

# e-BRIDGE Print & Capture

(Standard/Lite)

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## Setup Guide

## **Purpose**

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This is a document for TOSHIBA TEC group. This document describes how to set the MFP and application when using the e-BRIDGE Print & Capture. Please set up the MFP in accordance with the customer's environment.

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## 1. Overview

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### 1.1. Function

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e-BRIDGE Print & Capture (hereafter called eBPC) is an Android/iOS application with following functions.

- Retrieve the scan document from MFP to Android/iOS device.
- Print the document from Android/iOS device
- Multiple cloud storage

### 1.2. System Requirements

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#### Android

Type of device	Support OS
Phone	Android 2.3.3 or later
Tablet	Android 3.1.0 or later

#### iOS

Type of device	Support OS
iPad/iPhone/iPod touch	iOS 7, iOS 8, iOS 9

## 2. MFP Setting

### 2.1. Required Setting

Please confirm the following settings to MFP when you use eBPC application. You cannot use this application if the setting is disabled.

#### 2.1.1. SNMP Network Service

eBPC get the MFP information using SNMP V1/V2. Please enable the SNMP V1/V2 via TopAccess.

##### SNMP Network Service

Selecting 'Save' in the Main Window is required to Save the new settings.

Enable SNMP V1/V2	<input type="button" value="Enable"/>
Read Community	<input type="text" value="public"/>
Read Write Community	<input type="text" value="private"/>
Enable SNMP V3	<input type="button" value="Disable"/>

[TopAccess->Administrator->Setup->Network->SNMP Network Service->Enable SNMP V1/V2]

#### 2.1.2. Web Service Setting

eBPC control the print and scan function using Web Service Print and Web Service Scan function. Please enable the Web Service Print and Web Service Scan via TopAccess.

##### Web Services Setting

Selecting 'Save' in the Main Window is required to Save the new settings.

General	
Enable SSL	<input type="button" value="Disable"/>
Friendly Name	<input type="text" value="TOSHIBA e-STUDIO5055C-11206708"/>
Print	
Web Services Print	<input type="button" value="Enable"/>
Printer Name	<input type="text" value="TOSHIBA e-STUDIO5055C-11206708"/>
Printer Information	<input type="text"/>
Scan	
Web Services Scan	<input type="button" value="Enable"/>
Scanner Name	<input type="text" value="TOSHIBA e-STUDIO5055C-11206708"/>
Scanner Information	<input type="text"/>
Authentication for PC Initiated Scan	<input type="button" value="Accept any job"/>
Note:Accept any job : Accounted as Guest if user name is invalid. (Enable Guest account with Remote Scan permission.)	

[TopAccess->Administrator->Setup->Network->Web Service Setting->Print->Web Service Print]

[TopAccess->Administrator->Setup->Network->Web Service Setting->Scan->Web Service Scan]

## 2.2. Configuration of Customers environment

Settings will be depending on the customer environment. Please confirm customers environment using the following table.

Customers environment		Required setting
Disable the MFP authentication		There is no required configuration.
Enable the MFP authentication	Managing the counter	2.2.1When authentication mode is enabled
	Not managing the counter	2.2.1.4Not Manage the Each User/Department Counter (Print) 2.2.1.5Not managing the user/department counter (Scan)
Use SSL		2.2.2Enforce the SSL to user

### 2.2.1. When authentication mode is enabled

When MFP authentication mode is enabled, the following setting is required.

#### 2.2.1.1. Enable the Off Device Customization Architecture

When MFP authentication mode is enabled, eBPC use Off Device Customization Architecture. Please enable the Off Device Customization Architecture for authentication via TopAccess. If you change the port number and SSL port number, please change the setting to fit the customer's environment.

##### Off Device Customization Architecture Setting

###### Network

Enable Port	<input type="text" value="Enable"/>
Port Number	<input type="text" value="49629"/>
Enable SSL Port	<input type="text" value="Enable"/>
SSL Port Number	<input type="text" value="49630"/>
<b>Configuration</b>	
Session Timeout(60-99999)	<input type="text" value="90"/> Seconds

[TopAccess->Administration->Setup->ODCA->Network->Enable Port]

[TopAccess->Administration->Setup->ODCA->Network->Enable SSL Port]

#### 2.2.1.2. Manage the each user/department counter (Print/Scan)

If the customer manage each user/department counter, registration of a user/department account is required in MFP. In addition, please set the role to user for executing scan and print from eBPC. Please refer to "2.2.1.3 Execute permission for Scan and Print(P7)" for detail.

### 2.2.1.3. Execute permission for Scan and Print

When authentication mode is enabled at MFP, user needs the following permission to execute the scan and print.

#### [Print Permission]

##### MFP Function

- Copy Function
  - Copy Job
- Print Function
  - Print Job
  - Print Management
- Scan Function
  - RemoteScan/WSScan(Pull)
- Fax/iFax Function
  - Internet Fax Transmission
  - Fax Transmission
  - Fax Received Print
- Output Setting
  - Colour Print

[TopAccess->User Management->Role Management ->Role Name-> MFP Function->Print Function -> Print Job]

[TopAccess->User Management->Role Management ->Role Name->MFP Function->Output Setting -> Colour Print]

#### [Scan Permission]

##### MFP Function

- Copy Function
  - Copy Job
- Print Function
  - Print Job
  - Print Management
- Scan Function
  - RemoteScan/WSScan(Pull)

[TopAccess-> User Management->Role Management ->Role Name-> MFP Function->Scan Function -> RemoteScan/WSScan(Pull)]

## 2.2.1.4. Not Manage the Each User/Department Counter (Print)

If the customer doesn't manage each user/department counter, following setting is required.

### When the customer enable the department authentication

#### 2.2.1.4.1 Set Invalid Department Code Print Job to Print (P8)

### When the customer enable the user authentication

#### Domain authentication or LDAP authentication

Please set one of them.

#### 2.2.1.4.2 Check the Use Password Authentication for Print Job (P8)

#### 2.2.1.4.3 Enable the User authentication by login information to domain (P9)

#### Local authentication or above-mentioned setup cannot be performed

#### 2.2.1.4.4 Set "Authentication failed print job/Raw Print Job" to Print (P9)

NOTE: If the above-mentioned setup is enabled, arbitrary users can print.

### 2.2.1.4.1. Set Invalid Department Code Print Job to Print

Please set "Invalid Department Code Print Job" to "Print".

Department Setting	
Department Code	Enable ▼
Require Department Code in User Registration	Disable ▼
* Please set the Department Code to existing user which Department Code is not set.	
Invalid Department Code Print Job	Print ▼

[TopAccess->Administration->Security->Authentication->Department Setting->Invalid Department Code Print Job]

### 2.2.1.4.2. Check the Use Password Authentication for Print Job

Please enable the "Use Password Authentication for Print Job" via TopAccess.

User Authentication Setting	
User Authentication	Enable ▼
Authentication failed print job/Raw Print Job	Delete ▼
Auto Release on Login	Disable ▼
<input checked="" type="checkbox"/> Use Password Authentication for Print Job	

\*It is not able to print from other than Windows Client when this function is enabled.

[TopAccess-> Administration->Security->User Authentication Setting->Use Password Authentication for Print Job]

This setting is not supported by e-STUDIO6550/4540/856/456 Series.



### 2.2.1.4.3. Enable the User authentication by login information to domain

Please turn on the self diagnosis mode, and enable the user authentication by login information domain.

Code	Detail	Default value	Value
8749	User authentication by logon information to domain (external authentication)	0	0:Disable 1:Enable

### 2.2.1.4.4. Set "Authentication failed print job/Raw Print Job" to Print

1. Please set "Authentication failed print job/Raw Print job "to Print via TopAccess.

#### User Authentication Setting

User Authentication Enable ▾

Authentication failed print job/Raw Print Job Print ▾

Auto Release on Login Disable ▾

Use Password Authentication for Print Job

\*It is not able to print from other than Windows Client when this function is enabled.

[TopAccess-> Administration->Security->User Authentication Setting->Authentication failed print job/Raw Print Job]

2. Please set the permission to execute the print for printope user. Please refer to 2.2.1.3Execute permission for Scan and Print (P7) for details.

### 2.2.1.5. Not managing the user/department counter (Scan)

Please set the following setup, if the customer doesn't manage each user/department scan counter.

#### 2.2.1.5.1. Set "Authentication for PC Initiated Scan" to Accept any job

1. Please set "Authentication for PC Initiated Scan" to Accept any job via TopAccess

#### Scan

Web Services Scan Enable ▾

Scanner Name

Scanner Information

Authentication for PC Initiated Scan Accept any job ▾

Note:Accept any job : Accounted as Guest if user name is invalid. (Enable Guest account with Remote Scan permission.)

[TopAccess->Administration->Setup->Network->Web Service Setting -> Scan -> Authentication for PC Initiated Scan]

2. Please set the permission to execute the scan for guest user. Please refer to 2.2.1.3Execute permission for Scan and Print (P7) for details.

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## 2.2.2. Enforce the SSL to user

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If you enforce the SSL to user, please set the following.

### Web Services Setting

Selecting 'Save' in the Main Window is required to Save the new settings.

#### General

Enable SSL

 ▼

Friendly Name

[TopAccess->Administration->Setup->Network->Web Service Setting->General ->Enable SSL ]

## 2.3. Application Setting

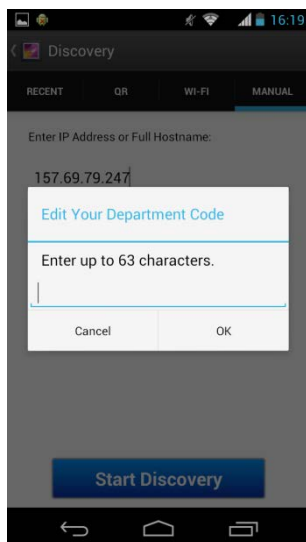
### 2.3.1. License service by Google Play(Only Android version)

eBPC checks the licensing at its first time start up using Google Play service . After installing the application, when you start for the first time, please check whether EBPC is directly connectable with Google Play. eBPC cannot be used when application is installed without going via Google Play or the Android device cannot connect to Google Play.

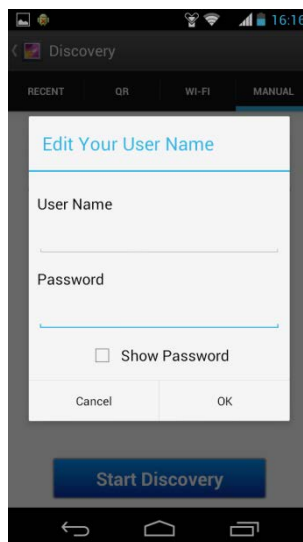
### 2.3.2. How to set user/department information

If authentication mode is enabled at MFP, user has to input the user information to application. If user information is once inputted at the time of a print or scanning functional use, these information will be automatically reflected at the time of other functional use.

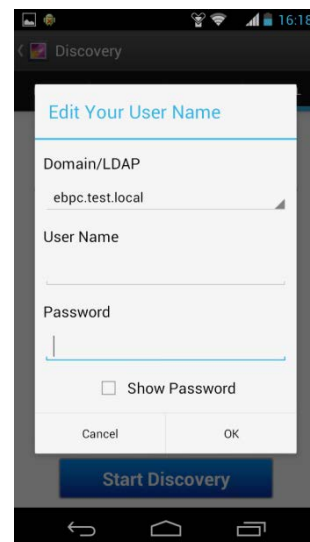
[Android]



Department authentication



Local authentication



Windows Domain/LDAP Authentication

[iOS]



Department authentication



Local authentication



Windows Domain/LDAP Authentication



Authentication mode	Input information	Example
Department authentication	Department code	Department code: 123456
MFP local authentication	User name and password	User name: user Password:123456
Windows domain authentication	Domain name, user name and password	Domain name: eBPC.tec.local User name: user Password: 123456
LDAP authentication	LDAP server name, user name and password	LDAP server name: eBPC.tec.local User name: user Password:123456

When LDAP authentication is enabled at MFP, eBPC don't support scan function.

# **TOSHIBA**

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**e-BRIDGE Print & Capture (Standard/Lite)**

**Setup Guide**

**TOSHIBA TEC CORPORATION**

1-11-1, OHSAKI, SHINAGAWA-KU, TOKYO, JAPAN