MediaRich ECM for SharePoint 2007
Manual Installation for Farm Deployment
And multiple Web Front Ends - Procedure
MR4SP Multi-WFE Install Procedure Addenda for v4.2.1

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Basic Information:
Our SharePoint Product has two individual components that work together to make our solution possible. Please download and install the latest version of “Installer for MediaRich ECM for SharePoint Connector” and the “Installer for Windows Server” located under the MediaRich ECM For SharePoint section on the page mentioned below.

Files Needed:
Please download the latest versions from the Equilibrium website located here: (http://www.equilibrium.com/dlmr/)
New Major Changes from Previous Releases:

- The new Connector no longer has to be installed on all Web-App Servers in the farm. Now it only gets installed on your Central Admin Servers. It is then deployed with the Central Admin Solutions Management GUI like any other solution deployment.
- Our software can only be managed from a Central Administration server that has both Central Admin & Web-App roles enabled. This in turn allows our MediaRich Web-Application Administration page to be hosted.

Troubleshooting:
If you’re experience any issues during the installation procedures below please look in the trouble shooting section at the end of this document. You will see a (**TS**) next to areas where you may experience issues.

Installing *MediaRich ECM For SharePoint for the 1st time On Your SharePoint Environment* (Clean Install)

*Installation Procedures 1: Installing MediaRich Server: (Clean Install)*


*MediaRich Server must be installed and running with a SharePoint enabled License key before proceeding with the install.*
Installation Procedures 1: Installing MediaRich ECM For SharePoint Connector: (Clean Install)

1. Download and unzip the MediaRich SharePoint Connector onto your Central Admin server
2. Run the MediaRichSPSConnector.exe
3. Continue with the installer by clicking on the Next button
4. When you get to the “Solution Deployment Option” Message box choose the appropriate option for your deployment.
   a. For single server installs for testing purposes choose “Yes.” This will add our solution file (MediaRichForSharepoint.wsp) to the SharePoint Solution store and then deploy the solution to all Web-Apps on your single server.
   b. For a SharePoint Farm deployment that has multiple servers then choose “No.” This will finish the installation at this point. Please continue on to the next step.

![Solution Deployment Option](image)
Installation Procedures 1: Installing MediaRich Server: Adding the Solution (Clean Install)

Now we are going to add our solution to the SharePoint solution store in the configuration database.

1. Open up a Command line Window and point it to where the STSADM.exe lives.
SharePoint 2007:
[ cd "C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\BIN" ]
2. Add this line next and hit enter:

```bash
stsadm -o addsolution -filename "C:\Program Files (x86)\Equilibrium\SharePointConnector\MediaRichForSharepoint.wsp"
```

```
Operation completed successfully.
```
3. Open up the Central Admin Page, then go to "Operations-->Global Configuration-->Solution management" in your web browser.
4. Now under “Deploy Solution” we then select the Web-App from the drop-down as our 1st deployment. Once that has been deployed successfully we can move to the next step.
Deploy Solution

Use this page to deploy the solution.

**Solution Information**

<table>
<thead>
<tr>
<th>Information on the solution you have chosen to deploy.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name: mediarchforsharepoint.wsp</td>
</tr>
<tr>
<td>Locale: 0</td>
</tr>
<tr>
<td>Deployed To: None</td>
</tr>
<tr>
<td>Deployment Status:</td>
</tr>
</tbody>
</table>

**Deploy When?**

A timer job is created to deploy this solution. Please specify the time at which you want this solution to be deployed.

- [ ] Now
- [ ] At a specified time:

  - 1/31/2011
  - 3 PM
  - 00

**Deploy To?**

The solution contains Web application scoped resources and should be deployed to specific Web applications. Please choose the Web application where you want the solution to be deployed.

Choose a Web application to deploy this solution:

http://issp07w3r2xca/

Warning: Deploying this solution will place assemblies in the global assembly cache. This will grant the solution assemblies full trust. Do not proceed unless you trust the solution provider.
The Timer Job should complete without any errors.

<table>
<thead>
<tr>
<th>Job Title</th>
<th>Server</th>
<th>Status</th>
<th>Progress</th>
<th>Started</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows SharePoint Services Solution Deployment for &quot;mediarichforsharepoint.wsp&quot;</td>
<td>SSF07W3R2VCA</td>
<td>Initialized</td>
<td>0%</td>
<td>1/12/2011 6:27 PM</td>
</tr>
<tr>
<td>Windows SharePoint Services Solution Deployment for &quot;mediarichforsharepoint.wsp&quot;</td>
<td>SSF07W3R2WF1</td>
<td>Initialized</td>
<td>0%</td>
<td>1/12/2011 6:27 PM</td>
</tr>
<tr>
<td>Windows SharePoint Services Solution Deployment for &quot;mediarichforsharepoint.wsp&quot;</td>
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<td>Initialized</td>
<td>0%</td>
<td>1/12/2011 6:27 PM</td>
</tr>
<tr>
<td>Windows SharePoint Services Solution Deployment for &quot;mediarichforsharepoint.wsp&quot;</td>
<td>SSF07W3R2WF3</td>
<td>Initialized</td>
<td>0%</td>
<td>1/12/2011 6:27 PM</td>
</tr>
<tr>
<td>Windows SharePoint Services Solution Deployment for &quot;mediarichforsharepoint.wsp&quot;</td>
<td>SSF07W3R2WF4</td>
<td>Initialized</td>
<td>0%</td>
<td>1/12/2011 6:27 PM</td>
</tr>
<tr>
<td>Windows SharePoint Services Solution Deployment for &quot;mediarichforsharepoint.wsp&quot;</td>
<td>SSF07W3R2WF5</td>
<td>Initialized</td>
<td>0%</td>
<td>1/12/2011 6:27 PM</td>
</tr>
<tr>
<td>Windows SharePoint Services Solution Deployment for &quot;mediarichforsharepoint.wsp&quot;</td>
<td>SSF07W3R2WF6</td>
<td>Initialized</td>
<td>0%</td>
<td>1/12/2011 6:27 PM</td>
</tr>
<tr>
<td>Synchronization Scheduler</td>
<td>ISS07W3R2VCA</td>
<td>Succeeded</td>
<td>100%</td>
<td>1/12/2011 6:15 PM</td>
</tr>
<tr>
<td>Synchronization Scheduler</td>
<td>ISS07W3R2WF1</td>
<td>Succeeded</td>
<td>100%</td>
<td>1/8/2011 10:15 PM</td>
</tr>
<tr>
<td>Office SharePoint Usage Analytics Processing</td>
<td>ISS07W3R2VCA</td>
<td>Succeeded</td>
<td>100%</td>
<td>1/12/2011 6:15 PM</td>
</tr>
<tr>
<td>Office SharePoint Usage Analytics Processing</td>
<td>ISS07W3R2WF1</td>
<td>Succeeded</td>
<td>100%</td>
<td>1/11/2011 4:30 PM</td>
</tr>
</tbody>
</table>
5. You should see a page like this saying that your solution has been deployed.

![Solution Properties](image)

<table>
<thead>
<tr>
<th>Name:</th>
<th>mediaenhforsharepoint.wsp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Core Solution</td>
</tr>
<tr>
<td>Contains Web Application Resource:</td>
<td>Yes</td>
</tr>
<tr>
<td>Contains Global Assembly:</td>
<td>Yes</td>
</tr>
<tr>
<td>Contains Code Access Security Policy:</td>
<td>No</td>
</tr>
<tr>
<td>Deployment Server Type:</td>
<td>Front-end Web server</td>
</tr>
<tr>
<td>Deployment Status:</td>
<td>Deployed</td>
</tr>
<tr>
<td>Deployed To:</td>
<td><a href="http://fsp07w3r2x00a2f">http://fsp07w3r2x00a2f</a>: <a href="http://fsp07w3r2x00a2f:2007/">http://fsp07w3r2x00a2f:2007/</a></td>
</tr>
<tr>
<td>Last Operation Result:</td>
<td>The solution was successfully deployed.</td>
</tr>
<tr>
<td>Last Operation Details:</td>
<td><a href="http://fsp07w3r2x00a2f">http://fsp07w3r2x00a2f</a> : The solution was successfully deployed.</td>
</tr>
<tr>
<td></td>
<td><a href="http://fsp07w3r2x00a2f">http://fsp07w3r2x00a2f</a> : The solution was successfully deployed.</td>
</tr>
<tr>
<td></td>
<td><a href="http://fsp07w3r2x00a2f">http://fsp07w3r2x00a2f</a> : The solution was successfully deployed.</td>
</tr>
<tr>
<td></td>
<td><a href="http://fsp07w3r2x00a2f">http://fsp07w3r2x00a2f</a> : The solution was successfully deployed.</td>
</tr>
<tr>
<td></td>
<td><a href="http://fsp07w3r2x00a2f">http://fsp07w3r2x00a2f</a> : The solution was successfully deployed.</td>
</tr>
<tr>
<td></td>
<td><a href="http://fsp07w3r2x00a2f">http://fsp07w3r2x00a2f</a> : The solution was successfully deployed.</td>
</tr>
<tr>
<td>Last Operation Time:</td>
<td>1/12/2011 11:18 PM</td>
</tr>
</tbody>
</table>

(**TS**)  
Tip: wait a few 30-60 seconds after the solutions say deployed before proceeding on to the next step.
6. Once the solution has been deployed to the desired Web-App, it’s time to install the initial MediaRich Global Site* on your selected Web-App. Choose the Web-App that you intend to add our functionality too. For our example here, we are installing on the SharePoint-80 Web-App. This is where I want to install our solution, because I would like to host my Media Assets from this Web-App. Our Solution is deployed to here adding our MediaRich Image Workspace site & MediaRich Document Library Templates. You also get our MediaRich Image Browser and MediaRich Batch web parts, & our Content Type (used for the Instant-On).

You can find the MediaRich Administration page here: [http://CentralAdmin:[port]/_admin/MediaRichAdmin/](http://CentralAdmin:[port]/_admin/MediaRichAdmin/)

<table>
<thead>
<tr>
<th>Web Application</th>
<th>MediaRich Installed</th>
<th>Action</th>
<th>Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>My-Sites - 8082</td>
<td>No</td>
<td>install</td>
<td></td>
</tr>
<tr>
<td>SharePoint Portal-80</td>
<td>No</td>
<td>install</td>
<td></td>
</tr>
<tr>
<td>SSP1 - 8081</td>
<td>No</td>
<td>install</td>
<td></td>
</tr>
</tbody>
</table>

*The MediaRich Global Site is the default location for all Sites. The MediaRich Global Site is located here (/sites/MediaRich/) under the selected Web-App. Our Global MediaRich Sites is an additional site collection distinct from the original site collection that was created when the Web-App was provisioned during your SharePoint install. This is where we put the necessary components that make our solution work.

**Note:** This site should never be deleted except when trouble shooting or otherwise directed to by a support specialist.

**This site contains the following:**
- MediaRich Welcome site
- MediaRich Admin Properties (sub-site)
- MediaRich Media Cart (sub-site)
- The MR4SP Ingest Queue (This is what allows our new “Instant-On” feature to work.)
We recommend that after you install the MediaRich Global Site you should also install MediaRich on your root site collection on the same Web-App. This will install a new MediaRich Admin Properties sub-site and a new MediaRich MediaCart sub-site under the site collection. These new sub-sites are now the default sites for the parent site collection.

7. Now, it’s time to install the initial MediaRich Global Site on your selected Web-App.
8. This is the Default Global Admin Properties page that will be the default Site. You may also choose to go back to the MediaRich Web-Application Administration list and install it on additional Site Collections on this particular Web-App. If you plan on installing MediaRich on multiple Web-Apps please see the section on multiple Web-App configuration.
Now, please create a new “MediaRich Image Workspace” either as a site collection or under an already existing site collection to start using MediaRich ECM for SharePoint.

Installation Procedures 2: (Upgrade Install)

Uninstall Procedures for Both MediaRich Server and MediaRich ECM For SharePoint Connector:

1. Download the latest MediaRich Server under the MediaRich ECM For SharePoint section from our website and upgrade your existing MediaRich Server software before upgrading your MediaRich ECM For SharePoint Connector.
2. Download the latest MediaRich ECM For SharePoint Connector onto your Central Admin server.
3. Please retract the solution from all Web-Apps in your SharePoint Farm from within the Solution Management in the Central Admin.
4. Remove our solution from the SharePoint solution store.
5. Go to Add/Remove Programs on your CA server 1st and uninstall the MediaRich SharePoint Connector, then from any other farm servers that have the Connector installed.
6. Done
Installation Procedures 2: Installing MediaRich ECM For SharePoint Connector: (Upgrade)

1. Run the MediaRichSPSCConnector.exe
2. Continue with the installer by clicking on the Next button
3. When you get to the “Solution Deployment Option” Message box choose the appropriate option for your deployment.
   a. For single server installs for testing purposes choose “Yes.” This will add our solution file (MediaRichForSharepoint.wsp) to the SharePoint Solution store and then deploy the solution to all Web-Apps on your single server.
   b. For a SharePoint Farm deployment that has multiple servers then choose “No.” This will finish the installation at this point. Please continue on to the next step.
4. Follow the Clean install procedures to the end.
5. After you have it installed it successfully please run the DocLibeWalker.exe –Upgrade and then “DocLibeWalker.exe –Update.” This can be found in (C:\Program Files (x86)\Equilibrium\SharePointConnector on a 64 bit server and in “C:\Program Files\Equilibrium\SharePointConnector” on a 32 but server)
6. After these finish try to upload a file and see if it works.

Installation Procedures 3: Enabling Cross Web-Apps To Be Used

If you are considering installing MediaRich on multiple Web-Apps then you will have to do some modifications to the database to add the Web-App user to the content database for the web-app with the ingest queue. To allow Media Assets to be added to our Ingest Queue you have to grant access for the user that the Web-Applications uses. This will allow you want to work with our MediaRich Global Site Root directory and its Database

Requirements for this User following the Microsoft Guidance:

- Domain user account
- Member of the Administrators group on each server on which Setup is run.
- Member of the Farm administrators Group (Suggestion EQ)
• SQL Server login on the computer running SQL Server.
• Member of the following SQL Server security roles:
  • securityadmin fixed server role
  • dbcreator fixed server role

Since we run Stsadm commands that affect a database, this account must be a member of the dbowner fixed database role for the database. (The involved Databases)

1. Open the SQL Management Studio
3. Open User
4. Add the Application Pool Account of your Home Page to the Database User
Trouble Shooting:

Q: After a successful install the thumbnails still are not showing up for me, what should I do to make it work?
A: SharePoint is a complex platform, multiple factors could contribute to such a condition, but if you were able to complete the install without any issues up till this point see if one of these solutions works for you.
(Please always 1st look in your SharePoint Log folder in your SharePoint Hive folder “C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\LOGS” for our folder “MR4SP” then look at the ”MR4SP.log” for any issues that you may be experiencing.)

Q: What is "Instant-On" and how does it work?
A: "Instant-On" allows you to turn on our visualization (thumbnails, zoom and pan, metadata) for any regular SharePoint Document Library. The Ingest happens when a users with -- Designer -- or above privileges enables this feature from within the Library Settings.

Q: When installing the Initial Global MediaRich Site on my Web-App after a successful Solution Deployment, I get an error preventing me from continuing.
ERROR:::::::
MediaRich TopLevelAdminSite installation failed: "File or arguments not valid for site template 'MEDIARICH#7'."

A: Try these solutions:
1) Run iisreset /noforce and try installing the MediaRich Global Site again.
2) Try to retract the solution from the Web-App and Deploy it again to that same web-app.
Q: How can I Force the Deployment of our solution if it errors out:

A: To Force the Deployment of our solution if it errors out:
stadm -o deploysolution -name MediaRichForSharepoint.wsp -url http://[Web-App Url]/ -immediate -allowgacdeployment -force

Q: How can I remotely Start/Stop IIS-6 or the SharePoint 2007 Timer Service?

A: To Remotely Start and Stop Services you can use these commands:
Tip: Wait a 20+ seconds plus to be sure the service shutdown completely.

sc \computer stop "w3svc"
sc \computer start "w3svc"

sc \computer stop "SPTimerV3"
sc \computer start "SPTimerV3"

If you have any other support issues then please send an email to support@equilibrium.com. Remember, if you have a support case already open then just reply to the email.

Thanks,
Equilibrium Support Team