e-BRIDGE Print & Capture
(Standard/Lite)
Setup Guide
Purpose

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**

1.1. **Function**

   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**

<table>
<thead>
<tr>
<th>Type of device</th>
<th>Support OS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Android</strong></td>
<td></td>
</tr>
<tr>
<td>Phone</td>
<td>Android 2.3.3 or later</td>
</tr>
<tr>
<td>Tablet</td>
<td>Android 3.1.0 or later</td>
</tr>
<tr>
<td><strong>iOS</strong></td>
<td></td>
</tr>
<tr>
<td>iPad/iPhone/iPod touch</td>
<td>iOS 7, iOS 8, iOS 9</td>
</tr>
</tbody>
</table>
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**

![SNMP Network Service](image1)

[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**

![Web Services Setting](image2)

[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.

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

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.

```
[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]

<table>
<thead>
<tr>
<th>MFP Function</th>
</tr>
</thead>
</table>
| Copy Function
  | Copy Job |
| Print Function
  | Print Job
  | Print Management |

Scan Function
- RemoteScan/WSScan(Pull)

Fax/Fax Function
- Internet Fax Transmission
- Fax Transmission
- Fax Received Print

[Scan Permission]

<table>
<thead>
<tr>
<th>MFP Function</th>
</tr>
</thead>
</table>
| Copy Function
  | Copy Job |
| Print Function
  | Print Job
  | Print Management |

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”.

<table>
<thead>
<tr>
<th>Department Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department Code</td>
</tr>
<tr>
<td>Require Department Code in User Registration</td>
</tr>
</tbody>
</table>
| *Please set the Department Code to existing user which Department Code is not set.*

Invalid Department Code Print Job

[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.

<table>
<thead>
<tr>
<th>User Authentication Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Authentication</td>
</tr>
<tr>
<td>Authentication failed print job/Raw Print Job</td>
</tr>
<tr>
<td>Auto Release on Login</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Detail</th>
<th>Default value</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>8749</td>
<td>User authentication by logon information to domain</td>
<td>0</td>
<td>0:Disable</td>
</tr>
<tr>
<td></td>
<td>(external authentication)</td>
<td></td>
<td>1:Enable</td>
</tr>
</tbody>
</table>

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](image)

   - **User Authentication**: Enable
   - **Authentication failed print job/Raw Print Job**: Print

   *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 2.2.1.3 Execute 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](image)

   - **Authentication for PC Initiated Scan**: Accept any job

   *Note: Accept any job: Accounted as Guest if username 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 2.2.1.3 Execute permission for Scan and Print (P7) for details.
2.2.2. Enforce the SSL to user

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

**Web Services Setting**

[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

[Android]

Department authentication  Local authentication  Windows Domain/LDAP Authentication

[Android]
<table>
<thead>
<tr>
<th>Authentication mode</th>
<th>Input information</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department authentication</td>
<td>Department code</td>
<td>Department code: 123456</td>
</tr>
<tr>
<td>MFP local authentication</td>
<td>User name and password</td>
<td>User name: user</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Password: 123456</td>
</tr>
<tr>
<td>Windows domain authentication</td>
<td>Domain name, user name and password</td>
<td>Domain name: eBPC.tec.local</td>
</tr>
<tr>
<td></td>
<td></td>
<td>User name: user</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Password: 123456</td>
</tr>
<tr>
<td>LDAP authentication</td>
<td>LDAP server name, user name and password</td>
<td>LDAP server name: eBPC.tec.local</td>
</tr>
<tr>
<td></td>
<td></td>
<td>User name: user</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Password: 123456</td>
</tr>
</tbody>
</table>

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