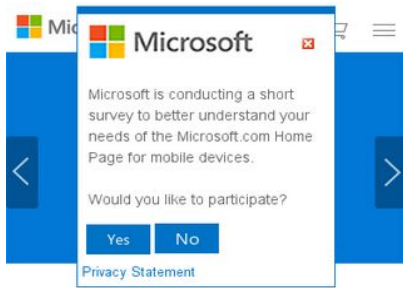


PageSpeed Insights

Mobile



[Upgrade for free*](#) >

[Shop for PCs*](#) >



55 / 100 Speed

 Should Fix:

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

Your page has 10 blocking script resources and 4 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:](#)

- <http://ajax.aspnetcdn.com/ajax/jquery/jquery-1.7.2.min.js>
- <http://ajax.aspnetcdn.com/ajax/jquery.mobile/1.3.2/jquery.mobile-1.3.2.min.js>
- <http://c.webtrends.com/acs/account/ep4ka8v0wg/js/wt.js>
- https://assets.onestore.ms/cdnfiles/onestorerolling-1510-21005/shell/common/js/shell_ie8.js

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- <https://mem.gfx.ms/meversion?partner=retailstore&market=en-US>
- https://assets.onestore.ms/cdnfiles/onestorerolling-1510-21005/shell/generated/shellservice.v2_5.min.js
- <https://assets.onestore.ms/cdnfiles/onestorerolling-1510-21005/store/blender/js/blender.js>
- http://c.s-microsoft.com/en-us/CMSScripts/script.jsx?k=9ec5cf5a-1af6-fe90-f4cc-1a38d7d1d275_9992692b-e27c-3fdb-ff69-c9e41c46b294_517a7087-9636-e078-8b13-a173049192f5_4c905457-169a-061a-e153-0372577f2998_742bd11f-3d7c-9955-3df5-f02b66689699_525283c5-3d35-4dd2-5a96-acaf933fab61_49488e0d-6ae2-5101-c995-f4d56443b1d8_2ac79f2c-0420-95d2-d38c-1864e2b5b992_38aa9ffb-ddb5-75be-6536-a58628f435f5_4ca0e9dc-a4de-17ba-f0de-d1d346cb99e2_06310cd8-41c6-3b11-4645-b4884789ed70_5c27e8aa-9347-969e-39ac-37a4de428a8d_6c1db848-51f4-78cc-9217-a2f64d1244b2_64c742e2-b29c-b6c1-fdd9-accf33ec40bd_cf2ceca9-3467-a5b3-d095-68958eee6d4c_cec39dd8-f1d3-56f1-abfc-a7db34ff7b46_e5fa2c9-3950-ff57-a5c3-1fa77e0db190_d19f9592-65df-bcc9-e30e-439b875c3381_fe475a6c-9678-c252-1f6d-89be5c5350aa_8ac9e9d5-8856-903d-0809-dc1a02408ae0_becd928f-5c85-ef41-39e4-0261314a3996_cdf20e43-7f50-5e8c-4e0a-4cb16b90fa1a_946f76e1-b56b-490a-8fcb-87c9e37e0c22_b43de09e-58bf-6c8f-e286-0f3289bc5c60_7fdcd07e-c42d-8dfb-2a34-67fc04f3a447_abed9965-3a6f-804c-ce1c-41b1a43a3de6_4673f817-03d3-8cb3-d8e5-3309a5ac9c78_40c6c884-da6e-7c2c-081f-4a7dfe7c7245
- <https://c.s-microsoft.com/Static/UHF/Common/JS/respond.min.js>
- <http://c.s-microsoft.com/en-us/CMSScripts/script.jsx?k=73f1b5e2-f232-8d8c-8508-273be99f6755>

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

- https://assets.onestore.ms/cdnfiles/onestorerolling-1510-21005/shell/v2_5/scss/shell.min.css
- <https://assets.onestore.ms/cdnfiles/onestorerolling-1510-21005/shell/common/respond-proxy.html>
- http://c.s-microsoft.com/en-us/CMSStyles/style.csx?k=3c9ade18-bc6a-b6bd-84c3-fc69aaaa7520_899796fc-1ab6-ed87-096b-4f10b915033c_e8d8727e-02f3-1a80-54c3-f87750a8c4de_6e5b2ac7-688a-4a18-9695-a31e8139fa0f_b3dad3e4-0853-1041-fa46-2e9d6598a584_fc29d27f-7342-9cf3-c2b5-a04f30605f03_a66bb9d1-7095-dfc6-5a12-849441da475c_1b0ca1a3-6da9-0dbf-9932-198c9f68caeb_ef11258b-15d1-8dab-81d5-8d18bc3234bc_11339d5d-cf04-22ad-4987-06a506090313_176b8afa-bab9-e793-c91f-d22b5a134b6e_8031d0e3-4981-8dbc-2504-bbd5121027b7_3f0c3b77-e132-00a5-3afc-9a2f141e9eae_aebeacd9-6349-54aa-9608-cb67eadc2d17_0cdb912f-7479-061d-e4f3-bea46f10a753_343d1ae8-c6c4-87d3-af9d-4720b6ea8f34_a905814f-2c84-2cd4-839e-5634cc0cc383_190a3885-bf35-9fab-6806-86ce81df76f6_ce476de2-91bf-768d-12f6-b1345b17f832_e35b6b5f-66da-dedc-3f00-745165d9153a_469a8551-3011-f265-8b8f-5929dc69c497_231e982f-bc28-22b5-18b9-ebc1a95cda77_8d201127-f918-1e83-e351-2a4cfe180e11_130bbc6f-56bb-c89f-2fed-aaf3523924f7
- <https://mem.gfx.ms/me/MeControl/9.0.15280.1/en-US/me.min.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://microsoft.com/>
- <http://www.microsoft.com/>
- <http://www.microsoft.com/en-us/>

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 95.1KiB (71% reduction).

- Compressing http://c.s-microsoft.com/en-us/CMSScripts/script.jsx?k=9ec5cf5a-1af6-fe90-f4c-c-1a38d7d1d275_9992692b-e27c-3fdb-ff69-c9e41c46b294_517a7087-9636-e078-8b13-a173049192f5_4c905457-169a-061a-e153-0372577f2998_742bd11f-3d7c-9955-3df5-f02b66689699_525283c5-3d35-4dd2-5a96-acaf933fab61_49488e0d-6ae2-5101-c995-f4d56443b1d8_2ac79f2c-0420-95d2-d38c-1864e2b5b992_38aa9ffb-ddb5-75be-6536-a58628f435f5_4ca0e9dc-a4de-17ba-f0de-d1d346cb99e2_06310cd8-41c6-3b11-4645-b4884789ed70_5c27e8aa-9347-969e-39ac-37a4de428a8d_6c1db848-51f4-78cc-9217-a2f64d1244b2_64c742e2-b29c-b6c1-fdd9-accf33ec40bd_cf2ceca9-3467-a5b3-d095-68958eee6d4c_cec39dd8-f1d3-56f1-abfc-a7db34ff7b46_ec5fa2c9-3950-ff57-a5c3-1fa77e0db190_d19f9592-65df-bcc9-e30e-439b875c3381_fe475a6c-9678-c252-1f6d-89be5c5350aa_8ac9e9d5-8856-903d-0809-dc1a02408ae0_becd928f-5c85-ef41-39e4-0261314a3996_cdf20e43-7f50-5e8c-4e0a-4cb16b90fa1a_946f76e1-b56b-490a-8fcb-87c9e37e0c22_b43de09e-58bf-6c8f-e286-0f3289bc5c60_7fdcd07e-c42d-8dfb-2a34-67fc04f3a447_abed9965-3a6f-804c-ce1c-41b1a43a3de6_4673f817-03d3-8cb3-d8e5-3309a5ac9c78_40c6c884-da6e-7c2c-081f-4a7dfe7c7245 could save 69.4KiB (71% reduction).
- Compressing http://c.s-microsoft.com/en-us/CMSScripts/script.jsx?k=26000e5d-5133-4171-5cbb-4622f4f7398d_f3c4a4eb-d525-0def-8753-f4835e2f9949_8c693876-7ed8-69ec-3e44-be17b34be6b9_93007181-29a3-a626-49b7-12b98955254f_4200337d-a1fd-0b86-7ace-60bb19a65c23_041f54d5-9d4c-1b87-9e7f-44db8acfcaa6_51077a6c-8fc6-7acc-1b57-af19d92ec422_193518ce-0483-747b-0dcd-e9e69355aee6 could save 22.7KiB (74% reduction).
- Compressing <https://c.s-microsoft.com/Static/UHF/Common/JS/respond.min.js> could save

Mobile

2.3KiB (51% reduction).

- Compressing <http://c.s-microsoft.com/en-us/CMSScripts/script.jsx?k=73f1b5e2-f232-8d8c-8508-273be99f6755> could save 711B (44% 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:

- <http://i.s-microsoft.com/library/svy/logo-stripe-short.gif> (40 seconds)
- <http://i.s-microsoft.com/library/svy/builder.js> (7.4 minutes)
- <http://i.s-microsoft.com/library/svy/broker.js> (7.5 minutes)
- <http://i.s-microsoft.com/library/svy/close.gif> (8.3 minutes)
- http://i.s-microsoft.com/library/svy/inv_c_p38796305-EN-US_M.js?1445797020771 (14.4 minutes)
- http://i.s-microsoft.com/library/svy/broker-config_M.js?1445797020768 (15 minutes)

Minify CSS

Compacting CSS code can save many bytes of data and speed up download and parse times.

[Minify CSS](#) for the following resources to reduce their size by 9.4KiB (34% reduction).

- Minifying http://c.s-microsoft.com/en-us/CMSStyles/style.csx?k=3c9ade18-bc6a-b6bd-84c3-fc69aaaa7520_899796fc-1ab6-ed87-096b-4f10b915033c_e8d8727e-02f3-1a80-54c3-f87750a8c4de_6e5b2ac7-688a-4a18-9695-a31e8139fa0f_b3dad3e4-0853-1041-fa46-2e9d6598a584_fc29d27f-7342-9cf3-c2b5-a04f30605f03_a66bb9d1-7095-dfc6-5a12-849441da475c_1b0ca1a3-6da9-0dbf-9932-198c9f68caeb_ef11258b-15d1-8dab-81d5-8d18bc3234bc_11339d5d-cf04-22ad-4987-06a506090313_176b8afa-bab9-e793-c91f-d22b5a134b6e_8031d0e3-4981-8dbc-2504-bbd5121027b7_3f0c3b77-e132-00a5-3afc-9a2f141e9eae_aebeacd9-6349-54aa-9608

Mobile

-cb67eadc2d17_0cdb912f-7479-061d-e4f3-bea46f10a753_343d1ae8-c6c4-87d3-af9d-4720b6ea8f34_a905814f-2c84-2cd4-839e-5634cc0cc383_190a3885-bf35-9fab-6806-86ce81df76f6_ce476de2-91bf-768d-12f6-b1345b17f832_e35b6b5f-66da-dedc-3f00-745165d9153a_469a8551-3011-f265-8b8f-5929dc69c497_231e982f-bc28-22b5-18b9-ebc1a95cda77_8d201127-f918-1e83-e351-2a4cfe180e11_130bbc6f-56bb-c89f-2fed-aaf3523924f7 could save 9.4KiB (34% reduction) after compression.

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 582B (3% reduction).

- Minifying <http://www.microsoft.com/en-us/> could save 582B (3% 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 9.6KiB (41% reduction).

- Minifying <http://i.s-microsoft.com/library/svy/broker.js> could save 4.3KiB (43% reduction) after compression.
- Minifying <http://i.s-microsoft.com/library/svy/builder.js> could save 3.4KiB (37% reduction) after compression.
- Minifying <https://assets.onestore.ms/cdnfiles/onestorerolling-1510-21005/store/blender/js/blender.js> could save 1.9KiB (43% reduction) after compression.

Mobile

Optimize images

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

[Optimize the following images](#) to reduce their size by 91.4KiB (25% reduction).

- Losslessly compressing <http://c.s-microsoft.com/en-us/CMSImages/Halo%205%20540x304px.jpg?version=5ee13b5f-f8fd-33c6-a9b9-94b230cd4d71> could save 34.8KiB (21% reduction).
- Losslessly compressing http://c.s-microsoft.com/en-us/CMSImages/HPV19_caret_sm_blue.png?version=8f018baa-9a3c-5002-5f6e-67f5a951e4df could save 26.3KiB (99% reduction).
- Losslessly compressing https://assets.onestore.ms/cdnfiles/onestorerolling-1510-21005/shell/v2_5/images/logo/microsoft.png could save 15.1KiB (93% reduction).
- Losslessly compressing http://c.s-microsoft.com/en-us/CMSImages/Win10_DevTools_1002_540x304_EN_US.png?version=2d4116be-a4e0-3986-2a90-f29218a28c62 could save 5.5KiB (50% reduction).
- Losslessly compressing http://c.s-microsoft.com/en-us/CMSImages/ms_footerlogo_symbol.png?version=ee37649c-b0fc-fb61-2145-208603a372db could save 1.6KiB (69% reduction).
- Losslessly compressing http://c.s-microsoft.com/en-us/CMSImages/skype_symbol.png?version=329162f4-4d39-4899-1232-40b0a4bfb87b could save 1.3KiB (42% reduction).
- Losslessly compressing http://c.s-microsoft.com/en-us/CMSImages/bing_symbol.png?version=5e8cc4ee-663c-5970-919e-9bc72fb1a2ec could save 1KiB (49% reduction).
- Losslessly compressing http://c.s-microsoft.com/en-us/CMSImages/nokia_symbol_clr_52x52.png?version=fcf4dd12-804c-280b-fe6c-3b3c9c71940c could save 978B (70% reduction).
- Losslessly compressing http://c.s-microsoft.com/en-us/CMSImages/RedBull_540x304.jpg?version=7b9c9df9-ea55-6e24-349b-f257321c22e1 could save 937B (2% reduction).
- Losslessly compressing http://c.s-microsoft.com/en-us/CMSImages/Srfc_Pro4AndBook_Mobile_1002_540x304_EN_US.jpg?version=6691cc7f-9015-0339-8679-26aecce2c3e9 could save 922B (4% reduction).
- Losslessly compressing http://c.s-microsoft.com/en-us/CMSImages/OneCmmrl_SpecOly_540x304_EN_US.jpg?version=165dac89-656d-0d68-2482-bb24d104b925 could save 897B (3% reduction).
- Losslessly compressing http://c.s-microsoft.com/en-us/CMSImages/surface_symbol.png?version=b6d37581-e678-3ad9-41c3-c20da72abe5f could save 778B (40% reduction).
- Losslessly compressing http://c.s-microsoft.com/en-us/CMSImages/msn_symbol_clr_52x52.png?version=0402c50c-7dd8-b940-c220-cccc6e24f498 could save 763B (40% reduction).

Mobile

- Losslessly compressing <http://i.s-microsoft.com/library/svy/logo-stripe-short.gif> could save 631B (22% reduction).

1 Passed Rules

Prioritize visible content

You have the above-the-fold content properly prioritized. Learn more about [prioritizing visible content](#).

92 / 100 User Experience

Consider Fixing:

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 `<button type="button" class="shell-header-toggle-search"></button>` is close to 1 other tap targets final.
- The tap target `<div class="text">Introducing Su...ePre-order now</div>` and 2 others are close to other tap targets final.
- The tap target `<div class="text">Windows 10. Th...e*Shop for PCs</div>` and 2 others are close to other tap targets final.
- The tap target `● 0` and 1 others are close to other tap targets final.
- The tap target `● 1` and 1 others are close to other tap targets final.
- The tap target `<div class="text">Inside the making of 'Halo 5'</div>` is close to 1 other tap

Mobile

targets.

- The tap target `<div class="text">Inside the making of 'Halo 5'</div>` and 5 others are close to other tap targets.
- The tap target `<div class="text-container">Inside the making of 'Halo 5'</div>` is close to 1 other tap targets.
- The tap target `<div class="box">How a Red Bull...ion challenges</div>` is close to 2 other tap targets.
- The tap target `Download Center` and 32 others are close to other tap targets.
- The tap target `` is close to 4 other tap targets final.
- The tap target `Privacy Statement` is close to 2 other tap targets final.



5 Passed Rules

Avoid app install interstitials that hide content

Your page does not appear to have any app install interstitials that hide a significant amount of content. Learn more about the importance of [avoiding the use of app install interstitials](#).

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](#).

Size content to viewport

Mobile

The contents of your page fit within the viewport. Learn more about [sizing content to the viewport](#).

Use legible font sizes

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

Desktop



68 / 100 Speed

Should Fix:

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

Your page has 10 blocking script resources and 4 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:](#)

- <http://ajax.aspnetcdn.com/ajax/jquery/jquery-1.7.2.min.js>
- <http://ajax.aspnetcdn.com/ajax/jquery.mobile/1.3.2/jquery.mobile-1.3.2.min.js>
- <http://c.webtrends.com/acs/account/ep4ka8v0wg/js/wt.js>

Desktop

- https://assets.onestore.ms/cdnfiles/onestorerolling-1510-21005/shell/common/js/shell_ie8.js
- <https://mem.gfx.ms/meversion?partner=retailstore&market=en-US>
- https://assets.onestore.ms/cdnfiles/onestorerolling-1510-21005/shell/generated/shellservice.v2_5.min.js
- <https://assets.onestore.ms/cdnfiles/onestorerolling-1510-21005/store/blender/js/blender.js>
- http://c.s-microsoft.com/en-us/CMSScripts/script.jsx?k=9ec5cf5a-1af6-fe90-f4cc-1a38d7d1d275_9992692b-e27c-3fdb-ff69-c9e41c46b294_517a7087-9636-e078-8b13-a173049192f5_4c905457-169a-061a-e153-0372577f2998_742bd11f-3d7c-9955-3df5-f02b66689699_525283c5-3d35-4dd2-5a96-acaf933fab61_49488e0d-6ae2-5101-c995-f4d56443b1d8_2ac79f2c-0420-95d2-d38c-1864e2b5b992_38aa9ffb-ddb5-75be-6536-a58628f435f5_4ca0e9dc-a4de-17ba-f0de-d1d346cb99e2_06310cd8-41c6-3b11-4645-b4884789ed70_5c27e8aa-9347-969e-39ac-37a4de428a8d_6c1db848-51f4-78cc-9217-a2f64d1244b2_64c742e2-b29c-b6c1-fdd9-accf33ec40bd_cf2ceca9-3467-a5b3-d095-68958eee6d4c_cec39dd8-f1d3-56f1-abfc-a7db34ff7b46_e5fa2c9-3950-ff57-a5c3-1fa77e0db190_d19f9592-65df-bcc9-e30e-439b875c3381_fe475a6c-9678-c252-1f6d-89be5c5350aa_8ac9e9d5-8856-903d-0809-dc1a02408ae0_becd928f-5c85-ef41-39e4-0261314a3996_cdf20e43-7f50-5e8c-4e0a-4cb16b90fa1a_946f76e1-b56b-490a-8fcb-87c9e37e0c22_b43de09e-58bf-6c8f-e286-0f3289bc5c60_7fdcd07e-c42d-8dfb-2a34-67fc04f3a447_abed9965-3a6f-804c-ce1c-41b1a43a3de6_4673f817-03d3-8cb3-d8e5-3309a5ac9c78_40c6c884-da6e-7c2c-081f-4a7dfe7c7245
- <https://c.s-microsoft.com/Static/UHF/Common/JS/respond.min.js>
- <http://c.s-microsoft.com/en-us/CMSScripts/script.jsx?k=73f1b5e2-f232-8d8c-8508-273be99f6755>

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

- https://assets.onestore.ms/cdnfiles/onestorerolling-1510-21005/shell/v2_5/scss/shell.min.css
- <https://assets.onestore.ms/cdnfiles/onestorerolling-1510-21005/shell/common/respond-proxy.html>
- http://c.s-microsoft.com/en-us/CMSStyles/style.csx?k=3c9ade18-bc6a-b6bd-84c3-fc69aaaa7520_899796fc-1ab6-ed87-096b-4f10b915033c_e8d8727e-02f3-1a80-54c3-f87750a8c4de_6e5b2ac7-688a-4a18-9695-a31e8139fa0f_b3dad3e4-0853-1041-fa46-2e9d6598a584_fc29d27f-7342-9cf3-c2b5-a04f30605f03_a66bb9d1-7095-dfc6-5a12-849441da475c_1b0ca1a3-6da9-0dbf-9932-198c9f68caeb_ef11258b-15d1-8dab-81d5-8d18bc3234bc_11339d5d-cf04-22ad-4987-06a506090313_176b8afa-bab9-e793-c91f-d22b5a134b6e_8031d0e3-4981-8dbc-2504-bbd5121027b7_3f0c3b77-e132-00a5-3afc-9a2f141e9eae_aebeacd9-6349-54aa-9608-cb67eadc2d17_0cdb912f-7479-061d-e4f3-bea46f10a753_343d1ae8-c6c4-87d3-af9d-4720b6ea8f34_a905814f-2c84-2cd4-839e-5634cc0cc383_190a3885-bf35-9fab-6806-86ce81df76f6_ce476de2-91bf-768d-12f6-b1345b17f832_e35b6b5f-66da-dedc-3f00-745165d9153a_469a8551-3011-f265-8b8f-5929dc69c497_231e982f-bc28-22b5-18b9-ebc1a95cda77_8d201127-f918-1e83-e351-2a4cfe180e11_130bbc6f-56bb-c89f-2fed-aaf3523924f7
- <https://mem.gfx.ms/me/MeControl/9.0.15280.1/en-US/me.min.css>

Optimize images

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

[Optimize the following images](#) to reduce their size by 161.7KiB (20% reduction).

- Compressing and resizing http://c.s-microsoft.com/en-us/CMSImages/OneCmmrl_SpecOly_540x304_EN_US.jpg?version=165dac89-656d-0d68-2482-bb24d104b925 could save 33.5KiB (92% reduction).
- Compressing and resizing http://c.s-microsoft.com/en-us/CMSImages/Win10_EntEval_0729_540x304_EN_US.jpg?version=a533c544-3486-74d3-5cc3-7d6a9959a2a6 could save 28.6KiB (87% reduction).
- Compressing and resizing http://c.s-microsoft.com/en-us/CMSImages/MMD_TCFamily_1006_540x304.jpg?version=573cddb8-8dd7-a5f9-932e-aa68e8de3b47 could save 22.3KiB (87% reduction).
- Compressing and resizing http://c.s-microsoft.com/en-us/CMSImages/Xbox_Himalaya_0831_540x304_EN_US.jpg?version=281ca6b6-a753-c424-61ea-6bc1fb5778cd could save 17.5KiB (91% reduction).
- Compressing and resizing https://assets.onestore.ms/cdnfiles/onestorerolling-1510-21005/shell/v2_5/images/logo/microsoft.png could save 15.3KiB (94% reduction).
- Compressing and resizing http://c.s-microsoft.com/en-us/CMSImages/MSBand_Gray_1006_540x304_EN_US.jpg?version=fc441a83-73ab-1cba-7a0b-9d7c75e6ae4c could save 14.4KiB (82% reduction).
- Compressing and resizing http://c.s-microsoft.com/en-us/CMSImages/Ofc_2016Gray_0820_540x304_EN_US.png?version=c6026639-123e-3e61-dee5-1b25788077a9 could save 7.5KiB (60% reduction).
- Compressing and resizing http://c.s-microsoft.com/en-us/CMSImages/Win10_DevTools_1002_540x304_EN_US.png?version=2d4116be-a4e0-3986-2a90-f29218a28c62 could save 7.1KiB (64% reduction).
- Compressing and resizing http://c.s-microsoft.com/en-us/CMSImages/VS_2015RTM_1002_540x304_EN_US.png?version=4939f27f-3f1a-1dd4-271c-94217cf0f266 could save 2.6KiB (34% reduction).
- Compressing and resizing http://c.s-microsoft.com/en-us/CMSImages/skype_symbol.png?version=329162f4-4d39-4899-1232-40b0a4bfb87b could save 2.2KiB (69% reduction).
- Losslessly compressing http://c.s-microsoft.com/en-us/CMSImages/ms_footerlogo_symbol.png?version=ee37649c-b0fc-fb61-2145-208603a372db could save 1.6KiB (69% reduction).
- Compressing and resizing http://c.s-microsoft.com/en-us/CMSImages/bing_symbol.png?version=5e8cc4ee-663c-5970-919e-9bc72fb1a2ec could save 1.5KiB (72% reduction).

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- Compressing and resizing http://c.s-microsoft.com/en-us/CMSImages/msn_symbol_clr_52x52.png?version=0402c50c-7dd8-b940-c220-cccc6e24f498 could save 1.2KiB (61% reduction).
- Compressing and resizing http://c.s-microsoft.com/en-us/CMSImages/nokia_symbol_clr_52x52.png?version=fcf4dd12-804c-280b-fe6c-3b3c9c71940c could save 1.1KiB (80% reduction).
- Losslessly compressing http://c.s-microsoft.com/en-us/CMSImages/Halo5_1920x720.jpg?version=64dfc067-255d-4aea-7005-36c43695549b could save 1.1KiB (1% reduction).
- Losslessly compressing http://c.s-microsoft.com/en-us/CMSImages/Win10_GA_1002_1920x720_EN_US.jpg?version=1004ec9a-0d3f-a380-3064-982bc229d4e7 could save 965B (1% reduction).
- Compressing and resizing http://c.s-microsoft.com/en-us/CMSImages/surface_symbol.png?version=b6d37581-e678-3ad9-41c3-c20da72abe5f could save 961B (50% reduction).
- Losslessly compressing http://c.s-microsoft.com/en-us/CMSImages/RedBull_1920x720.jpg?version=936b1dfc-7b22-3284-d0f5-6fa38ea79c4f could save 899B (1% reduction).
- Losslessly compressing http://c.s-microsoft.com/en-us/CMSImages/HPFeb15_caret_sm.png?version=1f91b1b5-9eb0-1437-8dd6-1503394536ed could save 868B (83% reduction).
- Compressing and resizing http://c.s-microsoft.com/en-us/CMSImages/xbox_symbol.png?version=8dc5af5f-c398-c2b1-1704-f327c77085c1 could save 723B (45% reduction).

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://microsoft.com/>
- <http://www.microsoft.com/>
- <http://www.microsoft.com/en-us/>

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 95.1KiB (71% reduction).

- Compressing http://c.s-microsoft.com/en-us/CMSScripts/script.jsx?k=9ec5cf5a-1af6-fe90-f4c-c-1a38d7d1d275_9992692b-e27c-3fdb-ff69-c9e41c46b294_517a7087-9636-e078-8b13-a173049192f5_4c905457-169a-061a-e153-0372577f2998_742bd11f-3d7c-9955-3df5-f02b66689699_525283c5-3d35-4dd2-5a96-acaf933fab61_49488e0d-6ae2-5101-c995-f4d56443b1d8_2ac79f2c-0420-95d2-d38c-1864e2b5b992_38aa9ffb-ddb5-75be-6536-a58628f435f5_4ca0e9dc-a4de-17ba-f0de-d1d346cb99e2_06310cd8-41c6-3b11-4645-b4884789ed70_5c27e8aa-9347-969e-39ac-37a4de428a8d_6c1db848-51f4-78cc-9217-a2f64d1244b2_64c742e2-b29c-b6c1-fdd9-accf33ec40bd_cf2ceca9-3467-a5b3-d095-68958eee6d4c_cec39dd8-f1d3-56f1-abfc-a7db34ff7b46_ec5fa2c9-3950-ff57-a5c3-1fa77e0db190_d19f9592-65df-bcc9-e30e-439b875c3381_fe475a6c-9678-c252-1f6d-89be5c5350aa_8ac9e9d5-8856-903d-0809-dc1a02408ae0_becd928f-5c85-ef41-39e4-0261314a3996_cdf20e43-7f50-5e8c-4e0a-4cb16b90fa1a_946f76e1-b56b-490a-8fcb-87c9e37e0c22_b43de09e-58bf-6c8f-e286-0f3289bc5c60_7fdcd07e-c42d-8dfb-2a34-67fc04f3a447_abed9965-3a6f-804c-ce1c-41b1a43a3de6_4673f817-03d3-8cb3-d8e5-3309a5ac9c78_40c6c884-da6e-7c2c-081f-4a7dfe7c7245 could save 69.4KiB (71% reduction).
- Compressing http://c.s-microsoft.com/en-us/CMSScripts/script.jsx?k=26000e5d-5133-4171-5cbb-4622f4f7398d_f3c4a4eb-d525-0def-8753-f4835e2f9949_8c693876-7ed8-69ec-3e44-be17b34be6b9_93007181-29a3-a626-49b7-12b98955254f_4200337d-a1fd-0b86-7ace-60bb19a65c23_041f54d5-9d4c-1b87-9e7f-44db8acfaa6_51077a6c-8fc6-7acc-1b57-af19d92ec422_193518ce-0483-747b-0dcd-e9e69355aee6 could save 22.7KiB (74% reduction).
- Compressing <https://c.s-microsoft.com/Static/UHF/Common/JS/respond.min.js> could save 2.3KiB (51% reduction).
- Compressing <http://c.s-microsoft.com/en-us/CMSScripts/script.jsx?k=73f1b5e2-f232-8d8c-8508-273be99f6755> could save 711B (44% 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.

[Desktop](#)

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

- <http://i.s-microsoft.com/library/svy/broker.js> (7.4 minutes)
- http://i.s-microsoft.com/library/svy/broker-config_s1.js?1445797029279 (14.6 minutes)

Minify CSS

Compacting CSS code can save many bytes of data and speed up download and parse times.

[Minify CSS](#) for the following resources to reduce their size by 9.4KiB (34% reduction).

- Minifying http://c.s-microsoft.com/en-us/CMSStyles/style.csx?k=3c9ade18-bc6a-b6bd-84c3-fc69aaaa7520_899796fc-1ab6-ed87-096b-4f10b915033c_e8d8727e-02f3-1a80-54c3-f87750a8c4de_6e5b2ac7-688a-4a18-9695-a31e8139fa0f_b3dad3e4-0853-1041-fa46-2e9d6598a584_fc29d27f-7342-9cf3-c2b5-a04f30605f03_a66bb9d1-7095-dfc6-5a12-849441da475c_1b0ca1a3-6da9-0dbf-9932-198c9f68caeb_ef11258b-15d1-8dab-81d5-8d18bc3234bc_11339d5d-cf04-22ad-4987-06a506090313_176b8afa-bab9-e793-c91f-d22b5a134b6e_8031d0e3-4981-8dbc-2504-bbd5121027b7_3f0c3b77-e132-00a5-3afc-9a2f141e9eae_aebeacd9-6349-54aa-9608-cb67eadc2d17_0cdb912f-7479-061d-e4f3-bea46f10a753_343d1ae8-c6c4-87d3-af9d-4720b6ea8f34_a905814f-2c84-2cd4-839e-5634cc0cc383_190a3885-bf35-9fab-6806-86ce81df76f6_ce476de2-91bf-768d-12f6-b1345b17f832_e35b6b5f-66da-dedc-3f00-745165d9153a_469a8551-3011-f265-8b8f-5929dc69c497_231e982f-bc28-22b5-18b9-ebc1a95cda77_8d201127-f918-1e83-e351-2a4cfe180e11_130bbc6f-56bb-c89f-2fed-aaf3523924f7 could save 9.4KiB (34% reduction) after compression.

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 583B (3% reduction).

- Minifying <http://www.microsoft.com/en-us/> could save 583B (3% 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 7.2KiB (39% reduction).

- Minifying <http://i.s-microsoft.com/library/svy/broker.js> could save 4.3KiB (43% reduction) after compression.
- Minifying <https://assets.onestore.ms/cdnfiles/onestorerolling-1510-21005/store/blender/js/blender.js> could save 1.9KiB (43% reduction) after compression.
- Minifying http://i.s-microsoft.com/library/svy/broker-config_s1.js?1445797029279 could save 967B (23% reduction) after compression.



1 Passed Rules

Prioritize visible content

You have the above-the-fold content properly prioritized. Learn more about [prioritizing visible content](#).