

# Step by step Windows installation and configuration of the eRez 5 server

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### Introduction

This small guide will lead you step by step through installation and initial configuration of the eRez 5 server.

### Step 1 – Install the eRez server

To download the eRez Imaging Server please go to <http://www.yawah.com/en/products/product-download>.

- Fill in the download form, and click on Continue.
- An e-mail with download instructions will be sent to you. Follow the instructions in the e-mail to download the eRez Server
- When you have downloaded `erez5xxwin_setup.exe` file, save it to your disk and run it. Follow the instructions in the installer. A typical installation will include all you need.

Congratulations you have just installed eRez 5. Before you start you will need to setup and configure your installation.

### Step 2 - Memory

By default the amount of memory allocated for the eRez server and other Java VM parameters is set to 192 Mb RAM memory from the start, with an upper limit of maximum 1024 Mb RAM usage. This is a good setup for a 32-bit Windows computer installed with 1 GB RAM memory.

However, if you have more memory installed on your computer you might want to change this if you have more than 1 GB memory installed.

As a rule of thumb, if your 32-bit Windows computer has more than 1 GB RAM available, then you should allocate 512 Mb initially and specify 1024 Mb as the upper limit. If you have 2 GB in the computer and primary purpose is to run eRez, then allocate 1 – 1.25 GB RAM.

#### ***Example: If you have 2 GB or more RAM available***

We suggest that you edit the ***eRez Server.exe.vmoptions*** file, to allocate more of memory for the standard Windows application:

- Open the ***[eRez 5 installation directory]\eRez Server.exe.vmoptions*** file in a text editor.
- Change the ***-Xms192M*** parameter to ***-Xms1024M***
- Change the ***-Xmx1024M*** parameter to ***-Xmx1280M***

You must also edit the ***service\erez-service.exe.vmoptions*** file to allocate memory for the eRez service.

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### ***If you run eRez on a 64-bit Windows system***

If you run eRez on a 64-bit windows system with *more than* 4 GB available RAM and wish to utilise this, please refer to this document [Installing the eRez Imaging Server x64 Windows files](#).

## Step 3 - Install eRez as a service

When you install eRez it is installed as a Windows application. However, to run as a service you can control from the "Services" control panel, you must install eRez as a service first.

→ Run the **[eRez 5 installation directory]\service\install.bat** file.

You can now use the "Services" control panel to start, stop and modify the service. eRez will also start automatically when you boot the computer.

## Step 4 - Make the eRez Server listen on port 80 instead of port 8080

By default the eRez is setup to listen on port 8080. The reason is that you may already have another web server (such as ISS) listening on port 80. There are two scenarios for running eRez – either as a stand alone system or integrate it with Microsoft Internet Information Server (IIS).

### ***Scenario 1: Use Tomcat/eRez as a standalone system***

If you plan to use Tomcat/eRez as a standalone system it is highly recommended that you change the port number to 80, because some of your client's firewalls may not allow http traffic on port 8080.

→ Open the file **[eRez 5 installation directory]\tomcat\conf\server.xml** in a text editor.

Replace the value "8080" for port with "80"

```
<Server port="8005" shutdown="SHUTDOWN">
  <Service name="Catalina">
    <Connector
      port="80"
      maxHttpHeaderSize="8192"
      maxThreads="150"
      minSpareThreads="25"
      maxSpareThreads="75"
      enableLookups="false"
      redirectPort="8443"
      acceptCount="100"
      connectionTimeout="20000"
      disableUploadTimeout="true"
      maxPostSize="0"
```

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```
URIEncoding="UTF-8"  
server="eRez Imaging Server"  
/>
```

Figure 1 server.xml value to change

- Restart the eRez Server

### **Scenario 2: Integrate eRez with Microsoft Internet Information Server (IIS)**

If you plan to use or are using IIS as your webserver it is necessary to integrate eRez with IIS. When you installed the eRez Imaging Server all the files necessary to integrate Tomcat with the IIS Web Services was also installed, and by default necessary registry-entries were created. To enable the integration between Tomcat and IIS running on the same system please refer to [eRez Imaging Server 5.0 and IIS Integration](#).

Note: Do not change to port 80 if you want eRez to be integrated with IIS.

## Step 5 - Configure eRez

To configure eRez you must use the Administration module:

- Open <http://localhost/erez/> in your browser (if you are using eRez on port 80)
- Select "Administer and Configure the Server"
- Login to the administration module of eRez with the login "admin" and the password "admin".

### **Step 5.1 – Change the administrator password**

In the eRez Management Console, Navigation Bar:

- Click on "Users"
- Click on "admin" in the List Pane
- Choose a new password for the admin user and save your changes.

### **Step 5.2 - Change "Public URL: \*"**

In the eRez Management Console, Navigation Bar:

- Click on "Servers"
- Click on "eRez Imaging Server" in the list pane.
- Change Public URL to either a fully qualified domain name or an IP number accessible by users on the internet. If you have made the eRez server listen on port 80 (please see "Step 4 - Make the eRez Server listen on port 80 instead of port 8080") – do not include the ": 8080" port reference in the URL.
- Save your changes

This URL is used when creating emails and building HTML page with the 'publish to web' functions. If the public URL is faulty the FSI viewer may even cease to work correctly in the

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eRez interface itself. The URL refers users to the correct web address they will use when accessing images on the eRez server.

### **Step 5.3 - Set up the SMTP server**

In the eRez Management Console, Navigation Bar:

- Click on "Servers"
- Click on "eRez Imaging Server" in the list pane.
- Uncheck "E-mail disabled"
- Specify the SMTP server, and if necessary SMTP username and password.
- Specify e-mail accounts like e-mail from, to, copy and administrator.
- Save your changes

### **Step 5.4 - Activate the eRez Server**

Without a license key the eRez server will run in demo mode and add watermarks to derived images.

If you have already purchased your eRez software, you have been given an *activation key*. Both keys are called Product Identification (PID) key and have the format of XXXX-XXXX-XXXX-XXXX. You must use the PID key to get your licence key.

In the eRez Management Console, Navigation Bar:

- Click on "Servers"
- Click on "eRez Imaging Server" in the list pane.
- Click on the "Show Server Licenses" icon.
- Click on the "Activate eRez PID" icon.
- Fill out the Activate YaWah.com Software Product form.  
NB: The Host Name or the Public IP number must match must match the Public URL you inserted in system settings (please see Step 5.2 - Change "Public URL: \*").
- Save your changes.

Alternatively you can activate the PID manually by following the URL <http://register.yawah.com>.

You will then receive the license key by email and must enter it manually using this procedure:

- Click on "Servers"
- Click on "eRez Imaging Server" in the list pane.
- Click on the "Show Server Licenses" icon.
- Click on the "Enter eRez/FSI Licenses" icon.
- Insert the eRez license code from the activation e-mail - including the starting <license> and the ending </license>.
- Save your changes.

### **Step 5.5 - Activate the FSI viewer**

By default the FSI viewer runs in demo mode, and a watermark with "Evaluation Copy" will appear in all derived images. You must obtain a Product Identification (PID) key from your eRez/FSI vendor to get rid of the watermark.

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In the eRez Management Console, Navigation Bar:

- Click on "Servers"
- Click on "eRez Imaging Server" in the list pane.
- Click on the "Show Server Licenses" icon.
- Click on the "Activate FSI PID" icon.
- Fill out the Activate FSI Software Product form.
- Save your changes.

Alternatively you can activate the PID manually by following the URL <http://register.fsi-viewer.com>. You will then receive the license key by email and must enter it manually using this procedure:

- Click on "Servers"
- Click on "eRez Imaging Server" in the list pane.
- Click on the "Show Server Licenses" icon.
- Click on the "Enter eRez/FSI Licenses" icon.
- Insert the FSI license code from the activation e-mail - including the starting <license> and the ending </license>.
- Save your changes.

### Step 5.6 - Install Ghostscript

In order to make tiff preview files of EPS, PDF and Adobe Illustrator documents you must install Ghostscript first. It is available in many versions, but can be downloaded i.e. from <http://www.ghostscript.com/>

- Download and install "Ghostscript"
- Open the file **[eRez 5 installation directory]\tomcat\webapps\erez\WEB-INF\plugins\ps\plugin.xml** in a text editor. The file "plugin.xml" contains information for use by the eRez Imaging Server as well as the settings for using Ghostscript and XPDF.
- To enable Ghostscript you must change the value for enabled to "true" and set "executable" to point to your Ghostscript application. Please figure XXX for further information about Ghostscript and configuring plug-ins, please see the documentation on "Configuring Plug-ins", which can be found under "Documentation" when you open eRez in your browser.

```
<ghostscript
  enabled="true"
  executable="C:\gs\gs8.63\bin\gswin32c.exe"
  timeout="300"
  >
  <parameter value="-r150"/>
  <parameter value="-dQUIET"/>
  <parameter value="-dSAFER"/>
  <parameter value="-dBATCH"/>
  <parameter value="-dNOPAUSE"/>
  <parameter value="-dNOPROMPT"/>
  <parameter value="-sDEVICE=tiff24nc"/>
  <parameter value="-dUseCIEColor"/>
```

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```
<parameter value="-dTextAlphaBits=4"/>
<parameter value="-dGraphicsAlphaBits=4"/>
<parameter value="-dEPSCrop"/>
</ghostscript>
```

Figure 2 Ghostscript values to change

### Step 5.7 - Logging

The standard configuration is logging to the console and to files located in the erez folder. This is ok when setting up the server and learning how to use it, but in a production environment one would normally turn off logging to the console.

In a production environment we recommend using the DAILY configurations.

- Open the file **[eRez 5 installation directory]\tomcat\webapps\erez\WEB-INF\classes\log4j.properties** in a text editor.
- Uncomment the line "log4j.rootLogger=FATAL, DAILY" by removing the "#" from the line.
- Comment the line "log4j.rootLogger=FATAL, CONSOLE, DAILY" by adding a "#" as the first character in that line.

```
# Setup root logger. See http://logging.apache.org/log4j/docs/index.html for
more information.
# Notice the first value is the default debugging level, in this case FATAL. The
following values are loggers, as configured below.

# Uncomment this for using only console logging (Do not use in server set up,
only in when runing the dobbble clickable applications)
#log4j.rootLogger=FATAL, CONSOLE

# Uncomment the following line to use a rolling log based on log file size.
(Recommended for normal server usage)
#log4j.rootLogger=FATAL, LOG

# Uncomment the following line to use a rolling log that rolls at midnight.
(Recommended for normal server usage)
log4j.rootLogger=FATAL, DAILY

# Comment the following line out and uncomment one of the two above for
normal server usage. (Recommended only for testning and learning)
#log4j.rootLogger=FATAL, CONSOLE, DAILY

...
```

Figure 3 log4j.properties