fotopia

caters to all your organization's digital needs.

Capture

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1- INTRODUCTION

Herein after you would go through the various steps of the installation process of Capture, if you followed them in order, you will easily and successfully install Fotopia Capture within an hour or two.

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I. INSTALLATION PREREQUISITES

Before starting to install Fotopia capture you have to make sure you have the following apps in your server with the corresponding versions to make sure you will easily and successfully install Fotopia capture without any problems.
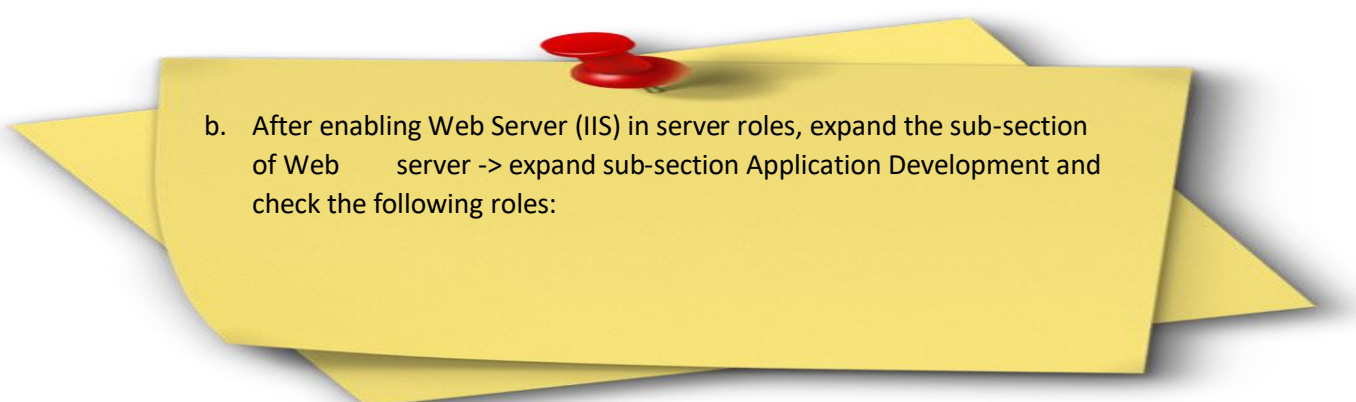
1.1 Application Prerequisites

Application	Version	Compatibility
.NET Extensibility	3.5	In case of windows server 2012
.NET Extensibility	4.5 or 4.6	In case of windows 2016
ASP.NET	3.5	In case of windows server 2012
ASP.NET	4.5 & 4.6	In case of windows 2016
.NET Framework 3.5 & (4.6 or 4.5)	3.5 & (4.6 or 4.5)	Enable them from features
.NET Framework	4.6	If not exist in features download & install it
Notepad++	7.9.3	Download 64-bit x64 or 32-bit x86
Adobe Acrobat Reader DC	Any Version	To open the guide on it.

1.2 Installation first step

➢ **Start your installation following the below steps:**

1. Enable Server roles and features in Windows Server 2012 R2 as following:
   a. Enable Web Server IIS7 or + from Server Roles and activate its sub features.

   b. After enabling Web Server (IIS) in server roles, expand the sub-section of Web   server -> expand sub-section Application Development and check the following roles:

   - Application Initialization
   - ISAPI Extensions
   - ISAPI Filters
   - CGI

   C. Enable Application Server from Server Roles.

1.3 Server Manager and Web manager

➢ **How to open server manager and Web server:**

1. Open *Manage >> Add Roles and Features*, click ***Next***

2. Open Server Roles >> Web Server (IIS) >> Add Features, click **Next**

3. Open Server Roles >> Application Server >> Features >> check Net framework 4.5 , 3.5 Features then expand and check ASP.NET 4.5 >> Web Server Role (IIS) >> Role Service you will find all modules >> check Application Development and mark on all items in it click **Next**

4. In 2012 version you need to specify an Alternate Source Path (D: or your virtual CD Drive, D:\Sources\SxS\) click **install**.

1.4 Net Framework

➢ **Download and install .NET Framework 4.5.2 from below link**

https://www.microsoft.com/en-eg/download/details.aspx?id=42642

II. MONGO DATABASE

2.1 Mongo Database Installation

https://fastdl.mongodb.org/win32/mongodb-win32-x86_64-2008plus-3.2.22- signed.msi or

https://www.mongodb.org/dl/win32/x86_64

visit the following link to select the 3.2 version

https://www.mongodb.com/download-center/community?jmp=docs

https://dl.mongodb.org/dl/win32/x86_64Mongo DB config

> Download and install mongo DB version 3.2 not 3.4

2.2 Mongo DB Configuration:

> **To configure Mongo Database do as follows:**
1. Run command prompt as an Administrator and execute the following commands:
   mkdir c:\data\db
   mkdir c:\data\log
   echo logpath=c:\data\log\mongod.log> "C:\Program Files\MongoDB\Server\3.2\mongod.cfg"
   echo dbpath=c:\data\db>> "C:\Program Files\MongoDB\Server\3.2\mongod.cfg"
2. Open this pc, the C folder >> program files >> Mongo DB >> Server >> 3.2 >> mongod.config.
3. Open in Notepad++ you will find the path.

   sc.exe create MongoDB binPath= "\"C:\Program Files\MongoDB\Server\3.2\bin\mongod.exe\"--service--config=\"C:\ProgramFiles\MongoDB\Server\3.2\mongod.cfg\""DisplayName= "MongoDB 3.2" start= "auto"

> Replace "c:\data" with your preferred database storage location

4. Then start mongodb.
5. **Create DB Server Admin as follows:**
    a. Run mongo.exe at: C:\Program Files\MongoDB\Server\3.2\bin
       as an administrator and write the following commands:

use admin

db.createUser({user: "admin", pwd: "fotopia123", roles: [{ role: "userAdminAnyDatabase", db: "admin" }]})

copy and paste **use admin** first, then,

db.createUser({user: "admin", pwd: "fotopia123", roles: [{ role: "userAdminAnyDatabase", db: "admin" }]}

    b. Create DB Application User:

Run mongo.exe at: C:\Program Files\MongoDB\Server\3.2\bin

as an administrator and Write the following commands:

use admin

db.createUser({user: "appuser", pwd: "infas123", roles: [{ role: "readWriteAnyDatabase", db: "admin" }]})

1. Replace user and pwd with preferred username and password.

2. Password must only contain number and alphabets else Mongo DB cannot be accessed with the set username and password.

3. You can use this user **"admin"** for administration tasks only, no database Read/Write/Delete permission is granted to this user.

4. Do not edit the command: db: **"admin"**

    c. Enforce Mongo DB Client Authentication :
        • Open mongod.cfg at C:\Program Files\MongoDB\Server\3.2 and add the following line:
        • auth=true
    d. Save the file with the same extension .cfg
    e. Restart Mongo DB service from Windows Services.
    f. (Optional) Change the default port (27017) on Mongo DB:
    g. Open mongod.cfg at C:\Program Files\MongoDB\Server\3.2 and add the following line:
        • Port= <Port Number>
        • Port= (E.g., port=25020)
    h. Then save the file again with same extension .cfg
    i. Restart Mongo DB service from Windows Services

Recommended to not use default port. Refer to section (1.d.e.) to change port from Mongo DB.

j. Firewall settings for Mongo DB configuration:

- In case of deploying Fotopia modules on one server on premises:
    - Open the port from Firewall Settings by creating a new rule to allow the port in Inbound rules section with default or preferred port number.
- In case of deploying Fotopia modules in Multiple servers on premises:
    - One or all Fotopia modules can be on another server/s, inbound port must be open for Mongo DB to access Mongo DB from outside (default Mongo DB port is 27017).
    - Open the port from Firewall Settings by creating a new rule to allow the port in Inbound rules section with default or preferred port number.
- In case of deploying Fotopia modules on cloud:
    - One or all Fotopia modules can be on another server/s on Azure, inbound port must be open for Mongo DB to access Mongo DB from outside (default Mongo DB port is 27017).
    - Change the port from Firewall Settings by creating a new rule to allow the port in Inbound rules section with default or preferred port number. Open the port in Azure Firewall as well.

III. FOTOPIA CAPTURE INSTALLATION STEPS

> **To install Fotopia capture application:**
>
> 1. Download and Open Fotopia Capture installer as administrator from the introductory email:
>   a. Run the .exe file
>   b. Click on **button Generate Encrypted DB** then do the following: Fill the details as per below instruction:
>   c. Fill the details as per below instruction:
>   1. Replace local host IP 127.0.0.1 with Machine IP.
>   2. Use the Mongo DB port defined during configuration.
>   3. Enter the non-admin username and password.
>   4. Check Secured only if SSL is installed for the Fotopia site.
>   5. Generate the Connection string value to use it in Fotopia installer then press **OK** button to add it automatically to DB String field in installer window.

MongoConnectionBuilderForm

server name or ip : 127.0.0.1
port no. : 27017
user name :
password :

Generate

Ok

Mongo DB Server IP which is database string will replace with **connection string**.

i) Take connection string, copy it then paste in Notepad,.
ii) Click **Next**, then select the license file provided by Fotopia team, there are sometimes issues in the display, to deal with them, navigate with the **Tab** button then press **Enter.**
iii) Browse to get **CaptureLicense.oto (may be numbers or alphabets)**, then press activate.
iv) Click **Next**, you will find the modules, check **overwrite license file**, press **copy files**, press the **Tab** button, then **Enter**, **C file >> inetpub** >> C:\inetpub**wwwroot** then press **OK**
v) Copy the Files**,** install & update, Inbound then press **Enter.**
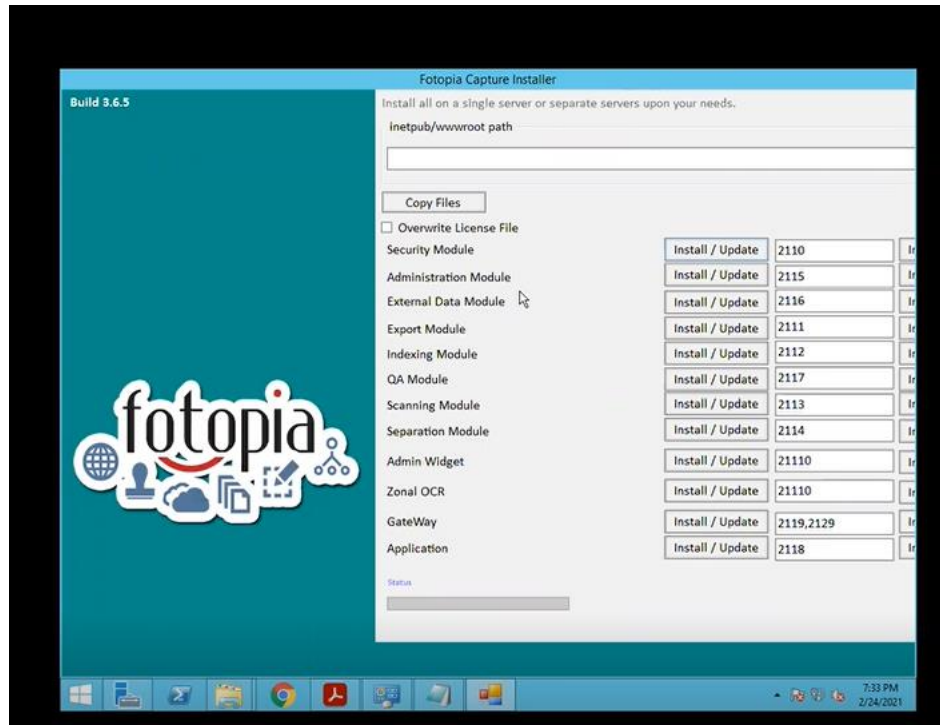
• Keep track of the generated value, as we need it in later steps.

c. If successful, ask for License File of Fotopia from support@fotopiatech.com. Browse the shared license file then press on Activate button. On successful activation click **Next**.

d. Installer asks for IIS inetpup/wwwroot path, so make sure to add it e.g. C:\inetpub\wwwroot.

e. After adding the IIS path successfully, install Fotopia module by module by clicking on "install/update" button. Ensure to open inbound port automatically for all modules by clicking on "inbound" button. After success installation of required modules click on **Next**.

3.1 Deploying Fotopia modules in Multiple servers on premises

In case of deploying Fotopia modules in Multiple servers on premises: Do not install all modules and open its respective inbound port in same server. Install only the required modules and open its inbound port on the other servers.

3.2 Deploying Fotopia modules on Cloud

In case of deploying Fotopia modules on Cloud: Install all Fotopia modules and open Gateway & App ports automatically using the inbound button from local server's firewall. Ensure to open Azure firewall manually for all inbound ports also.

> After successful installation, ensure **Fotopia License Updater** service is up and running. If the service is not running, then users cannot login to Fotopia web app. Stopping this service will result to stop the system

1) open services you will find a new added service called FotopiaLicenseUpdater must be running.
2) On IIS, navigate and select FotopiaCapture site, Right-Click and Explore, edit the web.config and replace Gateway & Admin Gateway Keys with new Server IP in following keys

<add key="admingateway" value=http://ServerIP:2129/api/" />

<add key="gateway" value=http://ServerIP:2119/api/" />

3) Open IIS >> Expand **WIN**, press **NO**, then expand **Sites** and search if any module not running restart it.
4) Open Application Pools, then search if any module not running and restart it.
5) Open Fotopia Capture, right click >> explore >> open web.config in Notepad++ and then follow the upper commands.
6) On IIS, navigate and select FotopiaGateway site, Right-Click >> Explore, edit the web.config and replace **dbip** Key as below with value in step 2.a.g.

<add key="dbip" value="Mongo DB Connection String" />

7) Navigate to Fotopia Gateway from IIS Manager, then explore, web.config, copy dbip from Notepad.

<add key="dbip" value="Connection String" />

Then, we need to ensure that the Capture License File
Path is right

- Open C >> Program Files >> Fotopia License Updater, copy the path and paste it in Capture
License File Path, Capture License Log File Path.

We need to ensure that all ports are right

- so, you will find **MICResoure** and **MICEnhancement**, navigate to IIS >> application pools >> sites,
and replace them with port **21110**.

8) Repeat the above steps with Fotopia Admin Gateway IIS Site and also check Fotopia License File
Path is right.
9) Start IIS from cmd as administrator and write this command **iisreset.**
10) Access application portal through the link:
http://Machine IP Number:2118 or https://Machine IP Number:2118
if SSL certificate is applied. Do not use localhost, you can change port 2118 with preferred port
number entered during step (2.b) adjacent to the module installed.

In case of deploying Fotopia modules in Multiple servers on premises: Fotopia Capture has many Micro Services, which could be installed in 1 or more machines, so ensure to set the configurations and License key on all servers as per step (2.b.c, 2.b.d and

In case of deploying Fotopia modules on Cloud: Configuration and add License File as per step 2.b.c, 2.b.d and 2.b.e.

Ensure to replace localhost with Published IP of server Navigate to Chrome then, write **MachineIP:2118/login.html.**

The Admin user must login to Fotopia for the first time using the below credentials:

Username: admin

Password: P@ssw0rd (complex)

1. And after successful login, he/she creates a new user & password through the **Users** tab in the portal.
2. Sign out completely.
3. And resign in with new admin username and password he/she just created.
4. This will disable the default admin username and password, and it is to be done once and for all.

3.3 Installation of the Export service

1. Run Fotopia Capture Export Service R 2.2.2.17 File from the folder downloaded in introductory email.
2. Then follow the installation instructions inside ReadMe.txt from the downloaded file.
3. Kindly note that inside ReadMe.txt you will be asked to add mongo DB server, which means to add DB connection String for Keys dbip & dbscan.

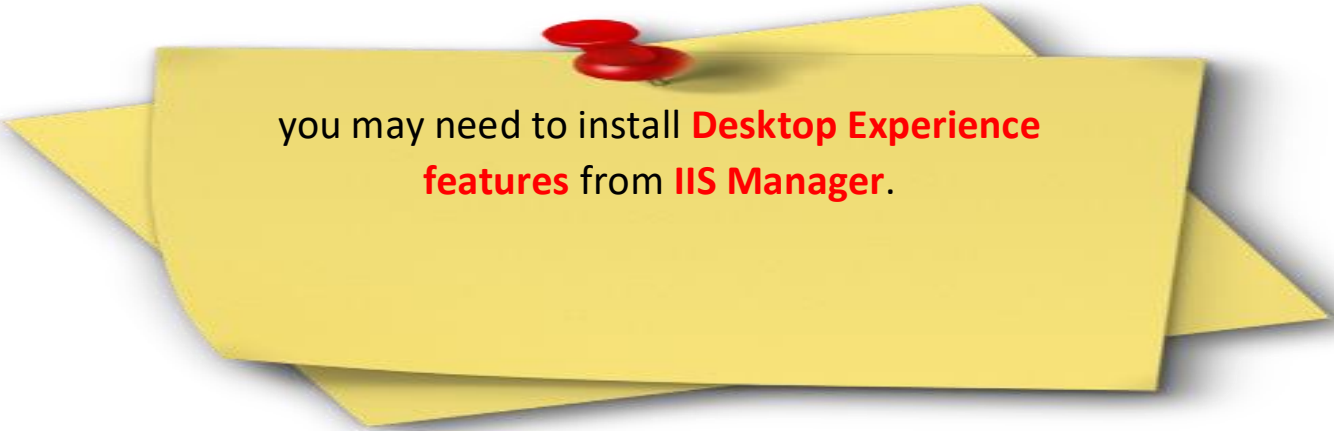## 3.4 Fotopia Capture RollBack

1. Stop Fotopia capture IIS Services and Fotopia Export windows service.
2. Restore IIS Old Files from Backup and replace it with updated one.
3. Restore Fotopia Export File from backup and replace it with updated one d. start Fotopia capture IIS service and Fotopia Export windows service.

IV. FOTOPIA CAPTURE SCAN CLIENT

a. Install twain driver of the scanner to be used.

b. Download Fotopia Capture Scan Connector from link sent in the email:

> • Edit in Fotopia.Connector.Win.exe.config File under folder name Fotopia.ScanClient the following: In Key GateWay add real Gateway URL value. In Key "scanThroughDB" configure key value to be [0] to scan and send it through gateway and then to DB or make the value [1] to scan and send it directly to DB.

> • Edit in Fotopia.ScanClient.Worker.exe.config File under folder name Fotopia.ScanClient.Worker the following: In Key GateWay add real Gateway URL value.

you may need to install **Desktop Experience features** from **IIS Manager**.

Steps To install them:

1. Open server manager
2. Add roles and features, Click **Next.**
3. Then **Next** again**,** Features then expand **user interfaces and infrastructure**,
4. Then install **Desktop Experience**, then restart the service **FotopiaExport.**

------Finished ----