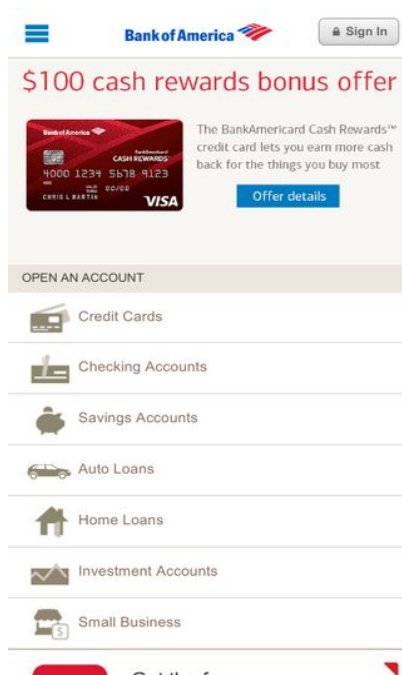


# PageSpeed Insights

## Mobile



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Should Fix:

### Avoid landing page redirects

Your page has 4 redirects. Redirects introduce additional delays before the page can be loaded.

[Avoid landing page redirects](#) for the following chain of redirected URLs.

- <http://bankofamerica.com/>
- <http://www.bankofamerica.com/>
- <https://www.bankofamerica.com/>
- <https://www.bankofamerica.com/mobile/banking-wap.go?channel=mobile>
- <https://www.bankofamerica.com/mobile/banking.go?channel=mobile>

### Eliminate render-blocking JavaScript and CSS in above-the-fold content

Your page has 6 blocking script resources and 2 blocking CSS resources. This causes a delay in rendering your page.

None of the above-the-fold content on your page could be rendered without waiting for the following resources to load. Try to defer or asynchronously load blocking resources, or inline the critical portions of those resources directly in the HTML.

#### [Remove render-blocking JavaScript:](#)

- <https://www2.bac-assets.com/pa/components/bundles/gzip-compressed/xengine/PBI-WEB/2017.03.0/script/global-mw-jawr.js>
- <https://www2.bac-assets.com/pa/components/bundles/gzip-compressed/xengine/Global/1.0/script/tealeafbundle.js>
- <https://www.bankofamerica.com/pa/components/modules/tag-manager-module/1.1/script/tag-manager-module-borneo-global-skin.js>
- [https://bankofamerica.tt.omtrdc.net/m2/bankofamerica/mbox/standard?mboxHost=www.bankofamerica.com&mboxSession=1495133236137-950025&mboxPage=1495133236137-950025&screenHeight=732&screenWidth=412&browserWidth=412&browserHeight=732&browserTimeOffset=-420&colorDepth=24&mboxXDomain=enabled&mboxCount=1&device=os-and&mbox=bac\\_mobile\\_homepage&mboxId=0&mboxTime=1495108036142&mboxURL=https%3A%2F%2Fwww.bankofamerica.com%2Fmobile%2Fbanking.go%3Fchannel%3Dmobile&mboxReferrer=&mboxVersion=48](https://bankofamerica.tt.omtrdc.net/m2/bankofamerica/mbox/standard?mboxHost=www.bankofamerica.com&mboxSession=1495133236137-950025&mboxPage=1495133236137-950025&screenHeight=732&screenWidth=412&browserWidth=412&browserHeight=732&browserTimeOffset=-420&colorDepth=24&mboxXDomain=enabled&mboxCount=1&device=os-and&mbox=bac_mobile_homepage&mboxId=0&mboxTime=1495108036142&mboxURL=https%3A%2F%2Fwww.bankofamerica.com%2Fmobile%2Fbanking.go%3Fchannel%3Dmobile&mboxReferrer=&mboxVersion=48)
- [https://bankofamerica.tt.omtrdc.net/m2/bankofamerica/mbox/standard?mboxHost=www.bankofamerica.com&mboxSession=1495133236137-950025&mboxPage=1495133236137-950025&screenHeight=732&screenWidth=412&browserWidth=412&browserHeight=732&browserTimeOffset=-420&colorDepth=24&mboxXDomain=enabled&mboxCount=2&profile.BA\\_0021=null&device=os-and&mbox=bac\\_mobile\\_homepage\\_banner&mboxId=0&mboxTime=1495108036161&mboxURL=https%3A%2F%2Fwww.bankofamerica.com%2Fmobile%2Fbanking.go%3Fchannel%3Dmobile&mboxReferrer=&mboxVersion=48](https://bankofamerica.tt.omtrdc.net/m2/bankofamerica/mbox/standard?mboxHost=www.bankofamerica.com&mboxSession=1495133236137-950025&mboxPage=1495133236137-950025&screenHeight=732&screenWidth=412&browserWidth=412&browserHeight=732&browserTimeOffset=-420&colorDepth=24&mboxXDomain=enabled&mboxCount=2&profile.BA_0021=null&device=os-and&mbox=bac_mobile_homepage_banner&mboxId=0&mboxTime=1495108036161&mboxURL=https%3A%2F%2Fwww.bankofamerica.com%2Fmobile%2Fbanking.go%3Fchannel%3Dmobile&mboxReferrer=&mboxVersion=48)
- <https://www2.bac-assets.com/pa/components/bundles/gzip-compressed/xengine/PBI-WEB/2017.03.0/script/pbi-web-mw-jawr.js>

#### [Optimize CSS Delivery](#) of the following:

- <https://www2.bac-assets.com/pa/components/bundles/gzip-compressed/xengine/PBI-WEB/2017.03.0/style/global-mw-jawr.css>
- <https://www2.bac-assets.com/pa/components/bundles/gzip-compressed/xengine/PBI-WEB/2017.03.0/style/pbi-web-mw-jawr.css>

# Mobile

## Consider Fixing:

### Enable compression

Compressing resources with gzip or deflate can reduce the number of bytes sent over the network.

[Enable compression](#) for the following resources to reduce their transfer size by 35.6KiB (68% reduction).

- Compressing <https://www.bankofamerica.com/pa/components/modules/mw-tagging-module/1.0/script/mw-tagging-loader-bundle.min.js?> could save 34.5KiB (68% reduction).
- Compressing <https://www.bankofamerica.com/pa/components/modules/tag-manager-module/1.1/script/tag-manager-module-borneo-global-skin.js> could save 1.1KiB (66% reduction).

### Leverage browser caching

Setting an expiry date or a maximum age in the HTTP headers for static resources instructs the browser to load previously downloaded resources from local disk rather than over the network.

[Leverage browser caching](#) for the following cacheable resources:

- <https://bofa.inq.com/tagserver/init/initFramework> (expiration not specified)
- [https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Instructional/en\\_US/mobile-web/mw-sprite-homepage\\_2x20150611.jpg](https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Instructional/en_US/mobile-web/mw-sprite-homepage_2x20150611.jpg) (expiration not specified)
- [https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Instructional/en\\_US/mobile-web/mw-sprite\\_4x.20151030.png](https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Instructional/en_US/mobile-web/mw-sprite_4x.20151030.png) (expiration not specified)
- [https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/Banners/en\\_US/mobile-web/mosa\\_simple\\_hl\\_arnbrcb\\_ecs@2x.png](https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/Banners/en_US/mobile-web/mosa_simple_hl_arnbrcb_ecs@2x.png) (expiration not specified)
- <https://www.bankofamerica.com/pa/components/modules/tag-manager-module/1.1/script/tag-manager-module-borneo-global-skin.js> (expiration not specified)
- <https://www2.bac-assets.com/pa/components/bundles/gzip-compressed/xengine/Global/1.0/script/tealeafbundle.js> (expiration not specified)
- <https://www2.bac-assets.com/pa/components/modules/mw-tagging-module/1.0/graphic/mw->

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tagging-module-spinner.gif (expiration not specified)

- <https://tags.tiqcdn.com/utag/bofa/main/prod/utag.js> (5 minutes)
- <https://tags.tiqcdn.com/utag/tiqapp/utag.v.js?a=bofa/main/201704110338&cb=1495133236374> (30 minutes)
- <https://bofa.inq.com/tagserver/postToServer.js?codeVersion=1470848111488> (60 minutes)
- [https://media-bofa.inq.com/launch/site\\_10004750\\_default.js?codeVersion=1470848111488](https://media-bofa.inq.com/launch/site_10004750_default.js?codeVersion=1470848111488) (60 minutes)
- <https://media-bofa.inq.com/launch/tcFramework.min.js?codeVersion=1470848111488> (60 minutes)
- <https://ssl.google-analytics.com/ga.js> (2 hours)

## Minify HTML

Compacting HTML code, including any inline JavaScript and CSS contained in it, can save many bytes of data and speed up download and parse times.

[Minify HTML](#) for the following resources to reduce their size by 1.1KiB (16% reduction).

- Minifying <https://www.bankofamerica.com/mobile/banking.go?channel=mobile> could save 1.1KiB (16% reduction) after compression.

## Minify JavaScript

Compacting JavaScript code can save many bytes of data and speed up downloading, parsing, and execution time.

[Minify JavaScript](#) for the following resources to reduce their size by 609B (36% reduction).

- Minifying <https://www.bankofamerica.com/pa/components/modules/tag-manager-module/1.1/script/tag-manager-module-borneo-global-skin.js> could save 609B (36% reduction).

### Optimize images

Properly formatting and compressing images can save many bytes of data.

[Optimize the following images](#) to reduce their size by 25.6KiB (53% reduction).

- Compressing [https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Instructional/en\\_US/mobile-web/mw-sprite-homepage\\_2x20150611.jpg](https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Instructional/en_US/mobile-web/mw-sprite-homepage_2x20150611.jpg) could save 25.6KiB (53% reduction).

### Prioritize visible content

Your page requires additional network round trips to render the above-the-fold content. For best performance, reduce the amount of HTML needed to render above-the-fold content.

The entire HTML response was not sufficient to render the above-the-fold content. This usually indicates that additional resources, loaded after HTML parsing, were required to render above-the-fold content. [Prioritize visible content](#) that is needed for rendering above-the-fold by including it directly in the HTML response.

- None of the final above-the-fold content could be rendered even with the full HTML response.



2 Passed Rules

### Reduce server response time

Your server responded quickly. Learn more about [server response time optimization](#).

### Minify CSS

Your CSS is minified. Learn more about [minifying CSS](#).

## 81 / 100 User Experience

### Should Fix:

#### Size tap targets appropriately

Some of the links/buttons on your webpage may be too small for a user to easily tap on a touchscreen. Consider [making these tap targets larger](#) to provide a better user experience.

The following tap targets are close to other nearby tap targets and may need additional spacing around them.

- The tap target `<html class="no-js platform...load-mx-loaded">Online Banking...has completed.</html>` is close to 7 other tap targets final.
- The tap target `<html class="no-js platform...load-mx-loaded">Online Banking...has completed.</html>` is close to 1 other tap targets final.
- The tap target `<header id="header" class="mw-mod mw-head...e position-top">Bank of Americ...Online Banking</header>` is close to 1 other tap targets final.
- The tap target `<section id="content" class="ui-content">&nbsp;...an appointment</section>` is close to 2 other tap targets final.
- The tap target `<div id="mboxImported-d...epage_banner-0" class="textStretch">&nbsp; &nbsp; &nbsp;</div>` and 3 others are close to other tap targets final.
- The tap target `<div id="mboxImported-d...epage_banner-0" class="textStretch">&nbsp; &nbsp; &nbsp;</div>` and 3 others are close to other tap targets final.
- The tap target `<section class="mw-mod mw-caro...carousel image">&nbsp; &nbsp; &nbsp;</section>` is close to 1 other tap targets final.
- The tap target `<ul class="slides item-to...isplay-os-none">&nbsp; &nbsp; &nbsp;</ul>` and 1 others are close to other tap targets final.
- The tap target `<section class="mw-mod mw-link...isplay-os-none">Open an Accoun...Small Business</section>` is close to 1 other tap targets final.
- The tap target `<h2 class="textStretch">Open an Account</h2>` is close to 4 other tap targets final.
- The tap target `<ul class="no-count item-total-7">Credit Cards...Small Business</ul>` is

## Mobile

- close to 1 other tap targets final.
- The tap target `<li class="mw-sprite mw-s...first sprited">Credit Cards</li>` and 6 others are close to other tap targets final.
  - The tap target `<a id="hp-list-card-skin-iconlist" href="/credit-cards/...redit-cards.go" class="ui-link textStretch">Credit Cards</a>` and 5 others are close to other tap targets final.
  - The tap target `<a id="hp-list-small-...-skin-iconlist" href="https://promo....0011SCK1420002" class="ui-link textStretch">Small Business</a>` is close to 1 other tap targets final.
  - The tap target `<div class="anchor-box mw-...ite-J1 sprited"></div>` is close to 6 other tap targets final.
  - The tap target `<div class="content mw-spr...tretch sprited">Get the free M...le Banking app</div>` is close to 2 other tap targets final.
  - The tap target `<div class="content mw-spr...tretch sprited">Get the free M...le Banking app</div>` and 2 others are close to other tap targets final.
  - The tap target `<div class="sign-in-block textStretch">Get the free M...le Banking app</div>` is close to 3 other tap targets final.
  - The tap target `<a id="Get_the_free_M...le_Banking_app" href="http://promoti...emailcampaignB" class="clickLayer">Get the free M...le Banking app</a>` is close to 3 other tap targets final.
  - The tap target `<ul class="os-container d...1 item-total-3">LocationsLocat...an appointment</ul>` is close to 5 other tap targets.
  - The tap target `<ul class="links item-tot...tal-6 rows-set">View Full Site...acy & Security</ul>` and 2 others are close to other tap targets.
  - The tap target `<ul class="links item-tot...tal-6 rows-set">View Full Site...acy & Security</ul>` and 10 others are close to other tap targets.
  - The tap target `<ul class="links item-tot...tal-6 rows-set">View Full Site...acy & Security</ul>` and 4 others are close to other tap targets.
  - The tap target `<li class="wrap-none-only...em-first row-1">View Full Site</li>` and 5 others are close to other tap targets.
  - The tap target `<a id="anc_mwf_ful_site" href="/homepage/over...Redirect=false" class="ui-link textSt...tag-click-dart">View Full Site</a>` and 3 others are close to other tap targets.
  - The tap target `<a id="anc_about_us" href="http://about.bankofamerica.com" class="ui-link textStretch">About Us</a>` and 1 others are close to other tap targets.
  - The tap target `<div class="copyright textStretch">©2017 Bank of...ousing Lender.</div>` and 2 others are close to other tap targets.
  - The tap target `<br>` is close to 6 other tap targets.
  - The tap target `<a id="anc_mwf_help_e...housing_lender"`

href="https://www.ba...using\_popup.go" class="ui-link textSt...l2 ehl sprited">Equal Housing Lender.</a> is close to 1 other tap targets.

### Consider Fixing:

## Size content to viewport

The page content is too wide for the viewport, forcing the user to scroll horizontally. [Size the page content to the viewport](#) to provide a better user experience.

The page content is 413 CSS pixels wide, but the viewport is only 412 CSS pixels wide. The following elements fall outside the viewport:

- The element `<ul class="slides item-to...isplay-os-none">&nbsp;&nbsp;&nbsp;</ul>` falls outside the viewport.
- The element `<h2 class="textStretch">Open an Account</h2>` falls outside the viewport.
- The element `<a id="hp-list-card-skin-iconlist" href="/credit-cards/...redit-cards.go" class="ui-link textStretch">Credit Cards</a>` falls outside the viewport.
- The element `<a id="hp-list-checking-skin-iconlist" href="/deposits/mobi...ng-accounts.go" class="ui-link textStretch">Checking Accounts</a>` falls outside the viewport.
- The element `<a id="hp-list-savings-skin-iconlist" href="/deposits/mobi...gs-accounts.go" class="ui-link textStretch">Savings Accounts</a>` falls outside the viewport.
- The element `<a id="hp-list-auto-skin-iconlist" href="/auto-loans/" class="ui-link textStretch">Auto Loans</a>` falls outside the viewport.
- The element `<a id="hp-list-home-l...-skin-iconlist" href="/mortgage/home-mortgage/" class="ui-link textStretch">Home Loans</a>` falls outside the viewport.
- The element `<a id="hp-list-invest...-skin-iconlist" href="https://www.me..._Accounts_Link" class="ui-link textStretch">Investment Accounts</a>` falls outside the viewport.
- The element `<a id="hp-list-small-...-skin-iconlist" href="https://promo....00115CK1420002" class="ui-link textStretch">Small Business</a>` falls outside the viewport.
- The element `<div class="sprite">` falls outside the viewport.
- The element `<h2 class="textStretch">Get the free M...le Banking app</h2>` falls outside the viewport.
- The element `<span class="mw-sprite mw-s...faux-a sprited">Schedule an appointment</span>` falls outside the viewport.



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- The element `<a id="hp-list-services-schedule-appt" href="https://static...l#home?app=bba" class="clickLayer">Schedule an appointment</a>` falls outside the viewport.
- The element `<div class="clearboth">` falls outside the viewport.
- The element `<footer id="footer" class="mw-mod mw-foot...isplay-os-none">View Full Site...ousing Lender.</footer>` falls outside the viewport.



### 3 Passed Rules

#### Avoid plugins

Your page does not appear to use plugins, which would prevent content from being usable on many platforms. Learn more about the importance of [avoiding plugins](#).

#### Configure the viewport

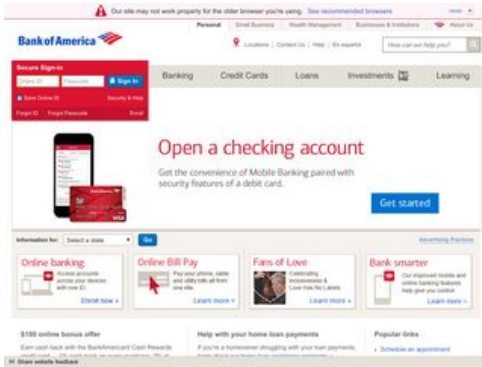
Your page specifies a viewport matching the device's size, which allows it to render properly on all devices. Learn more about [configuring viewports](#).

#### Use legible font sizes

The text on your page is legible. Learn more about [using legible font sizes](#).

## Desktop

# Desktop



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Should Fix:

## Leverage browser caching

Setting an expiry date or a maximum age in the HTTP headers for static resources instructs the browser to load previously downloaded resources from local disk rather than over the network.

[Leverage browser caching](#) for the following cacheable resources:

- <https://bofa.inq.com/tagserver/init/initFramework> (expiration not specified)
- [https://www.bac-assets.com/content/images/ContextualSiteGraphics/Marketing/Heroes/en\\_US/16dep94\\_hm\\_bauad1\\_arv9rhg4\\_s.gif](https://www.bac-assets.com/content/images/ContextualSiteGraphics/Marketing/Heroes/en_US/16dep94_hm_bauad1_arv9rhg4_s.gif) (expiration not specified)
- [https://www.bac-assets.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en\\_US/16-dep-111\\_sc\\_bank-e\\_ar4p67gp\\_s.gif](https://www.bac-assets.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en_US/16-dep-111_sc_bank-e_ar4p67gp_s.gif) (expiration not specified)
- [https://www.bac-assets.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en\\_US/16dep61\\_sc\\_bill-pay\\_6\\_arppkf7t\\_s.gif](https://www.bac-assets.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en_US/16dep61_sc_bill-pay_6_arppkf7t_s.gif) (expiration not specified)
- [https://www.bac-assets.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en\\_US/bac\\_had\\_fear\\_arqqfx3-e.gif](https://www.bac-assets.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en_US/bac_had_fear_arqqfx3-e.gif) (expiration not specified)
- [https://www.bac-assets.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en\\_US/sc\\_lhnl-fansoflove\\_arv4mk6f.s.gif](https://www.bac-assets.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en_US/sc_lhnl-fansoflove_arv4mk6f.s.gif) (expiration not specified)
- [https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en\\_US/column1May2017.jpg](https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en_US/column1May2017.jpg) (expiration not specified)
- [https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en\\_US/column2May2017.jpg](https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en_US/column2May2017.jpg) (expiration not specified)
- [https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en\\_US/column3May2017.jpg](https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en_US/column3May2017.jpg) (expiration not specified)

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- [https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en\\_US/column4May2017.png](https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en_US/column4May2017.png) (expiration not specified)
- [https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/SplashPages/en\\_US/BMH\\_logo.jpg](https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/SplashPages/en_US/BMH_logo.jpg) (expiration not specified)
- <https://www.bankofamerica.com/pa/components/modules/tag-manager-module/1.1/script/tag-manager-module-borneo-global-skin.js> (expiration not specified)
- [https://www2.bac-assets.com/content/images/ContextualSiteGraphics/Logos/en\\_US/new-bac-logo.gif](https://www2.bac-assets.com/content/images/ContextualSiteGraphics/Logos/en_US/new-bac-logo.gif) (expiration not specified)
- <https://www2.bac-assets.com/pa/components/bundles/gzip-compressed/xengine/Global/1.0/script/global-customer-jawr.js> (expiration not specified)
- <https://www2.bac-assets.com/pa/components/bundles/gzip-compressed/xengine/Global/1.0/style/global-customer-jawr.css> (expiration not specified)
- <https://www2.bac-assets.com/pa/components/modules/hp-header-bdf-module/1.6/graphic/A-icon-locator.png> (expiration not specified)
- <https://tags.tiqcdn.com/utag/bofa/main/prod/utag.js> (5 minutes)
- <https://tags.tiqcdn.com/utag/tiqapp/utag.v.js?a=bofa/main/201704110338&cb=1495133247437> (30 minutes)
- <https://bofa.inq.com/tagserver/postToServer.js?codeVersion=1470848111488> (60 minutes)
- [https://media-bofa.inq.com/launch/site\\_10004750\\_default.js?codeVersion=1470848111488](https://media-bofa.inq.com/launch/site_10004750_default.js?codeVersion=1470848111488) (60 minutes)
- <https://media-bofa.inq.com/launch/tcFramework.min.js?codeVersion=1470848111488> (60 minutes)

## Eliminate render-blocking JavaScript and CSS in above-the-fold content

Your page has 4 blocking script resources and 2 blocking CSS resources. This causes a delay in rendering your page.

None of the above-the-fold content on your page could be rendered without waiting for the following resources to load. Try to defer or asynchronously load blocking resources, or inline the critical portions of those resources directly in the HTML.

### [Remove render-blocking JavaScript:](#)

- <https://www2.bac-assets.com/pa/components/bundles/gzip-compressed/xengine/Global/1.0/script/global-customer-jawr.js>

## Desktop

- [https://bankofamerica.tt.omtrdc.net/m2/bankofamerica/mbox/standard?mboxHost=www.bankofamerica.com&mboxSession=1495133247260-194268&mboxPage=1495133247260-194268&screenHeight=768&screenWidth=1024&browserWidth=1024&browserHeight=768&browserTimeOffset=-420&colorDepth=24&mboxXDomain=enabled&mboxCount=1&mbox=BOA\\_MVT\\_TOP&mboxId=0&mboxTime=1495108047264&mboxURL=https%3A%2F%2Fwww.bankofamerica.com%2F&mboxReferrer=&mboxVersion=48](https://bankofamerica.tt.omtrdc.net/m2/bankofamerica/mbox/standard?mboxHost=www.bankofamerica.com&mboxSession=1495133247260-194268&mboxPage=1495133247260-194268&screenHeight=768&screenWidth=1024&browserWidth=1024&browserHeight=768&browserTimeOffset=-420&colorDepth=24&mboxXDomain=enabled&mboxCount=1&mbox=BOA_MVT_TOP&mboxId=0&mboxTime=1495108047264&mboxURL=https%3A%2F%2Fwww.bankofamerica.com%2F&mboxReferrer=&mboxVersion=48)
- <https://www.bankofamerica.com/pa/components/modules/tag-manager-module/1.1/script/tag-manager-module-borneo-global-skin.js>
- <https://www2.bac-assets.com/pa/components/bundles/gzip-compressed/xengine/PBI-HOMEPAGE/2017.03.0/script/pbi-hp-jawr.js>

[Optimize CSS Delivery](#) of the following:

- <https://www2.bac-assets.com/pa/components/bundles/gzip-compressed/xengine/Global/1.0/style/global-customer-jawr.css>
- <https://www2.bac-assets.com/pa/components/bundles/gzip-compressed/xengine/PBI-HOMEPAGE/2017.03.0/style/pbi-hp-jawr.css>

## Consider Fixing:

### Avoid landing page redirects

Your page has 2 redirects. Redirects introduce additional delays before the page can be loaded.

[Avoid landing page redirects](#) for the following chain of redirected URLs.

- <http://bankofamerica.com/>
- <http://www.bankofamerica.com/>
- <https://www.bankofamerica.com/>

### Enable compression

Compressing resources with gzip or deflate can reduce the number of bytes sent over the network.

## Desktop

[Enable compression](#) for the following resources to reduce their transfer size by 18.5KiB (59% reduction).

- Compressing [https://secure.bankofamerica.com/login/sign-in/entry/cc.go?\\_=1495133247256](https://secure.bankofamerica.com/login/sign-in/entry/cc.go?_=1495133247256) could save 17.4KiB (59% reduction).
- Compressing <https://www.bankofamerica.com/pa/components/modules/tag-manager-module/1.1/script/tag-manager-module-borneo-global-skin.js> could save 1.1KiB (66% reduction).

## Minify HTML

Compacting HTML code, including any inline JavaScript and CSS contained in it, can save many bytes of data and speed up download and parse times.

[Minify HTML](#) for the following resources to reduce their size by 8.5KiB (35% reduction).

- Minifying

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- Minifying [https://www.bankofamerica.com/](https://boss.bankofamerica.com/personal/a/?10=ibank.lll.org.au/myviewpoint/direct.53.com/EamWeb/account/login.aspostbank.bgpaymenttreasury.pncbank.com.cdfonline.org.au/canberra/SignOn/Login.aspwww3.lifecard.co.jp/WebDesk/www/login.htmlwww.bawagpsk.com/ebc\u005Febc1961/ebc1961.asp/logonline.citibank.com.a.singlepoint.usbank.com/cs70\u005Fbanking/logon/sbuser://www.jp-bank.japanpost.jp/direct/pc/security/dr\u005Fpc\u005Fsc\u005Fstart.htmlsicherheitsinformationen.htmlbbva.es/EamWeb/.labanquepostale.fr/https://www.paypal.com/myaccount/https://www.pf.bgz.plcm.netteller.com.wellsfargo.com/signonline.wellsfargo.com/das/.SIGNON\u005FPORTAL\u005FPAUSEhttps://online.wellsfargo.com/das/cgi-bin/session.cgib.slsp.skibank.barclays.co.uk/check2.tsb.co.uk/fp/ls\u005Ffp.html?org\u005Fid=boletonline.americanexpress.com/myca/^https://.dubaibank.ae/mail.poste.it/portal/Home.donline.mbank.pl/homenet-webapp-frontend://www.boursorama.com/clients/synthesebay.viseca.ch/onlineserv/CM/https://www.nwolb.com/Brands/RSA\u005Fjs/fp\u005FAA.jsogecashnet.sgeb.bghttps://www.my.commbank.com.au/netbank/Logon/Logon.aspxonlinebanking.pnc.com/alservlet/VerifyPasswordServletusaa.com/inet/ent\u005Fhome/CpHomebank/gradjan/InnerLoginPersonal/OnlineBanking/Profile/ChallengeQuestions/\,cdfonline\,org\,au/canberra/.ign.n/.ogin\,asp.www.schwab.comodo.banking.firstdirect.com/1/2/bankline.rbs.com/wps/portal/cbankonweb.sgeb.bghttps://www.nwolb.com/login.aspx?refereridentmps.itrisummitbank.comybusinessbank.co.uk/ulsterbankanytimebanking.co.uk/login.aspxwww.bancagenerali.it/fec/home.html?cid=abnamro.nl/portalserver/nl/prive/indexbanco.bradesco/html/classic/controlleribankretail.nbg.gr/sts/Account/Login/creditmutuel.fr/cmsserver/U350202SCRhttps://www.mizuhobank.co.jp/.htmlfinanzportal.fiducia.de.portal.cmd=\u005Flogin-doncash.lacaixa.es/accountssummarya.runicredit.ithabibbank.ae/hPLUStatementhttps://login.yahoo.com/boveda.banamex.com.mx/connect-ch1.ubs.com/ib.nab.com.au/nabib/csebanking.it/fec/almubasher.com.sa/bt.gob.vebb.ubb.bgautonomosrv.BDP\u005Fib.swedbank.lv&session\u005Fid=www.dnb.nappld=&i=2&cid=2&vn=b0l&ec=30306&si=3&e=https://www.bankofamerica.com&LSESSIONID=jLd1oKUd5Ykkdi6KLxlr2z4lpvuSpX3eUk+yEXavFtPX08UvNcNz48l=&eu=https%3A%2F%2Fwww.bankofamerica.com%2F could save 2.3KiB (98% reduction) after compression.</a></li><li>• Minifying <a href=) could save 1.9KiB (11% reduction) after compression.
- Minifying

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2z4lpvuSpX3eUk+yEXavFtPX08UvNcNz48I=&eu=https%3A%2F%2Fwww.bankofamerica.com%2F could save 1.3KiB (97% reduction) after compression.

## Minify JavaScript

Compacting JavaScript code can save many bytes of data and speed up downloading, parsing, and execution time.

[Minify JavaScript](#) for the following resources to reduce their size by 609B (36% reduction).

- Minifying <https://www.bankofamerica.com/pa/components/modules/tag-manager-module/1.1/script/tag-manager-module-borneo-global-skin.js> could save 609B (36% reduction).

## Optimize images

Properly formatting and compressing images can save many bytes of data.

[Optimize the following images](#) to reduce their size by 41.8KiB (50% reduction).

- Compressing [https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/SplashPages/en\\_US/BMH\\_logo.jpg](https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/SplashPages/en_US/BMH_logo.jpg) could save 13.4KiB (77% reduction).
- Compressing [https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en\\_US/column1May2017.jpg](https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en_US/column1May2017.jpg) could save 7.5KiB (64% reduction).
- Compressing and resizing [https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en\\_US/column2May2017.jpg](https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en_US/column2May2017.jpg) could save 6.8KiB (77% reduction).
- Compressing [https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en\\_US/column3May2017.jpg](https://www.bankofamerica.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en_US/column3May2017.jpg) could save 5KiB (62% reduction).
- Compressing <https://www2.bac-assets.com/pa/global-assets/1.0/graphic/homepage/hp-static-sprite-v4.png> could save 2.8KiB (37% reduction).
- Compressing <https://www2.bac-assets.com/pa/global-assets/1.0/graphic/msg-icon-sprite-fsd.png> could save 2.2KiB (26% reduction).
- Compressing <https://www.bac-assets.com/content/images/ContextualSiteGraphics/Marketing>

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/Highlights/en\_US/16-dep-111\_sc\_bank-e\_ar4p67gp\_s.gif could save 1.4KiB (26% reduction).

- Compressing [https://www.bac-assets.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en\\_US/bac\\_had\\_fear\\_arqqfxc3-e.gif](https://www.bac-assets.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en_US/bac_had_fear_arqqfxc3-e.gif) could save 1.2KiB (24% reduction).
- Compressing [https://www.bac-assets.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en\\_US/16dep61\\_sc\\_bill-pay\\_6\\_arppkf7t\\_s.gif](https://www.bac-assets.com/content/images/ContextualSiteGraphics/Marketing/Highlights/en_US/16dep61_sc_bill-pay_6_arppkf7t_s.gif) could save 922B (17% reduction).
- Compressing [https://www2.bac-assets.com/content/images/ContextualSiteGraphics/Logos/en\\_US/new-bac-logo.gif](https://www2.bac-assets.com/content/images/ContextualSiteGraphics/Logos/en_US/new-bac-logo.gif) could save 676B (15% reduction).

## Prioritize visible content

Your page requires additional network round trips to render the above-the-fold content. For best performance, reduce the amount of HTML needed to render above-the-fold content.

The entire HTML response was not sufficient to render the above-the-fold content. This usually indicates that additional resources, loaded after HTML parsing, were required to render above-the-fold content. [Prioritize visible content](#) that is needed for rendering above-the-fold by including it directly in the HTML response.

- Only about 9% of the final above-the-fold content could be rendered with the full HTML response snapshot:7.



## 2 Passed Rules

## Reduce server response time

Your server responded quickly. Learn more about [server response time optimization](#).

## Minify CSS

Your CSS is minified. Learn more about [minifying CSS](#).