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

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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

System settings	3				8
Set Network Set Proxy Set Network Test	Synchronization Service distributes users, settings, connected clients. One machine in the network nee (Clients) connect to Server.	iOS firmwa ds to be ma	res and BMDE ide Server and	versions to all other machine:	-
Set Time and Date	Use Synchronization Service:	Server			v
Synchronization Service	Synchronization Service Settings				
Service Settings Shared Files	Port to listen pn:		~	8000	
Eirmware Di Settings	Max simultaneous downloads from original servers	С.	0		

3. Select Firmware DL Settings

a. Verify Version.xml to share to clients is selected as "Blancco Verified"

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System settings	3			Å
Set Network Set Proxy	Synchronization Service distributes users, settin connected clients. One machine in the network (Clients) connect to Server.	ngs, iOS firmwares and BMD needs to be made Server ar	E version nd other m	ts to all nachines
 Set Network Test 	Synchronization Service			
 Set Time and Date 	Use Synchronization Service:	Service		
Synchronization Service	Server's Firmware Download Configuration.			
 Service Settings Shared Files 	Synchronization Service enables IOS firmware network traffic to external network.	file distribution to clients with	hout caus	ing unneed
 Firmware DL Settings 	Set here how the Server should download the f	firmwares from original serve	ers.	
BMDE Version Sharing	iOS Firmware version data update interval:	-0	6	Hours
Client Download			_	
- onent worninetta				Update now
Client Settings	Magning and in charge to eligente	(start)		Update now
Client Settings Storage Cleanup	Version xml to share to clients:	Latest	*	Update now View
Client Settings Storage Cleanup	Version xml to share to clients: Tags: Latest Oldest Still Signed	Latest Appla signed:	¥	Update now View
Client Settings Storage Cleanup Admin Control Display	Version xml to share to clients: Tags: Latest Oldest Still Signed Release calle: 2023-06-21 Included firmware versions: 5.1.1 6.1.6 7.1.2 9.3.5 9.3.6 10.3.3 10.3.4 12.5.7	Latest Appla signed: Blancco verified: 15.7.7 16.5.1	*	Update now View



System settings	3		8
Set Network Set Proxy Set Network Test	Synchronization Service distributes users, set connected clients. One machine in the networ (Clients) connect to Server. Bynchronization Service	tings, iOS firmwares and BMDE versio k needs to be made Server and other r	ns to all machines
Set Time and Date	Use Synchronization Service.	Server	Ŷ
Synchronization Service	Client Version Configuration		
Service Settings Shared Files	BMDE version to share: Client update polling interval:	Latest (5.0.1)	~
BMDE Version Sharing	Client IP Client Hostname	BMDE Scheduled update / version	/ Status
Client Settings			
Storage Cleanup			
Admin Control			
• Display			
Browser			
Preconfiguration			
+ Lindatas			

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".

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Synchronization Service distributes us connected clients. One machine in the (Clients) connect to Server. Bynchronization Service	sers, settings, iOS firmwares and BMDE versi e network needs to be made Server and other	ons to all machines
Use Synchronization Service:	Server	Ý
Template Modifier		
Template defines predefined values t areas mean that user can freely mod	hat are assigned to existing and newly create Ify them. Non grayed forces the specified value	d users. Grayed le to be used.
Printer settings are added to the temp configured.	Modify Settings Template	Clear template at has printers
	Modify Pr	rinter Templates
	Synchronization Service distributes us connected clients. One machine in the (Clients) connect to Server. Synchronization Service Use Synchronization Service. Use Synchronization Service. Template defines predefined values t areas mean that user can freely mod Printer settings are added to the tem configured.	Synchronization Service distributes users, settings, iOS firmwares and BMDE versi connected clients. One machine in the network needs to be made Server and other (Clients) connect to Server. Synchronization Service Use Synchronization Service: Server Template defines predefined values that are assigned to existing and newly create areas mean that user can freely modify them. Non grayed forces the specified values Printer settings are added to the template by continue from a user account the configured. Modify Petings Fermion

To edit a field and its value, right click the field to make it active.
 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:

User Interface Settings			
Language:	English	~	
Keyboard layout:	us	~	
Enable input method switching:			
Show requires attention view:			
Use large fonts:			
Screen saver timeout:	0	Disabled	
Use large fonts: Screen saver timeout:	0	Disab	

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

English	~
us	~]
0	Disabled
	English us

- 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

Client Download Client Settings	configurea.		1	lodity Printer Templates
Storage Cleanup	User Satlings Modifier			
Admin Control Display	Select user who's settings should be they reboot or user login.	e modified. Client mac	hines will use the	se settings next time
Browser	Exportable Users:			×
 Preconfiguration 		Add User	Remove User	Modify user settings

- 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 settin	gs			8
Set Network Set Proxy	Synchronization Service distributes users connected clients. One machine in the ne (Clients) connect to Server.	s, settings, iOS firmwares an etwork needs to be made Se	nd BMDE versio erver and other r	ns to all machines
Set Network Test	Synchronization Service			
Set Time and Date	Use Synchronization Service.	Client		~
Synchronization Servic Client Settings	Synchronization Service Client Configuration	winereds, Aliz Top 1		1
 Shared Files 	Synchronize system settings:			
Storage Cleanup	Exclude common slot view layout:			
Admin Control	Synchronize users:			
Display	Strictly follow server:			1
Browser	Exclude USB identifiers:			
Preconfiguration	Exclude Browser settings: Exclude Customer Location			8
Updates	Exclude Customer Name			
Uninstallation	Synchronize firmwazes:			1
	Synchronize version:			
	Connection status:			•
	File Sharing Settings			
	File sharing port range:	6700	- 7000	
	Download rate limit:	0		50000 KB/s
	Upload rate limit:	0		50000 KB/s
	Max connections:	-0		50
	Max simultaneous uploads:	-0		4
			ок	Cancel

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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.