

Scores and weightings for .auCheck WEBTEST

Last updated: February 2022

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|-----------------|-----------------------------------|------------------------|
| STATUS_FAIL = | mandatory test, will impact score | essential or important |
| STATUS_INFO = | informational, no impact on score | recommended |
| STATUS_NOTICE = | optional, no impact on score | suggested |

ENCRYPTION AND AUTHENTICITY OF WEB SERVER

HTTPS

| | | | |
|--|--------------------|----|-------------|
| Does your website support secure connections? | HTTPS available | | Essential |
| N/A | | 0 | STATUS_FAIL |
| Does your website force using secure connections? | HTTPS redirect | | Essential |
| WEB_TLS_FORCED_HTTPS_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_FAIL |
| WEB_TLS_FORCED_HTTPS_NO_HTTP = | FULL_WEIGHT_POINTS | 10 | |
| WEB_TLS_FORCED_HTTPS_BAD = | NO_POINTS | 0 | |
| Does your website prevent use of insecure methods to reduce bandwidth? | HTTP compression | | Recommended |
| WEB_TLS_HTTP_COMPRESSION_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_INFO |
| WEB_TLS_HTTP_COMPRESSION_BAD = | NO_POINTS | 0 | |
| Does your website remind repeat visitors to use a secure connection? | HSTS | | Recommended |
| WEB_TLS_HSTS_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_INFO |
| WEB_TLS_HSTS_PARTIAL = | LESS_WEIGHT_POINTS | 5 | |
| WEB_TLS_HSTS_BAD = | NO_POINTS | 0 | |

TLS

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| Is your web server using modern encryption standards? | TLS version | | Essential |
| WEB_TLS_PROTOCOLS_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_FAIL |
| WEB_TLS_PROTOCOLS_OK = | HALF_WEIGHT_POINTS | 5 | |
| WEB_TLS_PROTOCOLS_BAD = | NO_POINTS | 0 | |
| Does your web server use sufficiently strong encryption algorithms? | Cipher suites | | Important |
| WEB_TLS_SUITES_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_FAIL |
| WEB_TLS_SUITES_OK = | HALF_WEIGHT_POINTS | 5 | |
| WEB_TLS_SUITES_BAD = | NO_POINTS | 0 | |
| Does your web server enforce the most secure method of encryption? | Cipher order | | Important |
| WEB_TLS_CIPHER_ORDER_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_FAIL |
| WEB_TLS_CIPHER_ORDER_OK = | HALF_WEIGHT_POINTS | 5 | |
| WEB_TLS_CIPHER_ORDER_BAD = | NO_POINTS | 0 | |

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| Does your web server use up-to-date methods to match encryption keys? | key exchange parameters | | Important |
| WEB_TLS_FS_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_FAIL |
| WEB_TLS_FS_OK = | HALF_WEIGHT_POINTS | 5 | |
| WEB_TLS_FS_BAD = | NO_POINTS | 0 | |
| Does your web server certificate meet security recommendations for encryption algorithms? | hash function for key exchange | | Important |
| WEB_TLS_KEX_HASH_FUNC_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_FAIL |
| WEB_TLS_KEX_HASH_FUNC_OK = | HALF_WEIGHT_POINTS | 5 | |
| WEB_TLS_KEX_HASH_FUNC_BAD = | NO_POINTS | 0 | |
| Does your web server disable insecure encryption options? | TLS compression | | Important |
| WEB_TLS_COMPRESSION_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_FAIL |
| WEB_TLS_COMPRESSION_BAD = NO_POINTS | NO_POINTS | 0 | |
| Does your web server disable the setup of insecure encryptions? | secure renegotiation | | Important |
| WEB_TLS_SECURE_RENEG_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_FAIL |
| WEB_TLS_SECURE_RENEG_BAD | NO_POINTS | 0 | |
| Does your web server disable the setup of insecure encryption? | Client-initiated renegotiation | | Important |
| WEB_TLS_CLIENT_RENEG_GOOD = FULL_WEIGHT_POINTS | FULL_WEIGHT_POINTS | 10 | STATUS_FAIL |
| WEB_TLS_CLIENT_RENEG_BAD | NO_POINTS | 0 | |
| 0-RTT | 0-RTT | | Suggested |
| WEB_TLS_ZERO_RTT_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_NOTICE |
| WEB_TLS_ZERO_RTT_BAD | NO_POINTS | 0 | |
| OCSP Stapling | OCSP Stapling | | Suggested |
| WEB_TLS_OCSP_STAPLING_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_NOTICE |
| WEB_TLS_OCSP_STAPLING_OK = | FULL_WEIGHT_POINTS | 10 | |
| WEB_TLS_OCSP_STAPLING_BAD = | NO_POINTS | 0 | |
| Certificate | | | |
| Can visitors verify your website is using a trusted certificate? | trust chain of certificate | | Essential |
| WEB_TLS_TRUSTED_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_FAIL |
| WEB_TLS_TRUSTED_BAD = | NO_POINTS | 0 | |
| Does your web server certificate meet security recommendations for encryption? | public key | | Essential |
| WEB_TLS_PUBKEY_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_FAIL |
| WEB_TLS_PUBKEY_OK = | FULL_WEIGHT_POINTS | 10 | |
| WEB_TLS_PUBKEY_BAD | NO_POINTS | 0 | |
| Does your web server certificate meet security recommendations for encryption? | signature of certificate | | Essential |
| WEB_TLS_SIGNATURE_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_FAIL |
| WEB_TLS_SIGNATURE_BAD | NO_POINTS | 0 | |

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| Does your website certificate have the right domain set up on it? | domain name on certificate | | Essential |
| WEB_TLS_HOSTMATCH_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_FAIL |
| WEB_TLS_HOSTMATCH_BAD = | NO_POINTS | 0 | |

DANE

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|---|--------------------|----|---------------|
| Can your visitors use domain name records to check they can trust your website? | DANE existence | | Suggested |
| N/A | | | STATUS_NOTICE |
| Are your certificates properly set up in your domain name server? | DANE validity | | Suggested |
| WEB_TLS_DANE_VALIDATED = | FULL_WEIGHT_POINTS | 10 | STATUS_NOTICE |
| WEB_TLS_DANE_NONE = | NO_POINTS | 0 | |
| WEB_TLS_DANE_NONE_BOGUS = | NO_POINTS | 0 | |
| WEB_TLS_DANE_FAILED = | NO_POINTS | 0 | |

Security of Domain Name / DNS SECURITY

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| Is your website set up to allow a visitor to check it's authentic? | DNSSEC existence | | Suggested |
| N/A | | | |
| Is your website set up correctly so visitor know it's authentic? | DNSSEC validity | | Suggested |
| WEB_DNSSEC_SECURE = | FULL_WEIGHT_POINTS | 10 | STATUS_NOTICE |
| WEB_DNSSEC_INSECURE = | LESS_WEIGHT_POINTS | 2 | |
| WEB_DNSSEC_BOGUS = | NO_POINTS | 0 | |
| WEB_DNSSEC_ERROR = | NO_POINTS | 0 | |

WEB APPLICATIONS SECURITY

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| Is your website protected against being framed by another website? | X-Frame-Options | | Recommended |
| WEB_APPSECPRIV_X_FRAME_OPTIONS_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_INFO |
| WEB_APPSECPRIV_X_FRAME_OPTIONS_BAD = | NO_POINTS | 0 | |
| | X-Content-Type-Options | | Recommended |
| WEB_APPSECPRIV_X_CONTENT_TYPE_OPTIONS_GOOD | FULL_WEIGHT_POINTS | 10 | STATUS_INFO |
| WEB_APPSECPRIV_X_CONTENT_TYPE_OPTIONS_BAD | NO_POINTS | 0 | |
| Does your website protect visitors against external unauthorised content? | Content-Security-Policy existence | | Recommended |
| WEB_APPSECPRIV_CONTENT_SECURITY_POLICY_GOOD | FULL_WEIGHT_POINTS | 10 | STATUS_INFO |
| WEB_APPSECPRIV_CONTENT_SECURITY_POLICY_BAD | NO_POINTS | 0 | |
| Does your website protect visitors from disclosing information on their browsing history? | Referrer Policy | | Recommended |
| WEB_APPSECPRIV_REFERRER_POLICY_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_INFO |
| WEB_APPSECPRIV_REFERRER_POLICY_BAD = | FULL_WEIGHT_POINTS | 0 | |

IPv6

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| Can the IPv6 address of your name server be reached? | IPv6 address name servers | | Suggested |
| N/A | | | STATUS_NOTICE |

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| Do the IPv6 address of your name servers work? | IPv6 reachability name servers | | Suggested |
| IPV6_NS_CONN_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_NOTICE |
| IPV6_NS_CONN_PARTIAL = | LESS_WEIGHT_POINTS | 2 | |
| IPV6_NS_CONN_FAIL = | NO_POINTS | 0 | |
| Do the name servers provide your contacts with an IPv6 address for your website? | IPv6 address web server | | Suggested |
| N/A | | | STATUS_NOTICE |
| Do the IPv6 addresses of your web servers work? | IPv6 reachability web server | | Suggested |
| WEB_IPV6_WS_CONN_GOOD = | FULL_WEIGHT_POINTS | 10 | STATUS_NOTICE |
| WEB_IPV6_WS_CONN_PARTIAL = | LESS_WEIGHT_POINTS | 2 | |
| WEB_IPV6_WS_CONN_FAIL = | NO_POINTS | 0 | |
| Does your website show the same information using IPv6 and IPv4? | Same website IPv6-IPv4 | | Suggested |
| WEB_IPV6_WS_SIMHASH_OK = | LESS_WEIGHT_POINTS | 2 | STATUS_NOTICE |
| WEB_IPV6_WS_SIMHASH_FAIL = | NO_POINTS | 0 | |

Max amount of points available **252**