osano

Privacy Audit

for microsoft.com

Completed on: April 4, 1975

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✓	HTTPS by default	Yes
✗	Content Security Policy	Not implemented
✗	Referrer Policy	Referrers leaked
86	Cookies	86 (19 first-party; 67 third-party)
124	Third-party requests	124 requests to 44 unique hosts
🌐	Server location	United States of America
<··>	Server IP address	23.46.60.173

✓ HTTPS by default

`www.microsoft.com` uses HTTPS by default.

Osano's automated web browser reports the following:

State	Title	Summary	Description
✓	Certificate	valid and trusted	The connection to this site is using a valid, trusted server certificate issued by Microsoft IT TLS CA 4.
✓	Connection	secure connection settings	The connection to this site is encrypted and authenticated using TLS 1.2, ECDHE_RSA with P-256, and AES_256_GCM.
✓	Resources	all served securely	All resources on this page are served securely.

More information about the site's TLS/SSL configuration:

- Analyze www.microsoft.com on SSL Labs
- Observatory by Mozilla
- Mozilla TLS Observatory
- testssl.sh

HTTPS encrypts nearly all information sent between a client and a web service. Properly configured, it guarantees three things:

- **Confidentiality**. The visitor's connection is encrypted, obscuring URLs, cookies, and other sensitive metadata.
- **Authenticity**. The visitor is talking to the "real" website, and not to an impersonator or through a "man-in-the-middle".
- **Integrity**. The data sent between the visitor and the website has not been tampered with or modified.

A plain HTTP connection can be easily monitored, modified, and impersonated. Every unencrypted HTTP request reveals information about a user's behavior, and the interception and tracking of unencrypted browsing has become commonplace.

The goal of the Internet community is to establish encryption as the norm, and to phase out unencrypted connections.

GDPR: Rec. 83, Art. 5.1.f, Art. 25, Art. 32.1
By GDPR Art. 25, a controller is responsible for implementing state of the art data protection by design and by default. Encrypted connections are a well-established technology to protect the privacy of web visitors against eavesdroppers on the wire.

✓ HTTP Strict Transport Security (HSTS)

HSTS policy for https://www.microsoft.com:
`max-age=31536000`

Pass	Test
✓	`max-age` set to at least 6 months
✗	`includeSubDomains` — policy also applies to subdomains
–	`preload` — requests inclusion in preload lists (only relevant for base domain)

Base domain (https://microsoft.com) HSTS status unknown.

HTTP Strict Transport Security (HSTS) is a simple and widely supported standard to protect visitors by ensuring that their browsers always connect to a website over HTTPS. HSTS exists to remove the need for the common, insecure practice of redirecting users from `http://` to `https://` URLs.

When a browser knows that a domain has enabled HSTS, it does two things:

- Always uses an `https://` connection, even when clicking on an `http://` link or after typing a domain into the location bar without specifying a protocol.
- Removes the ability for users to click through warnings about invalid certificates.

A domain instructs browsers that it has enabled HSTS by returning an HTTP header over an HTTPS connection.

✕ Content Security Policy

Content Security Policy (CSP) header not implemented.

Content Security Policy (CSP) is an added layer of security that helps to detect and mitigate certain types of attacks, including Cross Site Scripting (XSS) and data injection attacks. These attacks are used for everything from data theft to site defacement to distribution of malware.

A primary goal of CSP is to mitigate and report XSS attacks. XSS attacks exploit the browser's trust of the content received from the server. Malicious scripts are executed by the victim's browser because the browser trusts the source of the content, even when it's not coming from where it seems to be coming from.

CSP makes it possible for server administrators to reduce or eliminate the vectors by which XSS can occur by specifying the domains that the browser should consider to be valid sources of executable scripts. A CSP compatible browser will then only execute scripts loaded in source files received from those whitelisted domains, ignoring all other script (including inline scripts and event-handling HTML attributes).

GDPR: Rec. 83, Art. 5.1.f, Art. 25, Art. 32.2
GDPR Art. 32.2 makes clear that measures should be taken against unauthorized disclosure of, or access to, personal data transmitted, stored or otherwise processed. CSP is a relatively simple way of ensuring that your web visitors do not end up being put in contact with someone that either they - or you - did not anticipate for them to contact.

✗ Referrer Policy

Referrer Policy not set. This means that the default value `no-referrer-when-downgrade`, leaking referrers in many situations, is used.

When you click on a link, your browser will typically send the HTTP referer [sic] header to the webserver where the destination webpage is at. The header contains the full URL of the page you came from. This lets sites see where traffic comes from. The header is also sent when external resources (such as images, fonts, JS and CSS) are loaded.

The referrer header is privacy nightmare as it allows websites and services to track you across the web and learn about your browsing habits (and thus possibly private, sensitive information), particularly when combined with cookies.

By setting a Referrer Policy, it's possible for websites to tell browsers to not leak referrers. Referrer Policy lets you specify a policy that's applied to all links clicked, as well as all other requests generated by the page (images, JS, etc.).

GDPR: Rec. 83, Art. 5.1.c, Art. 25, Art. 32.2
Setting referrer policy is an easy way to do data minimization (Art. 5.1.f) and help ensure that you don't transfer or disclose personal data needlessly (Art. 32.2).

✗ Subresource Integrity (SRI)

Subresource Integrity (SRI) not implemented, and external resources are loaded over HTTP or use protocol-relative URLs via src="//...".

The following third-party resources are not loaded using SRI:

Type	URL
script	*https://cdnssl.clicktale.net/www/monitor-latest.js*
script	*https://cdnssl.clicktale.net/www/WR-latest.js*
script	*https://cdnssl.clicktale.net/www32/pcc/755cc4ab-c4bf-46d8-a608-d3c5d66fabac.js?DeploymentConfigName=...*
script	*https://mem.gfx.ms/meversion?partner=MSHomePage&market=en-us&uhf=1*
script	*//www.microsoft.com/onerfstatics/marketingsites-eas-prod/_h/9ae23327/mscom.statics/externalscripts/m...*
script	*https://cdnssl.clicktale.net/www32/ptc/755cc4ab-c4bf-46d8-a608-d3c5d66fabac.js*
script	*https://mem.gfx.ms/scripts/me/MeControl/10.19284.2/en-US/meCore.min.js*
script	*https://mem.gfx.ms/scripts/me/MeControl/10.19284.2/en-US/meBoot.min.js*
script	*//www.microsoft.com/onerfstatics/marketingsites-eas-prod/mscomhp/_scrf/js/themes=default/78-6f121b/1...*
script	*//www.microsoft.com/onerfstatics/marketingsites-eas-prod/mscomhp/_scrf/js/themes=default/d3-e6b21f/2...*
script	*//www.microsoft.com/onerfstatics/marketingsites-eas-prod/_h/46c44584/coreui.statics/externalscripts/...*
script	*https://cdnssl.clicktale.net/www/ChangeMonitor-latest.js*
css	*//www.microsoft.com/onerfstatics/marketingsites-eas-prod/west-european/mscomhp/_scrf/css/themes=defa...*

Subresource Integrity (SRI) is a security feature that enables browsers to verify that resources they fetch (for example, from a CDN) are delivered without unexpected manipulation. It works by allowing you to provide a cryptographic hash that a fetched resource must match.

Using Content Delivery Networks (CDNs) to host files such as scripts and stylesheets that are shared among multiple sites can improve site performance and conserve bandwidth. However, using CDNs also comes with a risk, in that if an attacker gains control of a CDN, the attacker can inject arbitrary malicious content into files on the CDN (or replace the files completely) and thus can also potentially attack all sites that fetch files from that CDN.

Subresource Integrity enables you to mitigate some risks of attacks such as this, by ensuring that the files your web application or web document fetches (from a CDN or anywhere) have been delivered without a third-party having injected any additional content into those files — and without any other changes of any kind at all having been made to those files.

GDPR: Rec. 83, Art. 5.1.f, Art. 25, Art. 32.2
This is an easy measure to take against unauthorized disclosure of, or access to, personal data transmitted, stored or otherwise processed.

HTTP headers

Pass	Header	Value	Result
✓	X-Content-Type-Options	nosniff	X-Content-Type-Options header set to "nosniff"
✓	X-Frame-Options	SAMEORIGIN	X-Frame-Options (XFO) header set to SAMEORIGIN or DENY
✓	X-XSS-Protection	1; mode=block	X-XSS-Protection header set to "1; mode=block"

The `X-Content-Type-Options` response HTTP header is a marker used by the server to indicate that the MIME types advertised in the Content-Type headers should not be changed and be followed. This allows to opt-out of MIME type sniffing, or, in other words, it is a way to say that the webmasters knew what they were doing.

The `X-Frame-Options` HTTP response header can be used to indicate whether or not a browser should be allowed to render a page in a `<frame>` , `<iframe>` or `<object>` . Sites can use this to avoid clickjacking attacks, by ensuring that their content is not embedded into other sites.

The HTTP `X-XSS-Protection` response header is a feature of Internet Explorer, Chrome and Safari that stops pages from loading when they detect reflected cross-site scripting (XSS) attacks. Although these protections are largely unnecessary in modern browsers when sites implement a strong `Content-Security-Policy` that disables the use of inline JavaScript (`'unsafe-inline'`), they can still provide protections for users of older web browsers that don't yet support CSP.

GDPR: Art. 5.1.c, Art. 5.1.f, Art. 25, Art. 32.1-2.
These headers can help minimize data disclosures.

Cookies

First-party cookies (19)

Domain	Name	Value	Expires	Http Only	Secure	Same Site
www.microsoft.com	ONERFSSO	1	session	✗	✗	✗
www.microsoft.com	isFirstSession	1	session	✓	✓	✗
.microsoft.com	MUID	3D9DAEF1B1366A092529...	2020-11-15 19:37:41Z	✗	✗	✗
www.microsoft.com	X-FD-FEATURES	ids=sfwaaa%2c1118t1%...	2020-10-22 19:37:48Z	✓	✓	✗
www.microsoft.com	X-FD-Time	1	2019-10-22 19:42:48Z	✓	✓	✗
www.microsoft.com	akacd_OneRF	1579549060~rv=38~id=...	2020-01-20 19:37:40Z	✗	✗	✗
.microsoft.com	MC1	GUID=baf59f08d598484...	2020-10-21 19:37:42Z	✗	✗	✗
.microsoft.com	MS0	fdbe219aa3be430abdb4...	2019-10-22 20:07:42Z	✗	✗	✗
www.microsoft.com	MSFPC	GUID=baf59f08d598484...	2020-10-21 19:37:40Z	✗	✗	✗
.c1.microsoft.com	SM	C	session	✗	✗	✗
.c1.microsoft.com	MR	0	2020-04-19 19:37:41Z	✗	✗	✗
.c1.microsoft.com	ANONCHK	0	2019-10-22 19:47:41Z	✗	✗	✗
.microsoft.com	AMCVS_EA76ADE95776D2...	1	session	✗	✗	✗
.microsoft.com	aamoptsegs	aam%3D10561851%2Caam...	2019-11-21 19:37:40Z	✗	✗	✗
.microsoft.com	AMCV_EA76ADE95776D2E...	-894706358%7CMCIDTS%...	2021-10-22 19:37:40Z	✗	✗	✗
.microsoft.com	AAMC_mscom_0	AMSYNCSOP%7C411-1819...	2038-01-19 03:14:07Z	✗	✗	✗

Domain	Name	Value	Expires	Http Only	Secure	Same Site
.microsoft.com	graceIncr	0	session	✗	✗	✗
.www.microsoft.com	__CT_Data	gpv=1&ckp=cd&dm=www....	2020-10-21 19:37:41Z	✗	✗	✗
.www.microsoft.com	ctm	eydwZ3YnOjYyNzIwODgx...	2020-10-21 19:37:41Z	✗	✗	✗

Third-party cookies (67)

Domain	Name	Value	Expires	Http Only	Secure	Same Site
image2.pubmatic.com	f5_cspm	1234	session	✗	✗	✗
cdnssl.clicktale.net	ClicktaleCECVisitorI...	4788694857660258	2020-10-22 19:37:41Z	✗	✗	✗
cdnssl.clicktale.net	ClicktaleCECVisitID	4300661688203979	2019-10-22 19:47:41Z	✗	✗	✗
.login.live.com	uaid	f56a187305a14d368c06...	session	✓	✓	✗
.bing.com	MUID	3D9DAEF1B1366A092529...	2020-11-15 19:37:41Z	✗	✗	✗
.c.bing.com	MR	0	2020-04-19 19:37:41Z	✗	✗	✗
.c.bing.com	SRM_B	3D9DAEF1B1366A092529...	2020-11-15 19:37:41Z	✗	✗	✗
.c.bing.com	SRM_I	3D9DAEF1B1366A092529...	2020-11-15 19:37:41Z	✗	✗	✗
.demdex.net	demdex	44805055474509604814...	2020-04-19 19:37:44Z	✗	✗	✗
.everesttech.net	everest_g_v2	g_surferid~Xa9ahAAAG...	2021-10-21 19:37:41Z	✗	✗	✗
.everesttech.net	everest_session_v2	Xa9ahAAAGMokvBGW	session	✗	✗	✗
.dpm.demdex.net	dpm	44805055474509604814...	2020-04-19 19:37:44Z	✗	✗	✗
.adnxs.com	uuid2	3235769608827419036	2020-01-20 19:37:44Z	✓	✗	✗

Domain	Name	Value	Expires	Http Only	Secure	Same Site
.mathtag.com	uuid	72e95daf-5364-4d00-b...	2020-11-18 19:37:41Z	✗	✗	✗
.rlcdn.com	rlas3	AFCbmA3k+zGDe6TXxnL0...	2020-10-21 19:37:41Z	✗	✓	✗
.mathtag.com	uuidc	vjZSmpXrIGkduZ1R5QLo...	2020-11-18 19:37:41Z	✗	✗	✗
.rlcdn.com	pxrc	CIW1ve0FEgUI6AcQABIG...	2019-12-21 19:37:41Z	✗	✓	✗
.doubleclick.net	IDE	AHWqTUmO3l67IqflcZJv...	2021-10-21 19:37:41Z	✓	✗	✗
.media6degrees.com	clid	2pzsjut01171kgwi60er...	2020-04-19 19:37:42Z	✗	✗	✗
.media6degrees.com	acs	012020k1pzsjutxzt10	2020-04-19 19:37:42Z	✗	✗	✗
.twitter.com	personalization_id	"v1_UezIIHJLNE2pWFm3...	2021-10-21 19:37:42Z	✗	✗	✗
.rfihub.com	rud	H4sIAAAAAAAAAOMSsjQ3...	2020-11-15 19:37:41Z	✗	✗	✗
.rfihub.com	ruds	H4sIAAAAAAAAAOMSsjQ3...	session	✗	✗	✗
.rfihub.com	eud	H4sIAAAAAAAAAFvFxGto...	2020-11-15 19:37:41Z	✗	✗	✗
.adsrvr.org	TDID	e96f5bf1-8498-468d-8...	2020-10-22 19:37:42Z	✗	✗	✗
.adsrvr.org	TDCPM	CAESEgoDYWFtEgsIupnS...	2020-10-22 19:37:42Z	✗	✗	✗
.quantserve.com	d	EJ4BDAHqHrmvYA	2020-01-20 19:37:42Z	✗	✗	✗
.quantserve.com	mc	5daf5a85-dde68-17139...	2020-11-21 19:37:42Z	✗	✗	✗
.c.bing.com	ANONCHK	1	2019-10-22 19:47:42Z	✗	✗	✗
c.bing.com	MUIDB	3D9DAEF1B1366A092529...	2020-11-15 19:37:42Z	✓	✗	✗
.flashtalking.com	flashtalkingad1	"GUID=431225229CF05B...	2021-10-21 19:37:42Z	✗	✗	✗

Domain	Name	Value	Expires	Http Only	Secure	Same Site
.yahoo.com	B	0f4q695equmk6&b=3&s=...	2020-10-21 19:37:42Z	✗	✗	✗
.tribalfusion.com	ANON_ID	avnr6itMPmFbTgUpMDGl...	2020-01-20 19:37:42Z	✗	✗	✗
.owneriq.net	si	Q6250594621709686907	2024-10-20 19:37:43Z	✗	✗	✗
.owneriq.net	p2	adpq	2019-11-01 19:37:43Z	✗	✗	✗
.postrelease.com	visitor	c224e4e9-5983-4377-9...	2020-10-21 19:37:43Z	✗	✓	✗
.postrelease.com	status	1	2020-10-21 19:37:43Z	✗	✓	✗
.reson8.com	RCID2	3EC2C6424E98D2AB37D3...	2020-10-22 19:37:43Z	✗	✗	✗
bttrack.com	GLOBALID	2uKlc8-sIBd987FnXwTB...	2021-10-22 19:37:43Z	✗	✗	✗
.3lift.com	tluid	5505858153682399316	2020-01-20 19:37:43Z	✗	✗	✗
.adentifi.com	adtheorent[cuid]	cuid_6a5652e5-f503-1...	2021-10-22 19:37:42Z	✗	✗	✗
rtb.adentifi.com	adtheorent[cuid]	cuid_6a5652e5-f503-1...	session	✗	✗	✗
.surveywall-api.survata.com	svResp	b85b0696-6253-d128-c...	2020-04-22 19:37:43Z	✗	✗	✗
.crwdcntrl.net	_cc_dc	0	2020-07-18 19:07:00Z	✗	✗	✗
.crwdcntrl.net	_cc_id	229bbaaf2c4b972ef056...	2020-07-18 19:07:00Z	✗	✗	✗
.crwdcntrl.net	_cc_cc	"ACZ4nGNQMDKyTEpKTEw...	2020-07-18 19:37:43Z	✗	✗	✗
.crwdcntrl.net	_cc_aud	"ABR4nGNgYGCIXR%2FVz...	2020-07-18 19:37:43Z	✗	✗	✗
.rubiconproject.com	audit	UV0UXQogOazlVuaXIMBM...	2020-10-21 19:37:44Z	✗	✗	✗
.rubiconproject.com	khaos	K2293LOB-1X-KXCW	2020-10-21 19:37:44Z	✗	✗	✗

Domain	Name	Value	Expires	Http Only	Secure	Same Site
.casalemedia.com	CMID	Xa9ah9HM5aAAAEw96NcA...	2020-10-21 19:37:44Z	✗	✗	✗
.casalemedia.com	CMPS	2988	2020-01-20 19:37:44Z	✗	✗	✗
.casalemedia.com	CMPRO	939	2020-01-20 19:37:44Z	✗	✗	✗
.casalemedia.com	CMST	Xa9ah12vWocA	2019-10-23 19:37:44Z	✗	✗	✗
.casalemedia.com	CMRUM3	585daf5a872760Xa9ahA...	2020-10-21 19:37:44Z	✗	✗	✗
.adnxs.com	anj	dTM7k!M4.FErk#WF']wI...	2020-01-20 19:37:44Z	✓	✗	✗
.openx.net	i	22503993-f1ef-45e0-8...	2020-10-21 19:37:44Z	✗	✗	✗
.pubmatic.com	KRTBCOOKIE_218	4056-Xa9ahAAAGMokuxG...	2020-01-20 19:37:44Z	✗	✗	✗
.pubmatic.com	PugT	1571773063	2019-11-21 19:37:44Z	✗	✗	✗
.pubmatic.com	PUBMDCID	2	2020-01-20 19:37:44Z	✗	✗	✗
.spotxchange.com	audience	6aff82bf-f503-11e9-9...	2020-10-21 20:44:24Z	✗	✗	✗
.taboola.com	t_gid	92db0f3e-f68b-4f56-b...	2020-10-21 19:37:44Z	✗	✗	✗
.demdex.net	dextp	269-1-1571773060972|...	2020-04-19 19:37:44Z	✗	✗	✗
.amazon-adsystem.com	ad-id	A-qf5TY_gE2trrSe8ZnB...	2020-07-01 19:37:44Z	✓	✗	✗
.amazon-adsystem.com	ad-privacy	0	2025-01-01 19:37:44Z	✓	✗	✗
.srv.stackadapt.com	sa-user-id	s%3A0-6aba7585-a03c-...	2024-10-20 19:37:44Z	✗	✗	✗
.srv.stackadapt.com	sa-user-id-v2	s%3A0-6aba7585-a03c-...	2024-10-20 19:37:44Z	✗	✗	✗
.login.live.com	MSPRequ	id=74335&lt=15717730...	session	✓	✓	✗

Http Only means that the cookie can only be read by the server, and not by JavaScript on the client. This can mitigate XSS (cross-site scripting) attacks.

Secure means that the cookie will only be sent over a secure channel (HTTPS). This can mitigate MITM (man-in-the-middle) attacks.

Same Site can be used to instruct the browser to only send the cookie when the request is originating from the same site. This can mitigate CSRF (cross-site request forgery) attacks.

GDPR: Rec. 60, Rec. 61, Rec. 69, Rec. 70, Rec. 75, Rec. 78, Art. 5.1.a, Art. 5.1.c, Art. 5.1.e, Art. 21, Art. 22, Art. 32.

e-PD (2002/58/EC). Rec. 24, 25, Art. 5.2.

e-PD revised (2009/136/EC). Rec. 65, 66.

localStorage

localStorage used:

Key	Value
ct.ls.1571773061199.1752196	{"v":1,"type":1,"item":{"sid":6272088150490719,"cr...

Like with cookies, **web storage** can be used to store data in a user's browser. Unlike cookies, web storage data is not sent with HTTP requests: it can only be directly set and accessed by the user's browser (through JavaScript). Compared to cookies, the storage capacity is much larger.

There are two types: *localStorage* data is persistent (not removed when the browser is closed) and never expires, while *sessionStorage* data is removed when the page session ends (unlike with session cookies, a sessionStorage session is *per window/tab*).

This can be used to track and profile users by simply using JavaScript to read a user's storage data and send it to a server.

GDPR: Same as for cookies above.

Third-party requests

124 requests (124 secure, 0 insecure) to **44** unique hosts.

A third-party request is a request to a domain that's not *microsoft.com* or one of its subdomains.

Host	IP	Country	Classification
login.live.com	40.90.23.153	US	Content (Microsoft)
cdnssl.clicktale.net	23.1.138.44	US	Analytics (ClickTale)
rtd-tm.everesttech.net	151.101.250.49	US	Advertising (Adobe)
dsum-sec.casalemedia.com	23.195.65.245	US	Advertising (Casale Media)
sync-tm.everesttech.net	151.101.250.49	US	Advertising (Adobe)
mem.gfx.ms	23.218.148.45	US	
image2.pubmatic.com	162.248.19.147	US	Advertising (PubMatic)
rtd.tubemogul.com	151.101.250.49	US	Advertising (TubeMogul)
bcp.crwdcntrl.net	52.4.111.14	US	Analytics (Lotame)
analytics.twitter.com	104.244.42.67	US	Disconnect (Twitter)
conductor.clicktale.net	52.86.38.4	US	Analytics (ClickTale)
cms.analytics.yahoo.com	74.6.137.78	US	
a.tribalfusion.com	104.116.248.33	US	Advertising (Exponential Interactive)
img-prod-cms-rt-microsoft-com.akamaized.net	23.63.244.41	US	
cm.everesttech.net	192.243.250.58	US	Advertising (Adobe)
c.s-microsoft.com	23.36.33.96	US	
sync.mathtag.com	216.200.232.114	US	Fingerprinting (MediaMath)
s.amazon-adsystem.com	52.46.130.13	US	Advertising (Amazon.com)
cm.g.doubleclick.net	172.217.9.194	US	Disconnect (Google)
www.facebook.com	31.13.66.35	IE	Disconnect (Facebook)
mscom.demdex.net	3.219.104.43	US	Advertising (Adobe)
bttrack.com	192.132.33.46	US	Advertising (Bidtellect)
dmpsync.3lift.com	52.207.115.93	US	Advertising (TripleLift)

Host	IP	Country	Classification
ib.adnxs.com	68.67.179.165	US	Advertising (AppNexus)
sync.search.spotxchange.com	192.35.249.127	US	Advertising (SpotXchange)
idsync.rlcdn.com	35.190.72.21	US	Advertising (Rapleaf)
px.surveywall-api.survata.com	52.86.39.135	US	Advertising (Survata)
us-u.openx.net	35.244.186.129	US	Fingerprinting (OpenX)
ds.reson8.com	151.101.202.49	US	Advertising (Resonate)
ing-district.clicktale.net	34.225.189.105	US	Analytics (ClickTale)
pixel.quantserve.com	192.184.68.252	US	Advertising (Quantcast)
px.owneriq.net	23.46.188.62	US	Advertising (OwnerIQ)
match.adsrvr.org	52.3.199.47	US	Advertising (The Trade Desk)
idpix.media6degrees.com	204.2.197.211	US	Advertising (m6d)
rtb.adentifi.com	3.218.205.246	US	
sync.srv.stackadapt.com	52.7.188.62	US	Advertising (StackAdapt)
trc.taboola.com	151.101.206.2	US	Advertising (Taboola)
servedby.flashtalking.com	205.185.216.42	US	Advertising (Flashtalking)
jadserve.postrelease.com	54.80.117.178	US	Advertising (Nativo)
logincdn.msauth.net	13.107.246.10	US	
c.bing.com	204.79.197.200	US	Content (Microsoft)
pixel.rubiconproject.com	8.43.72.97	US	Advertising (RubiconProject)
dpm.demdex.net	18.210.34.44	US	Advertising (Adobe)
p.rfihub.com	199.38.167.128	US	Advertising (Rocket Fuel)

GDPR: Rec. 69, Rec. 70, Art. 5.1.b-c, Art. 25.

Server location

The server **www.microsoft.com** (23.46.60.173) appears to have been located in **United States of America** during our test.

Some sites use CDNs – content delivery networks – in which case the server location might vary depending on the location of the visitor. This privacy scanner, is currently on a server in the United States.

Under the GDPR, all EU/EEA countries are considered equally trustworthy, so there is no particular reason under the GDPR to consider any EU country more or less reliable or desirable than any other. The importance of the location of a server comes into play only under GDPR Art. 23, Restrictions, where member states may invoke a number of reasons, notably national security, that enable them to void protections for visitors or web service providers.

For non-EU/EEA territories, it depends (GDPR Art. 44). For a website, transfers will probably have to rely on adequacy decisions (Art. 45) made by the European Commission when a third territory has been deemed to have appropriate data protection safe guards in its legislation. However, adequacy decisions cannot always be trusted, as demonstrated in the EU Court of Justice 2015 (C-362/14). Binding corporate rules (Art. 47) or standard clauses (Art. 46) may also be used to transfer data, but in the absence of rulings by courts and data protection authorities this is still legally uncertain territory.

Raw headers

Header	Value
access-control-allow-methods	HEAD,GET,POST,PATCH,PUT,OPTIONS
cache-control	no-cache, no-store, no-transform
content-encoding	gzip
content-length	39687
content-type	text/html; charset=utf-8
date	Tue, 22 Oct 2019 19:37:40 GMT
expires	-1
ms-cv	aGHIho9grkqLvmuy.0
ms-operation-id	f13294bd87df714aad9b7b67f9ba7f29
p3p	CP="CAO CONi OTR OUR DEM ONL"
pragma	no-cache
set-cookie	isFirstSession=1; path=/; secure; HttpOnly MUID=3D9DAEF1B1366A092529A30CB0FE6B7A; domain=.microsoft.com; expires=Fri, 22-Oct-2021 19:37:39 GMT; path=/; secure X-FD-FEATURES=ids=sfwaaa%2c1118t1%2c1493t1%2c143c%2c326t1%2c1622c%2c1120c%2c485t1a%2c534t1%2c1674t%2c1108c%2c1224c%2c1700c%2c706t1%2ctasmigration010%2ccartemberpl&imp=a86d0bff-7321-4337-8678-36e6d6950880; expires=Thu, 22-Oct-2020 19:37:39 GMT; path=/; secure; HttpOnly X-FD-Time=1; expires=Tue, 22-Oct-2019 19:42:39 GMT; path=/; secure; HttpOnly akacd_OneRF=1579549060~rv=38~id=ae2711e662f45b7c6f4e7963a61856a6; path=/; Expires=Mon, 20 Jan 2020 19:37:40 GMT akacd_OneRF=1579549060~rv=38~id=ae2711e662f45b7c6f4e7963a61856a6; path=/; Expires=Mon, 20 Jan 2020 19:37:40 GMT
status	200
strict-transport-security	max-age=31536000
tls_version	tls1.2
vary	Accept-Encoding
x-activity-id	a86d0bff-7321-4337-8678-36e6d6950880
x-appversion	1.0.7219.30936
x-az	{did:92e7dc58ca2143cfb2c818b047cc5cd1, rid: OneDeployContainer, sn: marketingsites-prod-odeastasia, dt: 2018-05-03T20:14:23.4188992Z, bt: 2019-10-08T01:11:12.0000000Z}
x-content-type-options	nosniff

Header	Value
x-edgeconnect-midmile-rtt	5
x-edgeconnect-origin-mex-latency	323
x-frame-options	SAMEORIGIN
x-rtag	RT
x-ua-compatible	IE=Edge;chrome=1
x-xss-protection	1; mode=block