```apache
<IfModule mod_rewrite.c>
    Options -MultiViews

    RewriteEngine On

    # Determine the RewriteBase automatically and set it as environment variable.
    RewriteCond %{REQUEST_URI}::$1 ^(/.+)/(.*)::\2$
    RewriteRule ^(.*) - [E=BASE:%1]

    # Set the HTTP_AUTHORIZATION header removed by apache as environment variable.
    RewriteCond %{HTTP:Authorization} .
    RewriteRule .* - [E=HTTP_AUTHORIZATION:%{HTTP:Authorization}]

    # Redirect to URI without front controller to prevent duplicate content.
    # We only do this redirect on the initial rewrite to prevent endless redirect loops.
    RewriteCond %{ENV:REDIRECT_STATUS} ^$
    RewriteRule ^index\.php(/(.*)|$) %{ENV:BASE}/$2 [R=301,L]

    # If the requested filename exists or should exist, simply serve it.
    RewriteCond %{REQUEST_FILENAME} -s [OR]
    RewriteCond %{REQUEST_FILENAME} -l [OR]
    RewriteCond %{REQUEST_FILENAME} -d [OR]
    RewriteCond %{REQUEST_URI} =/favicon.ico [OR]
    RewriteCond %{REQUEST_URI} =/robots.txt
    RewriteRule .? - [L]

    # Rewrite all other queries to the front controller.
    RewriteRule .? %{ENV:BASE}/index.php [QSA,L]
</IfModule>
```