1) Go to the below url and download the file "httpd-2.2.25-win32-x86-no_ssl.msi "
   http://archive.apache.org/dist/httpd/binaries/win32/
2) Download the "dispatcher-apache2.2-windows-x86-4.1.11" dispatcher module from the below url.
   https://www.adobeaemcloud.com/content/companies/public/adobe/dispatcher/dispatcher.html
3) Install the downloaded .msi file.
4) Extract the dispatcher module zip file into some location and keep it.
5) Now copy disp_apache2.2.dll to apache modules folder (eg. C:\Program Files\Apache Software Foundation\Apache2.2\modules)
6) Open apache httpd.conf file (eg. C:\Program Files\Apache Software Foundation\Apache2.2\conf\httpd.conf) and add the following line to include dispatcher configuration (added in next steps)

   Include conf/dispatcher.conf

```
#LoadModule userdir_module modules/mod_userdir.so
#LoadModule usertrack_module modules/mod_usertrack.so
#LoadModule version_module modules/mod_version.so
#LoadModule vhost_alias_module modules/mod_vhost_alias.so

Include conf/dispatcher.conf

<IfModule !mpm_netware_module>
<IfModule !mpm_winnt_module>
#
# If you wish httpd to run as a different user or group, you must run
# httpd as root initially and it will switch.
#
# User/Group: The name (or #number) of the user/group to run httpd as.
# It is usually good practice to create a dedicated user and group for
# running httpd, as with most system services.
```

7) Create file dispatcher.conf in conf folder (eg. C:\Program Files\Apache Software Foundation\Apache2.2\conf\dispatcher.conf) and add the following configuration.

LoadModule dispatcher_module modules\disp_apache2.2.dll

<IfModule disp_apache2.c>
  DispatcherConfig conf/dispatcher.any
  DispatcherLog   logs/dispatcher.log
  DispatcherLogLevel 3
  DispatcherNoServerHeader 0
  DispatcherDeclineRoot 0
  DispatcherUseProcessedURL 0
  DispatcherPassError 0
</IfModule>

<Directory />

```
<IfModule disp_apache2.c>
 SetHandler dispatcher-handler
 ModMimeUsePathInfo On
</IfModule>

 Options FollowSymLinks
 AllowOverride None
</Directory>
```

Note : #1 loads the dispatcher module, #4 specifies the dispatcher rules file (created in next step)

8) Create file dispatcher.any in conf folder (eg. C:\Program Files\Apache Software Foundation\Apache2.2\conf\dispatcher.any) with the following configuration

```
/farms {
/geometrixx-outdoors {
 /clientheaders {
  "*"

 }
 /virtualhosts {
  "*"

 }
 /renders {
  /rend01 {
   /hostname "127.0.0.1"
   /port "4503"
  }
 }
 /filter {
  /0001 {
   /type "deny" /glob "*"
  }
  /0002 {
   /type "allow" /url "/content*"
  }
  /0003 {
   /type "allow" /url "/etc/designs*"
  }
  /0004 {
   /type "allow" /url "/etc/clientlibs*"
  }
 }
 /cache {
  /docroot "C:/dev/code/install/Apache2.2/dispatcher/cache"
  /rules {
   /0000 {
    /glob "*"
    /type "allow"
   }
  }
```

```
                    }
                  }
                }
```

Note : #2 is name of farm which could be any, #10 render is the publish instance serving pages to be cached (1:1 dispatcher to publish mapping recommended). #17 first denies access to every resource and making exceptions at #20 to allow resources under /content, #23 for allowing site css, #26 for js files, minimally needed for typical websites. #30 specifies the cache folder where static content generated from publish servers is cached for any future requests until any cached content is invalidated (next sections). Rule at #32 directs dispatcher to cache all content. For more indepth dispatcher configuration check adobe documentation

9) With the above configuration in place, restart apache server, open a new browser instance and access the sample page on dispatcher running on default port 80 – http://localhost/content/geometrixx-outdoors/en.html (Note You have to run the AEM publish instance)
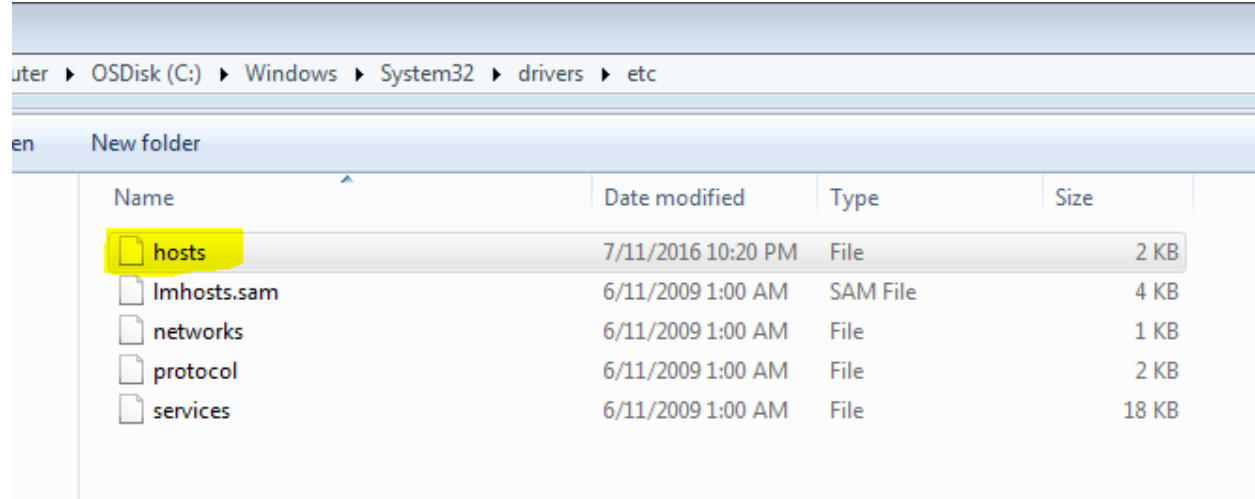
10) The following statements should haven be logged in logs/dispatcher.log (Create a dispatcher.log file under logs folder Ex: C:\Program Files\Apache Software Foundation\Apache2.2\logs) and also you can change the logs location at the "*DispatcherLog   logs/dispatcher.log*" at the dispatcher.conf file.

For reference :
http://experience-aem.blogspot.in/2015/03/aem-6-sp2-simple-dispatcher-configuration.html

Change the settings in the hosts file as below shown screenshot.

uter ▸ OSDisk (C:) ▸ Windows ▸ System32 ▸ drivers ▸ etc				
en New folder				
Name		Date modified	Type	Size
hosts		7/11/2016 10:20 PM	File	2 KB
lmhosts.sam		6/11/2009 1:00 AM	SAM File	4 KB
networks		6/11/2009 1:00 AM	File	1 KB
protocol		6/11/2009 1:00 AM	File	2 KB
services		6/11/2009 1:00 AM	File	18 KB

Add entries of your like name as the domain names as shown below example.

```
# Copyright (c) 1993-2009 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
#
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
#
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#
#      102.54.94.97     rhino.acme.com          # source server
#       38.25.63.10     x.acme.com              # x client host

# localhost name resolution is handled within DNS itself.
#    127.0.0.1          localhost
#    ::1                localhost
127.0.0.1       vardhan
127.0.0.1       vardhanlocal.86
127.0.0.1       www.vardhanlocal.86
127.0.0.1       vardhanlocal.96
127.0.0.1       www.vardhanlocal.96
127.0.0.1       vardhanlocal.com
127.0.0.1       www.vardhanlocal.com
127.0.0.1       localhost
```
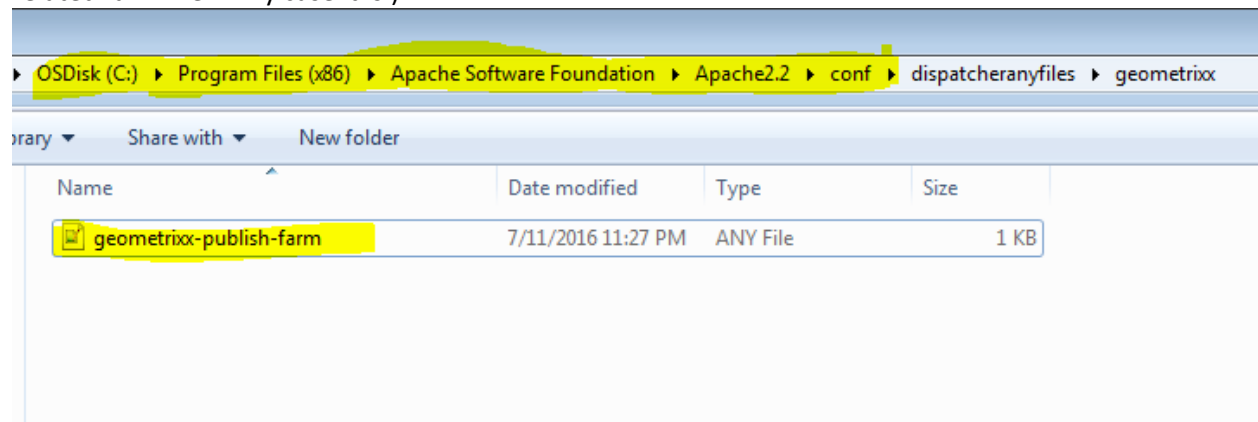
Access the project via the domain name as shown in the below screenshot. Your pages should be render as below.
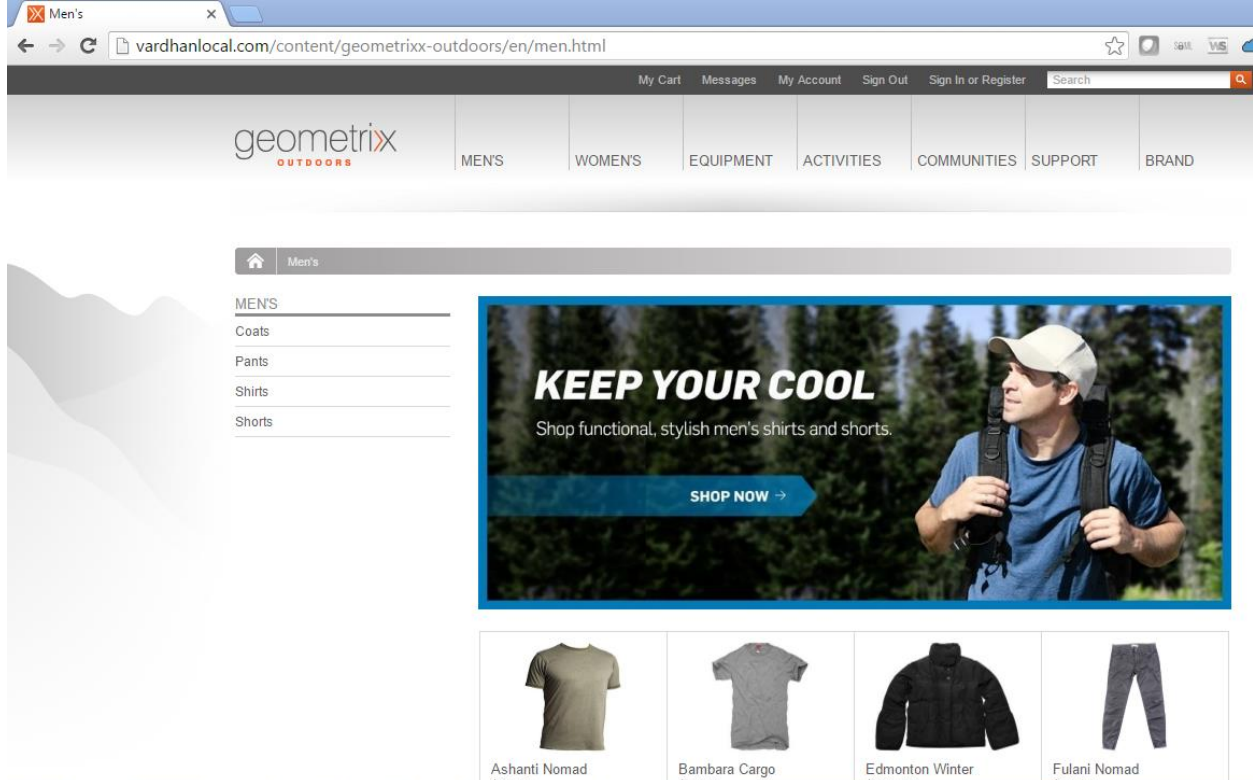
Map the domain name with local dispatcher
Open the dispatcher.any file (if you have separated the farms related to module open the specific site related farm file in my case it is)

Make sure your virtualhost allows your domain name in the below screenshot "*" represents to allow all hosts.

```
geometrixx-publish-farm.any ☒
 1    /geometrixx-outdoors {
 2      /clientheaders {
 3       "*"
 4      }
 5      /virtualhosts {
 6       "*"
 7      }
 8      /renders {
 9       /rend01 {
10         /hostname "127.0.0.1"
11         /port "4503"
12       }
13      }
14      /filter {
15       /0001 {
16         /type "deny" /glob "*"
17       }
18       /0002 {
19         /type "allow" /url "/content*"
20       }
21       /0003 {
22         /type "allow" /url "/etc/designs*"
23       }
24       /0004 {
25         /type "allow" /url "/etc/clientlibs*"
26       }
27      }
28      /cache {
29       /docroot "D:\localdispatchercache"
30       /rules {
31         /0000 {
32          /glob "*"
33          /type "allow"
34         }
35       }
36      }
37    }
```

Else if you want to allow only the specific domain names specify as shown below.
Once you access via the domain name it will create a cache also

Other domain names will not work as the virtualhost allows only specific domain name

Not Found

The requested URL /content/geometrixx-outdoors/en/men.html was not found on this server.

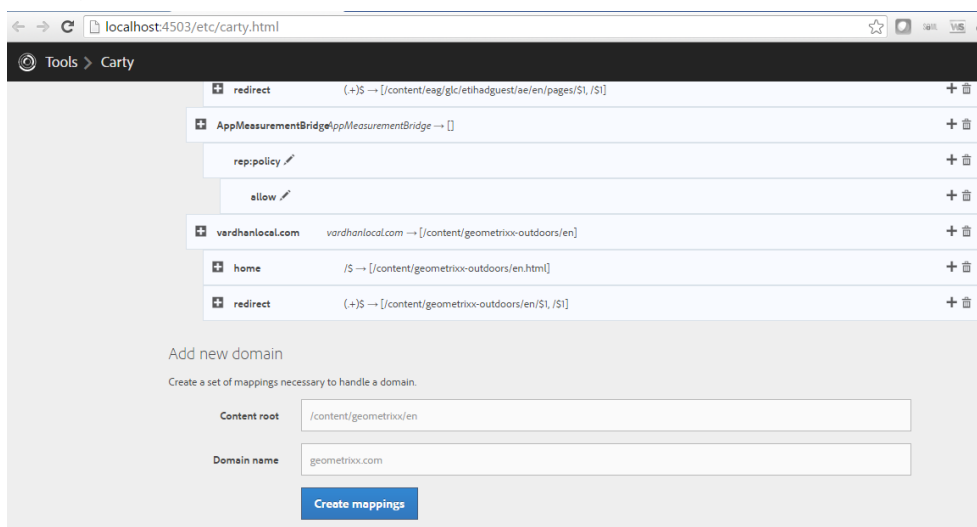If we allow virtual host to all (i.e. *) then both the domains will work as shown below.
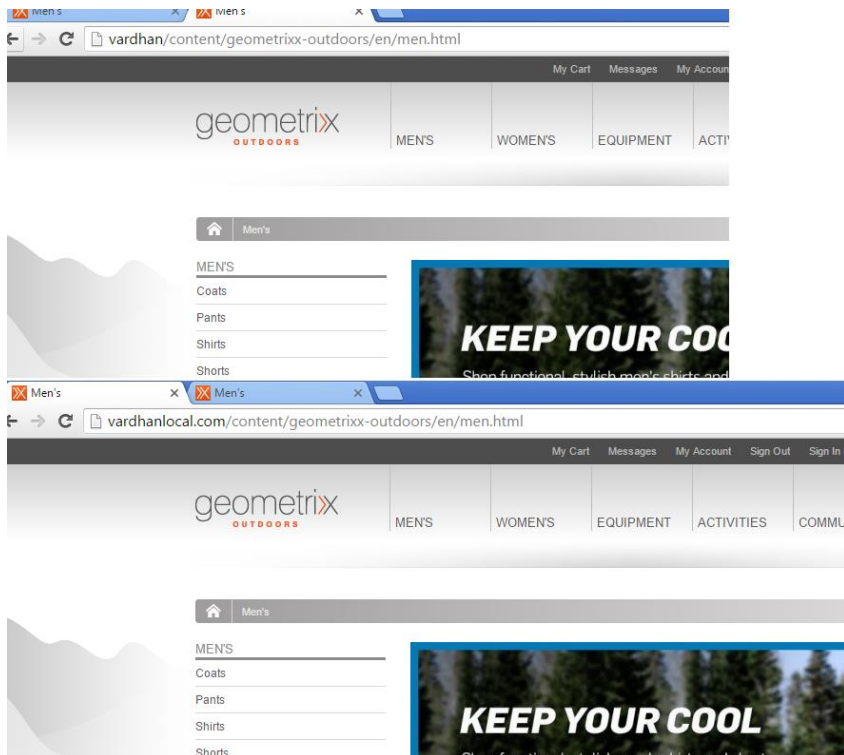
ETC maps nodes screenshot as below you can use a third party developed plugin like below to generate a etc maps
http://cognifide.github.io/Carty/
attached the zip file here you can install in your AEM instance and generate the maps (generated maps sometimes might be wrong verify once according to the screenshots of etc/maps)

carty-1.0-SNAPSHOT.zip

linkchecker
map
  http
    AppMeasurementBridge
    vardhanlocal.com
      home
      redirect
    vardhanlocalglc.com
map.stage.publish
mobile
msm
notification
ocs
packages

Properties	Access Control	Replication	Console	

	Name ▲	Type	Value
1	jcr:created	Date	2016-07-12T12:37:23.911+04:00
2	jcr:createdBy	String	admin
3	jcr:primaryType	Name	sling:Mapping
4	sling:internalRedirect	String[]	/content/geometrixx-outdoors/en

linkchecker
map
  http
    AppMeasurementBridge
    vardhanlocal.com
      home
      redirect
    vardhanlocalglc.com
map.stage.publish
mobile
msm
notification
ocs
packages
portal

Properties	Access Control	Replication	Console	Buil

	Name ▲	Type	Value
1	jcr:created	Date	2016-07-12T12:37:23.923+04:00
2	jcr:createdBy	String	admin
3	jcr:primaryType	Name	sling:Mapping
4	sling:internalRedirect	String[]	/content/geometrixx-outdoors/en.html
5	sling:match	String	/$

map
  http
    AppMeasurementBridge
    vardhanlocal.com
      home
      redirect
    vardhanlocalglc.com
map.stage.publish
mobile
msm
notification
ocs
packages

Properties	Access Control	Replication	Console	Build

	Name ▲	Type	Value
1	jcr:created	Date	2016-07-12T12:37:23.977+04:00
2	jcr:createdBy	String	admin
3	jcr:primaryType	Name	sling:Mapping
4	sling:internalRedirect	String[]	/content/geometrixx-outdoors/en/$1, /$1
5	sling:match	String	(.+)$

Add a virtual host entries in your dispatcher.any file or in a separate virtualhost file.
In my case I have added them in a separate file. And enabled the file include in the httpd.conf file. Also enable the rewrite module else virtualhost file enrty rewrite will not work.

```
101    #LoadModule info_module modules/mod_info.so
102    LoadModule isapi_module modules/mod_isapi.so
103    #LoadModule ldap_module modules/mod_ldap.so
104    #LoadModule logio_module modules/mod_logio.so
105    LoadModule log_config_module modules/mod_log_config.so
106    #LoadModule log_forensic_module modules/mod_log_forensic.so
107    #LoadModule mem_cache_module modules/mod_mem_cache.so
108    LoadModule mime_module modules/mod_mime.so
109    #LoadModule mime_magic_module modules/mod_mime_magic.so
110    LoadModule negotiation_module modules/mod_negotiation.so
111    #LoadModule proxy_module modules/mod_proxy.so
112    #LoadModule proxy_ajp_module modules/mod_proxy_ajp.so
113    #LoadModule proxy_balancer_module modules/mod_proxy_balancer.so
114    #LoadModule proxy_connect_module modules/mod_proxy_connect.so
115    #LoadModule proxy_ftp_module modules/mod_proxy_ftp.so
116    #LoadModule proxy_http_module modules/mod_proxy_http.so
117    #LoadModule proxy_scgi_module modules/mod_proxy_scgi.so
118    #LoadModule reqtimeout_module modules/mod_reqtimeout.so
119    LoadModule rewrite_module modules/mod_rewrite.so
120    LoadModule setenvif_module modules/mod_setenvif.so
121    #LoadModule speling_module modules/mod_speling.so
122    #LoadModule ssl_module modules/mod_ssl.so
123    #LoadModule status_module modules/mod_status.so
```

```
455    #Include conf/extra/httpd-mpm.conf
456
457    # Multi-language error messages
458    #Include conf/extra/httpd-multilang-errordoc.conf
459
460    # Fancy directory listings
461    #Include conf/extra/httpd-autoindex.conf
462
463    # Language settings
464    #Include conf/extra/httpd-languages.conf
465
466    # User home directories
467    #Include conf/extra/httpd-userdir.conf
468
469    # Real-time info on requests and configuration
470    #Include conf/extra/httpd-info.conf
471
472    # Virtual hosts
473    Include conf/extra/httpd-vhosts.conf
474
475    # Local access to the Apache HTTP Server Manual
476    #Include conf/extra/httpd-manual.conf
477
478    # Distributed authoring and versioning (WebDAV)
479    #Include conf/extra/httpd-dav.conf
480
481    # Various default settings
482    #Include conf/extra/httpd-default.conf
483
484    # Secure (SSL/TLS) connections
```

OSDisk (C:) ▶ Program Files (x86) ▶ Apache Software Foundation ▶ Apache2.2 ▶ conf ▶ extra

New folder

Name	Date modified	Type	Size
httpd-autoindex	2/11/2016 5:00 PM	CONF File	3 KB
httpd-dav	2/11/2016 5:00 PM	CONF File	2 KB
httpd-default	2/11/2016 5:00 PM	CONF File	3 KB
httpd-info	2/11/2016 5:00 PM	CONF File	2 KB
httpd-languages	2/11/2016 5:00 PM	CONF File	6 KB
httpd-manual	2/11/2016 5:00 PM	CONF File	2 KB
httpd-mpm	2/11/2016 5:00 PM	CONF File	4 KB
httpd-multilang-errordoc	2/11/2016 5:00 PM	CONF File	3 KB
httpd-ssl	2/11/2016 5:00 PM	CONF File	12 KB
httpd-userdir	2/11/2016 5:00 PM	CONF File	1 KB
httpd-vhosts	7/12/2016 2:02 PM	CONF File	4 KB

```
<VirtualHost *:80>
    ServerAdmin webmaster@dummy-host2.cts.com
    DocumentRoot "D:\localdispatchercache"
    ServerName vardhanlocal.com
    ErrorLog "logs/vardhanlocal.com-error.log"
    CustomLog "logs/vardhanlocal.com-access.log" common

    <Directory D:\localdispatchercache>
    Options FollowSymLinks
    #AllowOverride None

    Allow from all
    Order Deny,Allow
    </Directory>

    <IfModule disp_apache2.c>

        SetHandler dispatcher-handler
        #DispatcherPassError 0
    </IfModule>

        <IfModule mod_rewrite.c>
        RewriteEngine On

    # Home Page Rewrites
    RewriteCond %{REQUEST_URI} ^/apps [OR]
        RewriteCond %{REQUEST_URI} ^/content [OR]
        RewriteCond %{REQUEST_URI} ^/etc [OR]
        RewriteCond %{REQUEST_URI} ^/home [OR]
        RewriteCond %{REQUEST_URI} ^/libs [OR]
        RewriteCond %{REQUEST_URI} ^/tmp [OR]
        RewriteCond %{REQUEST_URI} ^/var
        RewriteRule ^.*$ - [PT,L]
    RewriteRule ^//?$ /content/geometrixx-outdoors/en.html [PT,NC,L]
    #RewriteRule ^/(.*)\.html$ $1.html [PT,L]
        RewriteRule ^(.+\.html?)$ /content/geometrixx-outdoors/en/$1 [PT,NC,L]
    </IfModule>
</VirtualHost>
```

Make sure to pay attention on the highlighted rewrite rules and the SetHandler configurations, these are the crucial ones to render your page properly else the request might be stopped at dispatcher level itself not propagating to the publish instances of AEM.

That's it once you done all the above configuration without any mistakes you should be able to see the domain name access of our home page. And all other pages should be rendered with short form of the urls by hiding the content paths that has been configured in etc/maps

Browser 1

vardhanlocal.com

My Cart   Messages   My Account   Sign Out   Sign In or Register   Search

geometrix
OUTDOORS

MEN'S   WOMEN'S   EQUIPMENT   ACTIVITIES   COMMUNITIES   SUPPORT   BRAND

GEAR see more gear +   ARTICLE view the blog +

**Complete your
purchase of:**

Browser 2

vardhanlocal.com/men.html

My Cart   Messages   My Account   Sign Out   Sign In or Register   Search

geometrix
OUTDOORS

MEN'S   WOMEN'S   EQUIPMENT   ACTIVITIES   COMMUNITIES   SUPPORT   BRAND

⌂   Men's

MEN'S

Coats

Pants

Shirts

Shorts

KEEP YOUR COOL

Shop functional, stylish men's shirts and shorts.

SHOP NOW →