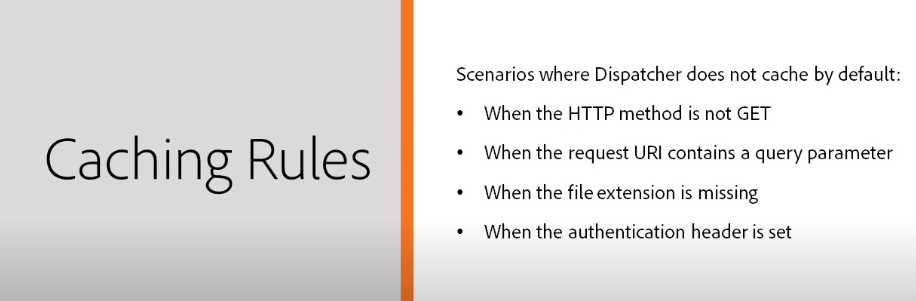
Configuring Experience Manager Dispatcher

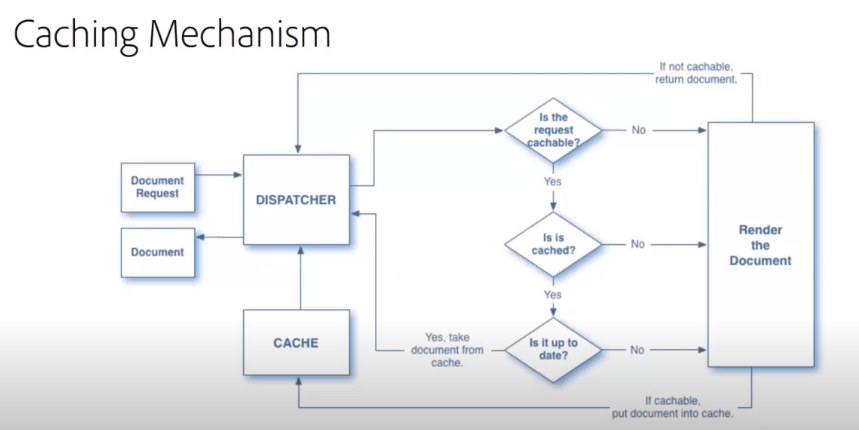
Web-server module mainly used for caching and load-balancing.

Can be configured based on the text-based configuration file.

This file contains simple pattern-based filter rules for access control.



**How AEM dispatcher caching mechanism works?**



1. Dispatcher would receive the document/page request and it would try to validate it whether its cacheable or not.
2. That is Dispatcher will verify if this is a GET request, with proper extension and query parameters and no authorization information appended to it.
3. If this criteria is fulfilled, then dispatcher would check if the request document/page is already cached in the dispatcher cache directory.
4. If it is present, then dispatcher will check if the cached version is up-to-date or not (i.e. if the cached version is in sync with changes made at the AEM instance level).
5. If the cached copy is up-to-date then dispatcher will serve it from its cache.
6. If the cached version is out of date or the requested document or page is not cache, dispatcher will request it from AEM instance and store a copy of it in its cache and finally send it to the end user.
7. If the request if un-cacheable, then dispatcher will directly fetch it from AEM instance server and serve it to the end user.

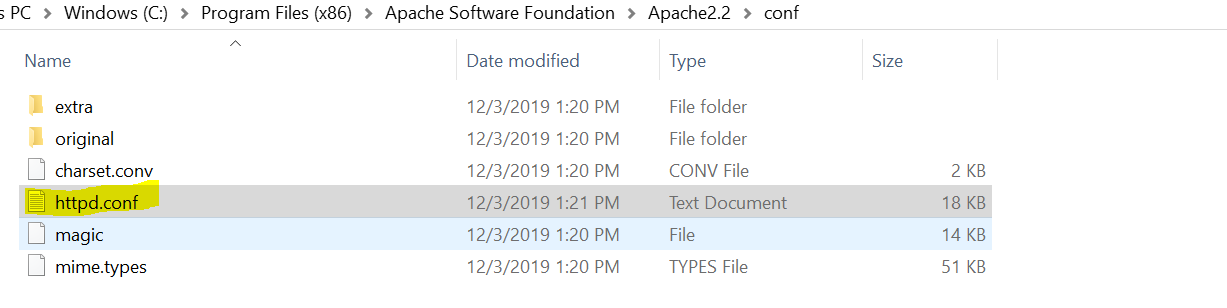
**Installing Apache Web Server**

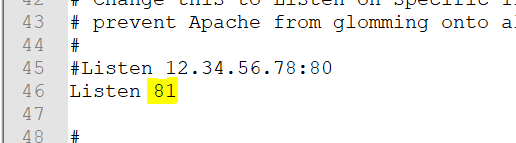
* Go to the following URL and search for “httpd-2.2.22-win32-x86-no\_ssl.msi”.

[https://archive.apache.org/dist/httpd/binaries/win32/](https://www.youtube.com/redirect?event=comments&stzid=UgzuaCoibKh0FtUBMOp4AaABAg.8dXVdYSlVK28def0fmsg8g&redir_token=6j5n9mn88wOVv673Vk7elaKv8W98MTU3NTQ0NjQyOUAxNTc1MzYwMDI5&q=https%3A%2F%2Farchive.apache.org%2Fdist%2Fhttpd%2Fbinaries%2Fwin32%2F)

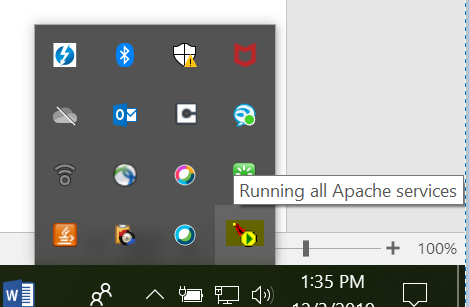
* Download the file with extension .msi (Don’t’ need to download the other files)
* Double click the msi file that was downloaded to start the installation.
* You might see an error stating the port 80 is already in use. To resolve this, go to the installation directory and change the port value to 81 in httpd.conf file(port number can be changed) and start the server again.

C:\Program Files (x86)\Apache Software Foundation\Apache2.2\conf

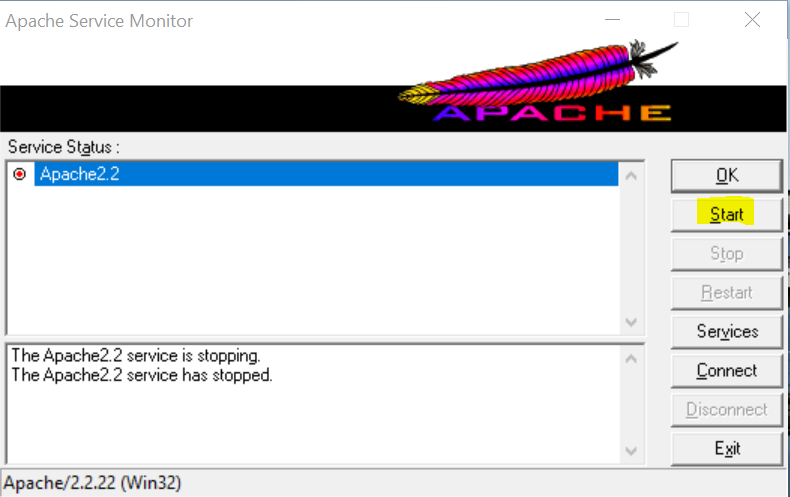




To start the server after changing the port number, go to toolbar and click on the apache server icon that will already be there post apache server installation.



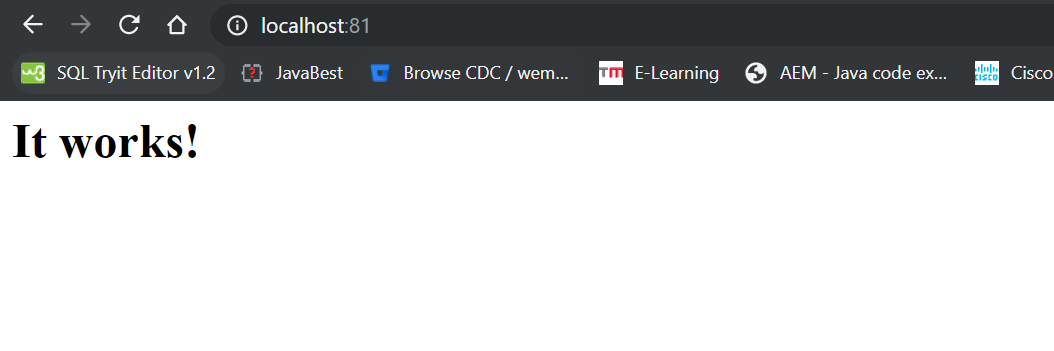
Click on the start button to start the server.



To check if the server is up and running, we can go to the following URL and verify.

<http://localhost:81/>

If the server is up and running, we see the screen like mentioned below else the blank screen.



**Note:** We are accessing the web server on port number 81, as we have changed the port number to resolve the conflict issue.

\*\*\* IIS server will be running on port number 80 by default.

**Configure Dispatcher on Apache**

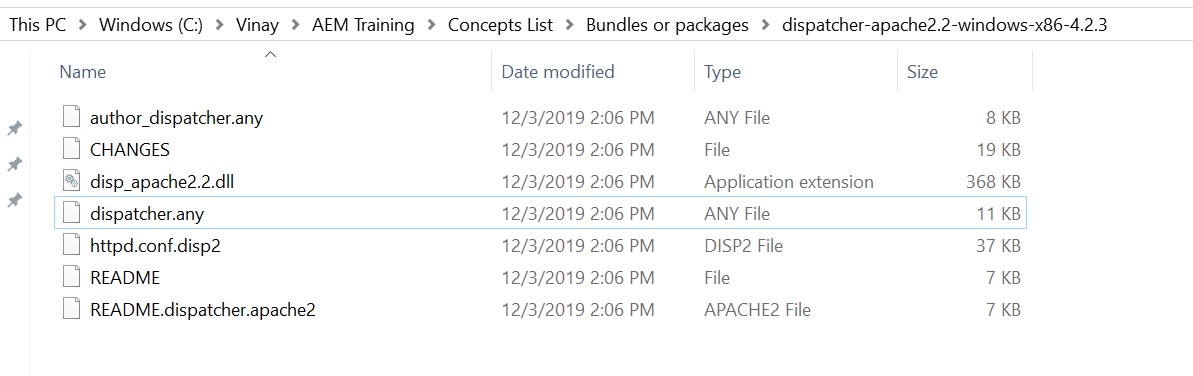
1. Download and Extract Dispatcher Build
2. Modify Apache’s httpd.conf
3. Modify dispatcher.any
4. Restart Apache

* **Download and Extract Dispatcher Build**
  + Go to the following URL and download the required dispatcher build

<https://www.adobeaemcloud.com/content/companies/public/adobe/dispatcher/dispatcher.html>



* + Extract the file after downloading, where we see the list of sample files.



**Disp\_apache2.2.dll** – It is the dispatcher module file, which will be plugged into the apache web server

**dispatcher**.**any –** This is the dispatcher configuration file.

**http**.**conf.disp2 –** Sample configuration file which allows us to configure the apache server.