

File Sharing Settings

File sharing port range:

6700

-

7000

Download rate limit:

50000 KB/s

Upload rate limit:

50000 KB/s

Max connections:

50

Max simultaneous uploads:

4

OK

Cancel

After completing the setup the "Server" BMDE installation distributes all the selected settings, users, iOS firmwares and BMDE software updates to all connected BMDE "Client" installations.