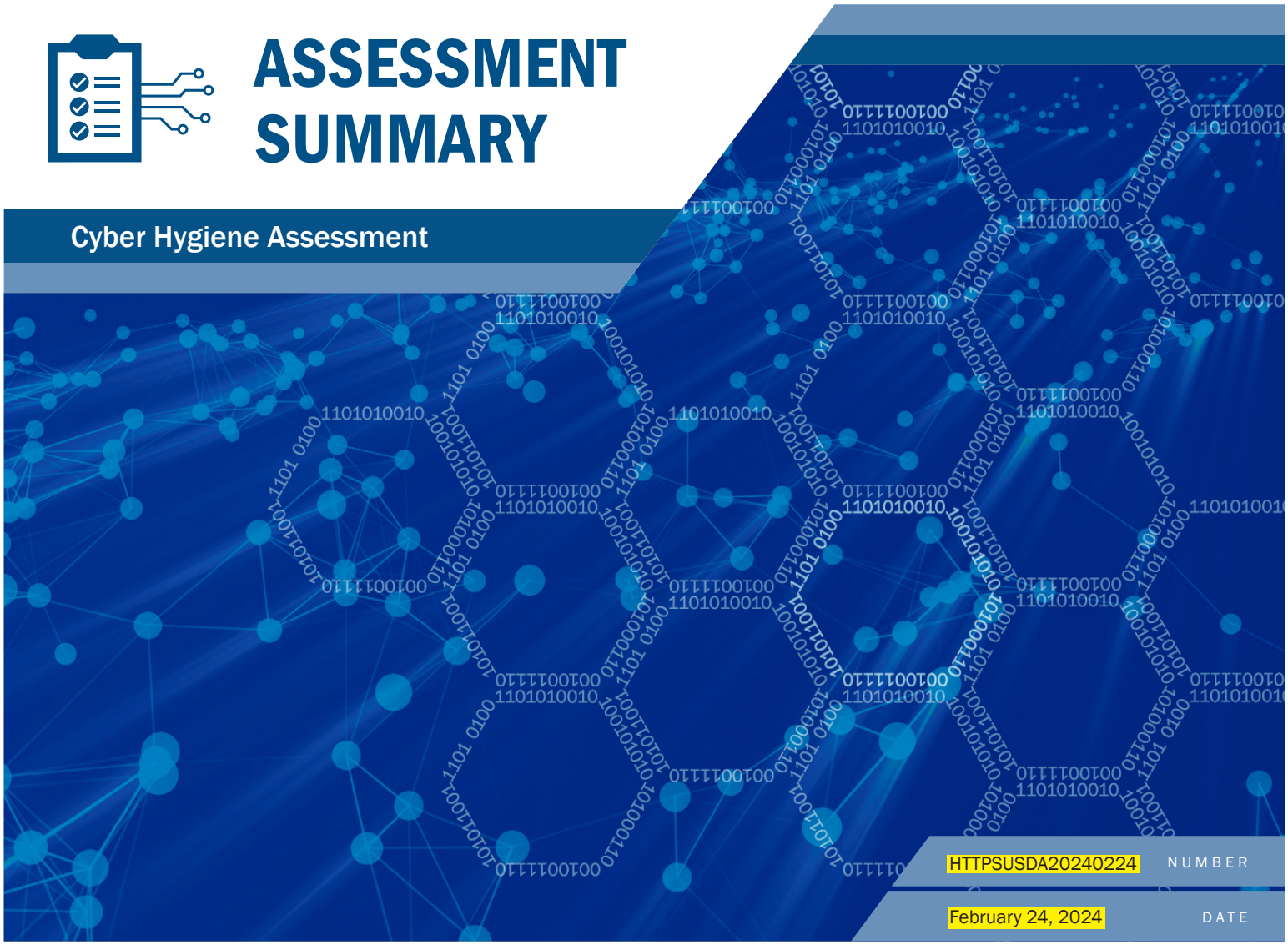
ASSESSMENT SUMMARY

Cyber Hygiene Assessment



HTTPSUSDA20240224 NUMBER

February 24, 2024 DATE

HTTPS Report

U.S. Department of Agriculture

CISA
CYBER+INFRASTRUCTURE

Contents

Page

1 Executive Summary **3**

Overview . . . 3

2 Results **4**

Results . . . 4

Field Descriptions . . . 35

Uses HTTPS . . . 35

Enforces HTTPS . . . 35

Uses Strong Strict Transport Security (HSTS) . . . 35

Free of SSLv2, SSLv3, 3DES, RC4 . . . 36

BOD 18-01 Web Compliant . . . 36

Preloaded . . . 36

Replace Symantec SSL Cert . . . 36

3 Background **37**

What are the web security requirements of BOD 18-01? . . . 37

What else should I do? . . . 37

Resources . . . 38

Learn . . . 38

Get Help . . . 38

4 Methodology **39**

What domains are measured? . . . 39

What trust store is CISA using? . . . 39

5 Attachments **39**

Executive Summary

Hypertext Transfer Protocol (HTTP) connections can be easily monitored, modified, and impersonated; HTTPS remedies each vulnerability. HTTP Strict Transport Security (HSTS) ensures that browsers always use an https:// connection, and removes the ability for users to click through certificate-related warnings.

In 2015, OMB M-15-13 required all existing Federal websites and web services to be accessible through a secure connection (HTTPS-only, with HSTS). In 2017, the .gov registry began automatically preloading new federal .gov domains as HSTS-only in modern browsers. Federal agencies must make more progress on HTTPS and HSTS deployment, including by removing support for known-weak cryptographic protocols and ciphers.

This weekly report, created by the Cybersecurity and Infrastructure Security Agency (CISA), is intended to assist your agency to comply with the web security aspects of Binding Operational Directive (BOD) 18-01. Implementation guidance can be found at https://cyber.dhs.gov/guide and https://https.cio.gov. This report also helps agencies to "preload" their domains to better enforce the protections BOD 18-01 requires.

Overview

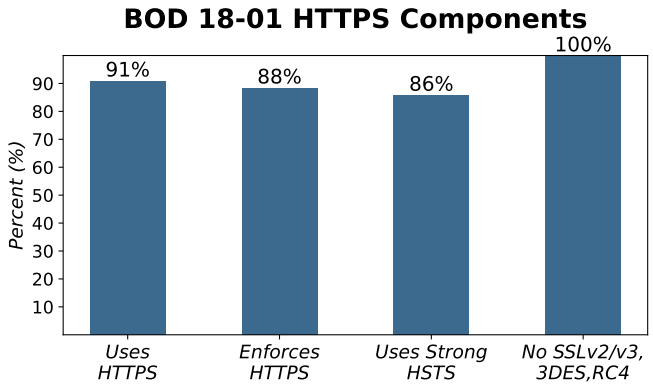
We measure the presence and enforcement of HTTPS for your agency's publicly-accessible .gov domains. **This report includes all agency-registered second-level .gov domains and known subdomains**, collectively referred to as "hostnames" in this document (see the Methodology section for a description of how these hostnames are collected). Hostnames which do nothing but redirect to other websites *are* measured. Hostnames that did not respond to HTTP/HTTPS requests are considered 'non-web' and are removed from the compliance figures below.

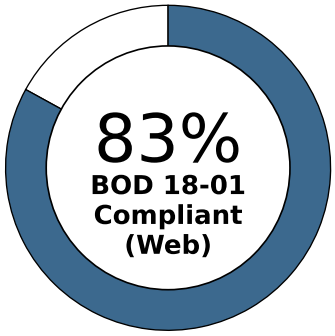
U.S. Department of Agriculture owns 31 second-level .gov domains and CISA discovered 2,881 subdomains. Of these, **659 hostnames responded to HTTP/HTTPS requests over the public Internet:**

- 25 second-level .gov domains
- 634 subdomains

Of *659 hostnames that respond to HTTP/HTTPS*:

- **600** hostnames (91.0%) have HTTPS enabled
- **583** hostnames (88.5%) default to HTTPS
- **566** hostnames (85.9%) use Strong HSTS
- **659** hostnames (100.0%) do not support SSLv2, SSLv3, 3DES, or RC4
- **547** hostnames (83.0%) are BOD 18-01 Compliant for web security





Results

The following table shows where each U.S. Department of Agriculture domain falls along the spectrum of BOD 18-01 web security compliance and whether the domain is preloaded. To be BOD 18-01 web compliant, a domain must meet all of the following: 'Uses HTTPS', 'Enforces HTTPS', 'Uses Strong Strict Transport Security (HSTS)', 'Free of SSLv2, SSLv3, 3DES, RC4'. Definitions of the field values are in "Field Descriptions", after the table below.

BOD 18-01 includes **all domains and subdomains that are publicly reachable over HTTP/HTTPS**, regardless of whether those hostnames are in practice only used internally. An exception is made for domains used exclusively for Online Certificate Status Protocol (OCSP), which can be excluded from the BOD 18-01 requirements by adding them to this CSV file. Such domains appear in the table below followed by an asterisk, and their scores *are not* included as part of the BOD 18-01 compliance calculations.

Subdomains of domains that are HSTS preloaded are not shown below; preloading ensures those domains' compliance with the HTTPS-only requirement of BOD 18-01. All known subdomains are included in the attachment `pshtt-results.csv`.

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
22007apply.gov	✓	✓	✓	✓	✓	✓	*No*
aff.gov	✓	✓	✓	✓	✓	✗	*No*
dev.aff.gov	✓	✓	✓	✓	✓		*No*
ag.gov *Not Live*	*N/A*	*N/A*	*N/A*	*N/A*	✓	✗	*No*
apps.tucson.ars.ag.gov	✓	✓	✗	✓	✗		*No*
dss.tucson.ars.ag.gov	✓	✓	✗	✓	✗		*No*
gears.tucson.ars.ag.gov	✓	✓	✗	✓	✗		*No*
tucson.ars.ag.gov	✓	✓	✓	✓	✓		*No*
ars-grin.gov	✗ *Bad hostname*	✗	✗	✓	✗	✗	*No*
npgsweb.ars-grin.gov	✓	✓	✓	✓	✓		*No*
nt.ars-grin.gov	✓	✓	✓	✓	✓		*No*
training.ars-grin.gov	✓	✓	✓	✓	✓		*No*
arsusda.gov *Not Live*	*N/A*	*N/A*	*N/A*	*N/A*	✓	✗	*No*
aipl.arsusda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
biopreferred.gov	✓	✓	✓	✓	✓	✓	*No*
bosque.gov	✓	✓	✓	✓	✓	✗	*No*
choosemyplate.gov	✓	✓	✓	✓	✓	✗	*No*
connect.gov	✓	✓	✓	✓	✓	✓	*No*
dietaryguidelines.gov	✓	✓	✓	✓	✓	✗	*No*
empowhr.gov *Not Live*	*N/A*	*N/A*	*N/A*	*N/A*	✓	✗	*No*
train.empowhr.gov	✓	✓	✓	✓	✓		*No*
usda.empowhr.gov	✓	✓	✓	✓	✓		*No*
execsec.gov	✓	✓	✓	✓	✓	✗	*No*
farmerfairness.gov	✓	✓	✓	✓	✓	✓	*No*
farmers.gov	✓	✓	✓	✓	✓	✓	*No*
fedsfeedfamilies.gov *Not Live*	*N/A*	*N/A*	*N/A*	*N/A*	✓	✗	*No*
forestsandrangelands.gov	✓	✓	✓	✓	✓	✗	*No*
invasivespeciesinfo.gov	✓	✓	✓	✓	✓	*Preload-ready**	*No*
search.invasivespeciesinfo.gov	✓	✓	✓	✓	✓		*No*
itap.gov	✓	✓	✓	✓	✓	*Preload-ready**	*No*
lcacommons.gov	✓	✓	✓	✓	✓	*Preload-ready**	*No*
uslci.lcacommons.gov	✗ *Bad hostname*	✗	✗	✓	✗		*No*
myplate.gov	✓	✓	✓	✓	✓	✗	*No*
nafri.gov	✓	✓	✓	✓	✓	✗	*No*
nutrition.gov	✓	✗	✓	✓	✗	✗	*No*
nwcg.gov	✓	✓	✓	✓	✓	✗	*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
egp.nwcg.gov	✓	✓	✓	✓	✓		*No*
eistest.nwcg.gov	✓	✓	✓	✓	✓		*No*
eisuite-app.nwcg.gov	✓	✓	✓	✓	✓		*No*
eisuite-dev7.nwcg.gov	✓	✓	✓	✓	✓		*No*
eisuite.nwcg.gov	✓	✓	✓	✓	✓		*No*
famit.nwcg.gov	✓	✓	✓	✓	✓		*No*
famprod.nwcg.gov	✓	✓	✓	✓	✓		*No*
famtest2.nwcg.gov	✓	✓	✓	✓	✓		*No*
icbs-prod.nwcg.gov	✓	✓	✓	✓	✓		*No*
icbs-qa.nwcg.gov	✓	✓	✓	✓	✓		*No*
icbs-trng.nwcg.gov	✓	✓	✓	✓	✓		*No*
incitest.nwcg.gov	✓	✓	✓	✓	✓		*No*
inciweb.nwcg.gov	✓	✓	✓	✓	✓		*No*
iqcs.nwcg.gov	✓	✓	✓	✓	✓		*No*
iqcsgold.nwcg.gov	✓	✓	✓	✓	✓		*No*
iqcsweb.nwcg.gov	✓	✓	✓	✓	✓		*No*
isuite.nwcg.gov	✓	✓	✓	✓	✓		*No*
iwfirp-dev.nwcg.gov	✓	✓	✓	✓	✓		*No*
iwfirp-qa.nwcg.gov	✓	✓	✓	✓	✓		*No*
iwfirp.nwcg.gov	✓	✓	✓	✓	✓		*No*
maps.nwcg.gov	✓	✓	✓	✓	✓		*No*
nap.nwcg.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
ois-qt.nwcg.gov	✓	✓	✓	✓	✓		*No*
ois.nwcg.gov	✓	✓	✓	✓	✓		*No*
onlinetraining.nwcg.gov	✓	✓	✓	✓	✓		*No*
reports-qt.nwcg.gov	✓	✓	✓	✓	✓		*No*
reports.nwcg.gov	✓	✓	✓	✓	✓		*No*
road.nwcg.gov	✓	✓	✓	✓	✓		*No*
training.nwcg.gov	✓	✓	✓	✓	✓		*No*
wfdss-qa.nwcg.gov	✓	✓	✓	✓	✓		*No*
wfmrda.nwcg.gov	✓	✓	✓	✓	✓		*No*
rec.gov	✓	✓	✓	✓	✓	✗	*No*
recreation.gov	✓	✓	✓	✓	✓	✗	*No*
beta.recreation.gov	✓	✓	✓	✓	✓		*No*
cdn.beta.recreation.gov	✓	✓	✓	✓	✓		*No*
cdn.recreation.gov	✓	✓	✓	✓	✓		*No*
manage-cdn.recreation.gov	✓	✓	✓	✓	✓		*No*
manage.recreation.gov	✓	✓	✓	✓	✓		*No*
partners.recreation.gov	✓	✓	✓	✓	✓		*No*
ridb.recreation.gov	✓	✓	✓	✓	✓		*No*
rural.gov	✓	✓	✓	✓	✓	✓	*No*
symbols.gov	✓	✗	✓	✓	✗	✗	*No*
usda.gov	✓	✓	✓	✓	✓	✗	*No*
aapcofc0viedge.aphis.usda.gov	✗	✗	✗	✓	✗		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
aasm-le.cert.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
aasm.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
acms.aphis.usda.gov	✓	✓	✗	✓	✗		*No*
acrt.ocfo.usda.gov	✓	✗	✓	✓	✗		*No*
acsl.ars.usda.gov	✗	✗	✗	✓	✗		*No*
adc.nal.usda.gov	✓	✓	✓	✓	✓		*No*
agcensus.usda.gov	✓	✓	✗	✓	✗		*No*
agclass.nal.usda.gov	✓	✓	✓	✓	✓		*No*
agcounts.usda.gov	✓	✓	✗	✓	✗		*No*
agcountsbeta.nass.usda.gov	✓	✓	✗	✓	✗		*No*
age.edc.usda.gov	✓	✓	✓	✓	✓		*No*
aglab-prod.arsnet.usda.gov	✓	✓	✓	✓	✓		*No*
aglab.ars.usda.gov	✓	✓	✓	✓	✓		*No*
aglearn.usda.gov	✓	✓	✓	✓	✓		*No*
agresearchmag.ars.usda.gov	✓	✓	✓	✓	✓		*No*
agricola.nal.usda.gov	✓	✓	✓	✓	✓		*No*
ahat.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
aip.rma.usda.gov	✓	✓	✓	✓	✓		*No*
aiptest.rma.usda.gov	✓	✓	✓	✓	✓		*No*
airquality.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
ak.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
al.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
alert.fns.usda.gov	✓	✓	✓	✓	✓		*No*
alert.uat.fns.usda.gov	✓	✓	✓	✓	✓		*No*
alertdev.fns.usda.gov	✓	✓	✓	✓	✓		*No*
alf-integ.fns.usda.gov	✓	✓	✓	✓	✓		*No*
alf-preprod.fns.usda.gov	✓	✓	✓	✓	✓		*No*
alf-uat.fns.usda.gov	✓	✓	✓	✓	✓		*No*
alf.fns.usda.gov	✓	✓	✓	✓	✓		*No*
ams.stg.platform.usda.gov	✓	✓	✓	✓	✓		*No*
ams.usda.gov	✗ *Bad hostname*	✗	✗	✓	✗		*No*
aphis.usda.gov	✓	✓	✓	✓	✓		*No*
api.cert.eauth.usda.gov	✓	✓	✓	✓	✓		*No*
api.eauth.usda.gov	✓	✓	✓	✓	✓		*No*
api.ers.usda.gov	✓	✓	✓	✓	✓		*No*
api.nal.usda.gov	✓	✓	✓	✓	✓		*No*
apollo.nal.usda.gov	✓	✓	✓	✓	✓		*No*
apps.ams.usda.gov	✓	✓	✓	✓	✓		*No*
apps.fas.usda.gov	✓	✓	✓	✓	✓		*No*
apps.fs.usda.gov	✓	✓	✓	✓	✓		*No*
apps.fsa.usda.gov	✓	✓	✓	✓	✓		*No*
apps.training-conit.edc.usda.gov	✗	✗	✗	✓	✗		*No*
ar.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
arisapp.ars.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
arm.aphis.edc.usda.gov	✗	✗	✗	✓	✗		*No*
armdev.aphis.edc.usda.gov	✗	✗	✗	✓	✗		*No*
armdev2.aphis.edc.usda.gov	✗	✗	✗	✓	✗		*No*
armqa.aphis.edc.usda.gov	✗	✗	✗	✓	✗		*No*
armqa2.aphis.edc.usda.gov	✗	✗	✗	✓	✗		*No*
armtraining.aphis.edc.usda.gov	✗	✗	✗	✓	✗		*No*
armuat.aphis.edc.usda.gov	✗	✗	✗	✓	✗		*No*
ars.usda.gov	✓	✓	✓	✓	✓		*No*
asa1-evpneast.usda.gov	✓	✓	✓	✓	✓		*No*
asa1-evpnwest.usda.gov	✓	✓	✓	✓	✓		*No*
asa2-evpneast.usda.gov	✓	✓	✓	✓	✓		*No*
asa2-evpnwest.usda.gov	✓	✓	✓	✓	✓		*No*
asa3-evpneast.usda.gov	✓	✓	✓	✓	✓		*No*
asa3-evpnwest.usda.gov	✓	✓	✓	✓	✓		*No*
ascr.usda.gov	✓	✓	✓	✓	✓		*No*
assurancenet.fsis.usda.gov	✓	✓	✓	✓	✓		*No*
audioarchives.oc.usda.gov	✓	✓	✓	✓	✓		*No*
autodiscover.usda.gov	✗	✗	✗	✓	✗		*No*
avena.pw.usda.gov	✓	✓	✗	✓	✗		*No*
az.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
bi.wbscm.usda.gov	✓	✓	✓	✓	✓		*No*
blogs.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
bpm.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
brachypodium.pw.usda.gov	✗ *Expired certificate*	✗	✓	✓	✗		*No*
bsc.usda.gov	✓	✓	✓	✓	✓		*No*
ca.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
caehydralink.rma.usda.gov	✓	✓	✓	✓	✓		*No*
capitraining.nass.usda.gov	✓	✗	✗	✓	✗		*No*
capitrainingbeta.nass.usda.gov	✓	✓	✗	✓	✗		*No*
capitrainingtest.nass.usda.gov	✓	✗	✗	✓	✗		*No*
cbato.fas.usda.gov	✓	✓	✓	✓	✓		*No*
cems.ams.usda.gov	✗	✗	✗	✓	✗		*No*
cercla.ba.ars.usda.gov	✓	✓	✓	✓	✓		*No*
cert.eauth.usda.gov	✓	✓	✓	✓	✓		*No*
cert.mobilelinc.icam.usda.gov	✓	✓	✗ *Low max-age*	✓	✗		*No*
certevpn.usda.gov	✓	✓	✗	✓	✗		*No*
cgru.usda.gov	✓	✓	✓	✓	✓		*No*
chi-dc-panfw.oig.usda.gov	✓	✓	✓	✓	✓		*No*
ciao.fs2c.usda.gov	✓	✓	✓	✓	✓		*No*
citrus.pw.usda.gov	✗ *Expired certificate*	✗	✓	✓	✗		*No*
climatehubs.oce.usda.gov	✓	✓	✓	✓	✓		*No*
cms-prod.fsis.usda.gov	✓	✗	✓	✓	✗		*No*
cnpp.usda.gov	✓	✓	✓	✓	✓		*No*
co.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
cod.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
codesearch.arsnet.usda.gov	✓	✓	✓	✓	✓		*No*
cognos.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
cognosuat.aphis.usda.gov	✓	✓	✗	✓	✗		*No*
cowebtest01.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
cowebtest02.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
cps.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
cris.nifa.usda.gov	✓	✓	✓	✓	✓		*No*
ct.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
ctis.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
cuat.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
cvbpv-as2-dev.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
cvbpv-as2-prod.aphis.usda.gov	✓	✓	✗ *Low max-age*	✓	✗		*No*
cvbpv.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
da.usda.gov	✓	✓	✓	✓	✓		*No*
data.ers.usda.gov	✓	✓	✓	✓	✓		*No*
data.fs.usda.gov	✓	✓	✓	✓	✓		*No*
data.nal.usda.gov	✓	✓	✓	✓	✓		*No*
datagateway.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
datagateway.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
dca.edc.usda.gov	✓	✓	✓	✓	✓		*No*
dcs.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
de.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
dev.fas.usda.gov	✓	✓	✓	✓	✓		*No*
dguat.fns.edc.usda.gov	✓	✗	✓	✓	✗		*No*
digitop.nal.usda.gov	✓	✓	✓	✓	✓		*No*
directives.nrcs.usda.gov	✓	✓	✗	✓	✗		*No*
directives.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
disaster.fsa.usda.gov	✓	✓	✓	✓	✓		*No*
dm.usda.gov	✓	✓	✓	✓	✓		*No*
dmt.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
docdel.nal.usda.gov	✓	✓	✓	✓	✓		*No*
doj.wta.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
drnag.edc.usda.gov	✓	✓	✓	✓	✓		*No*
dshub.usda.gov	✓	✓	✗	✓	✗		*No*
dts.fsa.usda.gov	✓	✓	✓	✓	✓		*No*
dtz.fns.usda.gov	✓	✓	✓	✓	✓		*No*
easementstagingtool.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
eauth.usda.gov	✓	✓	✓	✓	✓		*No*
eauth.wip.edc.usda.gov	✓	✓	✓	✓	✓		*No*
ecat.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
economics.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
edrsng.fns.usda.gov	✓	✓	✓	✓	✓		*No*
efile.aphis.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
efoia-pal.usda.gov	✓	✓	✓	✓	✓		*No*
eforms.ams.usda.gov	✓	✓	✓	✓	✓		*No*
efotg.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
efotg.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
eft.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
eftupdate.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
eligibility.cert.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
eligibility.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
energytools.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
entellitrak.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
entellitrak.sc.egov.usda.gov	✗ *Expired certificate*	✗	✓	✓	✗		*No*
epdstest.edc.usda.gov	✓	✓	✓	✓	✓		*No*
eper.cert.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
eper.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
epermits-dr.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
epermits-preprod.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
epermits-qc.aphis.usda.gov	✗	✗	✗	✓	✗		*No*
epermits-uat.aphis.usda.gov	✗	✗	✗	✓	✗		*No*
epermits.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
eprints.nwisrl.ars.usda.gov	✓	✓	✓	✓	✓		*No*
erms.edc.usda.gov	✗	✗	✗	✓	✗		*No*
ers.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
esi.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
esis.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
esr.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
etas.hs.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
etas1.hs.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
etas2.hs.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
etde.usda.gov	✓	✓	✗	✓	✗		*No*
ethics.usda.gov	✓	✓	✓	✓	✓		*No*
etrap.aphis.edc.usda.gov	✗	✗	✗	✓	✗		*No*
etrapuat.aphis.edc.usda.gov	✗	✗	✗	✓	✗		*No*
evpn.usda.gov	✓	✓	✓	✓	✓		*No*
evpneast.usda.gov	✓	✓	✓	✓	✓		*No*
evpnwest.usda.gov	✓	✓	✓	✓	✓		*No*
ewebapp.rma.usda.gov	✓	✓	✓	✓	✓		*No*
ewp.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
extranet-portal.rma.usda.gov	✓	✓	✓	✓	✓		*No*
extranet4.rma.usda.gov	✓	✓	✓	✓	✓		*No*
faeis.usda.gov	✓	✓	✓	✓	✓		*No*
farmtoschoolcensus.fns.usda.gov	✓	✓	✓	✓	✓		*No*
fas.usda.gov	✓	✓	✓	✓	✓		*No*
fasrp.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
fasusdagov.stg.platform.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
fbci.usda.gov	✗ *Bad chain* *Bad hostname*	✗	✗	✓	✗		*No*
fdc.nal.usda.gov	✓	✓	✓	✓	✓		*No*
feline.pw.usda.gov	✓	✓	✓	✓	✓		*No*
fems.fs2c.usda.gov	✓	✓	✓	✓	✓		*No*
ffavors.edc.usda.gov	✓	✓	✓	✓	✓		*No*
ffavors.fns.usda.gov	✓	✓	✓	✓	✓		*No*
ffavorsrpt.edc.usda.gov	✓	✓	✓	✓	✓		*No*
ffsru.usda.gov	✗ *Bad hostname*	✗	✗	✓	✗		*No*
fgisonline.ams.usda.gov	✓	✓	✓	✓	✓		*No*
fl.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
fns.stg.platform.usda.gov	✗ *Bad chain* *Bad hostname*	✗	✗	✓	✗		*No*
fns.usda.gov	✓	✓	✓	✓	✓		*No*
foodbuyingguide.fns.usda.gov	✓	✓	✓	✓	✓		*No*
foodcomplaint.fsis.usda.gov	✓	✓	✓	✓	✓		*No*
forms.cert.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
forms.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
fpbinspections.ams.usda.gov	✓	✓	✓	✓	✓		*No*
fprs.fns.usda.gov	✓	✓	✓	✓	✓		*No*
fs.edc.usda.gov	✓	✓	✓	✓	✓		*No*
fs.usda.gov	✓	✓	✓	✓	✓		*No*
fsa.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
fsapps.fs2c.usda.gov	✓	✓	✓	✓	✓		*No*
fsis-dev.fsis.usda.gov	✓	✗	✓	✓	✗		*No*
fsis-prod.fsis.usda.gov	✓	✗	✓	✓	✗		*No*
fsis-test.fsis.usda.gov	✓	✗	✓	✓	✗		*No*
ga.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
gaf.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
gain.fas.usda.gov	✓	✓	✓	✓	✓		*No*
gaoepds0009.edc.usda.gov	✗ *Bad chain* *Bad hostname*	✗	✗	✓	✗		*No*
gdg.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
geo.fas.usda.gov	✓	✓	✓	✓	✓		*No*
geodata.nal.usda.gov	✓	✓	✓	✓	✓		*No*
geoservices.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
gis.apfo.usda.gov	✓	✓	✓	✓	✓		*No*
gisportal.ers.usda.gov	✓	✓	✓	✓	✓		*No*
glti.nrcs.usda.gov	✗	✗	✗	✓	✗		*No*
goaris.ars.usda.gov	✓	✓	✓	✓	✓		*No*
gp.fs2c.usda.gov	✓	✓	✓	✓	✓		*No*
grants.fms.usda.gov	✓	✓	✓	✓	✓		*No*
grants.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
grants.usda.gov	✓	✓	✓	✓	✓		*No*
grantsconnectoradmin.cert.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
grantsconnectoradmin.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
grantsqa.qa.fms.usda.gov	✓	✓	✓	✓	✓		*No*
greening.usda.gov	✗ *Bad hostname*	✗	✗	✓	✗		*No*
guarloan-le.cert.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
guarloan.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
gus.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
handle.nal.usda.gov	✓	✓	✓	✓	✓		*No*
hdwindex.fs2c.usda.gov	✓	✓	✓	✓	✓		*No*
healthybirds.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
help.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
help.wbscm.usda.gov	✓	✓	✓	✓	✓		*No*
horizon-dr.usda.gov	✓	✓	✓	✓	✓		*No*
hspd12.cert.usda.gov	✓	✓	✓	✓	✓		*No*
hspd12.usda.gov	✓	✓	✓	✓	✓		*No*
i5k.nal.usda.gov	✓	✓	✓	✓	✓		*No*
ia.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
id.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
il.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
in.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
inciweb.fs2c.usda.gov	✓	✓	✓	✓	✓		*No*
infosys.ars.usda.gov	✓	✓	✓	✓	✓		*No*
inside.fsis.usda.gov	✗ *Bad hostname*	✗	✗	✓	✗		*No*
internet-dotnet.fsa.usda.gov	✓	✓	✗	✓	✗		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
ipad.fas.usda.gov	✓	✗	✗	✓	✗		*No*
ipat.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
iphis.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
iphisuat.aphis.edc.usda.gov	✗	✗	✗	✓	✗		*No*
items.aphis.edc.usda.gov	✗	✗	✗	✓	✗		*No*
items.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
itsupport.ams.usda.gov	✓	✓	✓	✓	✓		*No*
iwgsc.nal.usda.gov	✓	✓	✓	✓	✓		*No*
kc-express.oig.usda.gov	✗ *Expired certificate*	✗	✓	✓	✗		*No*
kc-panfw.oig.usda.gov	✗ *Bad chain* *Bad hostname*	✗	✗	✓	✗		*No*
kc-vpn.oig.usda.gov	✓	✓	✓	✓	✓		*No*
ks.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
ky.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
la.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
landcare.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
lawgs-training.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
lawgs.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
legacy.rma.usda.gov	✓	✓	✓	✓	✓		*No*
lessons.fs2c.usda.gov	✓	✓	✓	✓	✓		*No*
lincpass.usda.gov	✓	✓	✓	✓	✓		*No*
lmsweb.nal.usda.gov	✗ *Bad hostname*	✗	✗	✓	✗		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
lod.nal.usda.gov	✓	✓	✓	✓	✓		*No*
lrftool.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
lsas.fsis.usda.gov	✓	✓	✓	✓	✓		*No*
ltar.ars.usda.gov	✓	✓	✗	✓	✗		*No*
lyris.nifa.usda.gov	✓	✓	✓	✓	✓		*No*
ma.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
mai.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
maps-stg.aphis.usda.gov	✓	✓	✗	✓	✗		*No*
maps.aphis.usda.gov	✓	✓	✗	✓	✗		*No*
marc.ars.usda.gov	✓	✓	✓	✓	✓		*No*
marketnews.usda.gov	✓	✓	✓	✓	✓		*No*
mars.ams.usda.gov	✓	✓	✗	✓	✗		*No*
marsapi.ams.usda.gov	✓	✓	✗ *Low max-age*	✓	✗		*No*
marsapidev.ams.usda.gov	✓	✓	✗	✓	✗		*No*
md.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
me.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
media.ars.usda.gov	✓	✓	✓	✓	✓		*No*
memsnextgen-preprod.fns.usda.gov	✓	✓	✓	✓	✓		*No*
memsnextgen.fns.usda.gov	✓	✓	✓	✓	✓		*No*
mi.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
mim.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
mitunnel.ent.usda.gov	✗ *Bad hostname*	✗	✗	✓	✗		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
mn.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
mo.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
mo10.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
mo14.nc.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
mo15.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
mortgageserv.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
mpr.ams.usda.gov	✓	✓	✗	✓	✗		*No*
mpr.datamart.ams.usda.gov	✓	✓	✗ *Low max-age*	✓	✗		*No*
ms.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
mt.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
my.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
my.usda.gov	✗ *Bad chain* *Bad hostname*	✗	✗	✓	✗		*No*
myforms.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
mymarketnews.ams.usda.gov	✓	✓	✗ *Low max-age*	✓	✗		*No*
mymarketnewsdev.ams.usda.gov	✓	✓	✗	✓	✗		*No*
myremote.nass.usda.gov	✓	✓	✓*	✓	✓		*No*
nad.usda.gov	✓	✓	✓	✓	✓		*No*
nag.edc.usda.gov	✓	✓	✓	✓	✓		*No*
nal.usda.gov	✓	✓	✓	✓	✓		*No*
naldc.nal.usda.gov	✓	✓	✓	✓	✓		*No*
nareeeab.ree.usda.gov	✓	✓	✓	✓	✓		*No*
nasis.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
nass.usda.gov	✓	✓	✗	✓	✗		*No*
nc.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
ncahappspub.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
ncgc.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
ncsslabdatamart.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
nd.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
ndcsmc.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
ne.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
nematode.ars.usda.gov	✓	✓	✓	✓	✓		*No*
nesr.usda.gov	✓	✓	✓	✓	✓		*No*
nesruat.fns.edc.usda.gov	✓	✗	✓	✓	✗		*No*
nestservices.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
new-training-conit.edc.usda.gov	✗	✗	✗	✓	✗		*No*
new.cloudvault.usda.gov	✓	✓	✓	✓	✓		*No*
newfarmers.usda.gov	✓	✓	✓	✓	✓		*No*
nfat.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
nfc.usda.gov	✓	✓	✓	✓	✓		*No*
nh.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
nifa.usda.gov	✓	✓	✓	✓	✓		*No*
nj.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
nm.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
nrcs.stg.platform.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
nrcsgeodata.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
nrcspad.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
nrrig.mwa.ars.usda.gov	✓	✓	✓	✓	✓		*No*
nrrl.ncaur.usda.gov	✓	✓	✓	✓	✓		*No*
nv.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
nvap.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
nwisrl.ars.usda.gov	✓	✓	✓	✓	✓		*No*
nwrc.ars.usda.gov	✓	✓	✓	✓	✓		*No*
nxdemo.cloudvault.usda.gov	✓	✓	✓	✓	✓		*No*
ny.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
oalj.oha.usda.gov	✓	✓	✓	✓	✓		*No*
oaljdecisions.dm.usda.gov	✗ *Bad hostname*	✗	✗	✓	✗		*No*
obpa.usda.gov	✓	✓	✓	✓	✓		*No*
ocfo.usda.gov	✓	✓	✓	✓	✓		*No*
ocio.usda.gov	✓	✓	✓	✓	✓		*No*
offices.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
offices.usda.gov	✓	✓	✓	✓	✓		*No*
oh.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
oha.usda.gov	✓	✓	✓	✓	✓		*No*
oip.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
ok.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
openagricola.nal.usda.gov	✓	✓	✓	✓	✓		*No*
or.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
organic.ams.usda.gov	✓	✓	✓	✓	✓		*No*
organicapi.ams.usda.gov	✓	✓	✓	✓	✓		*No*
organicroots.nal.usda.gov	✗ *Bad hostname*	✗	✗	✓	✗		*No*
origin-fsvdc.fs.usda.gov	✓	✓	✓	✓	✓		*No*
origin-phisazsvcuat1.fsis.usda.gov	✗ *Bad hostname*	✗	✗	✓	✗		*No*
origin.www.usda.gov	✗	✗	✗	✓	✗		*No*
outreach.usda.gov	✓	✓	✓	✓	✓		*No*
pa.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
partnerweb.usda.gov	✓	✗	✓	✓	✗		*No*
partnerweb16dev.usda.gov	✓	✓	✓	✓	✓		*No*
partnerweb16ppro.usda.gov	✓	✗	✓	✓	✗		*No*
partnerweb16pro.usda.gov	✗ *Bad hostname*	✗	✗	✓	✗		*No*
pat.fs2c.usda.gov	✓	✓	✓	✓	✓		*No*
pcit-training.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
pcit.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
pcitstaging.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
pecad.fas.usda.gov	✗	✗	✗	✓	✗		*No*
phis.fsis.usda.gov	✓	✓	✓	✓	✓		*No*
phiscert.fsis.usda.gov	✓	✗	✓	✓	✗		*No*
phisindsite.fsis.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
phisservices.fsis.usda.gov	✓	✓	✓	✓	✓		*No*
phissvccert.fsis.usda.gov	✓	✓	✓	✓	✓		*No*
phissvccert2.fsis.usda.gov	✓	✓	✓	✓	✓		*No*
phisuat.fsis.usda.gov	✗ *Bad hostname*	✗	✗	✓	✗		*No*
phytochem.nal.usda.gov	✓	✓	✓	✓	✓		*No*
pia.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
pix.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
plant-materials.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
planthardiness.ars.usda.gov	✓	✓	✓	✓	✓		*No*
plantpathology.ba.ars.usda.gov	✓	✓	✓	✓	✓		*No*
plants.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
plants.usda.gov	✓	✓	✓	✓	✓		*No*
pmp.errc.ars.usda.gov	✓	✓	✓	✓	✓		*No*
policy.nrcs.usda.gov	✓	✓	✗	✓	✗		*No*
portal.errc.ars.usda.gov	✓	✓	✓	✓	✓		*No*
portal.nifa.usda.gov	✓	✓	✓	✓	✓		*No*
portal.wbscm.usda.gov	✓	✓	✓	✓	✓		*No*
potato.pw.usda.gov	✗ *Expired certificate*	✗	✓	✓	✗		*No*
ppd.snp.fns.usda.gov	✓	✓	✓	✓	✓		*No*
pr.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
pracavgcost.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
preprod.assurancenet.fsis.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
primary.ers.usda.gov	✓	✓	✓	✓	✓		*No*
probes.pw.usda.gov	✓	✓	✓	✓	✓		*No*
processverified.usda.gov	✓	✓	✓	✓	✓		*No*
prod.ams.usda.gov	✓	✓	✓	✓	✓		*No*
prodwebnlb.rma.usda.gov	✓	✓	✓	✓	✓		*No*
professionalstandards.fns.usda.gov	✓	✓	✓	✓	✓		*No*
prohome.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
prohome.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
properties.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
prs.nifa.usda.gov	✓	✓	✓	✓	✓		*No*
pstrainingtracker.fns.usda.gov	✓	✓	✓	✓	✓		*No*
pubag.nal.usda.gov	✓	✓	✓	✓	✓		*No*
public.rma.usda.gov	✓	✓	✓	✓	✓		*No*
public01.rma.usda.gov	✓	✓	✓	✓	✓		*No*
pubmai.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
pvpo.ams.usda.gov	✗	✗	✗	✓	✗		*No*
pvpopreprod.ams.usda.gov	✗	✗	✗	✓	✗		*No*
quickstats.nass.usda.gov	✓	✓	✓	✓	✓		*No*
rd.stg.platform.usda.gov	✗ *Bad chain* *Bad hostname*	✗	✗	✓	✗		*No*
rd.usda.gov	✓	✓	✓	✓	✓		*No*
rd2.stg.platform.usda.gov	✗ *Bad chain* *Bad hostname*	✗	✗	✓	✗		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
rdapply.cert.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
rdapply.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
rdapply.usda.gov	✓	✓	✓	✓	✓		*No*
rdconstructionmanagement.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
rdgdwe.cert.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
rdgdwe.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
rdhomeloans.usda.gov	✓	✓	✓	✓	✓		*No*
rdmfhrentals.cert.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
rdmfhrentals.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
rdupcip.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
reconnect-apply.rd.usda.gov	✓	✓	✓	✓	✓		*No*
reconnect.usda.gov	✓	✓	✓	✓	✓		*No*
ree.usda.gov	✓	✓	✓	✓	✓		*No*
reedir.arsnet.usda.gov	✓	✓	✓	✓	✓		*No*
reeis.usda.gov	✓	✓	✓	✓	✓		*No*
regstats.usda.gov	✓	✓	✓	✓	✓		*No*
release.nass.usda.gov	✓	✓	✓	✓	✓		*No*
remote.nass.usda.gov	✓	✓	✓	✓	✓		*No*
remotesupport.usda.gov	✓	✓	✓	✓	✓		*No*
request.nal.usda.gov	✗ *Bad hostname*	✗	✗	✓	✗		*No*
resales.usda.gov	✓	✓	✓	✓	✓		*No*
ri.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
rlp.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
rma.usda.gov	✓	✓	✓	✓	✓		*No*
roe365-rma.fpac.usda.gov	✓	✓	✓	✓	✓		*No*
roqcts-test.fns.usda.gov	✓	✓	✓	✓	✓		*No*
roqcts.fns.usda.gov	✓	✓	✓	✓	✓		*No*
rulss.cert.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
rural.stg.platform.usda.gov	✗ *Bad chain* *Bad hostname*	✗	✗	✓	✗		*No*
rurdev.usda.gov	✓	✓	✓	✓	✓		*No*
rye.pw.usda.gov	✗	✗	✗	✓	✗		*No*
sand.nwisrl.ars.usda.gov	✓	✓	✓	✓	✓		*No*
sandbox.fsa.usda.gov	✓	✓	✓	✓	✓		*No*
sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
sc.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
scientificdiscoveries.ars.usda.gov	✓	✓	✓	✓	✓		*No*
scinet.usda.gov	✓	✓	✓	✓	✓		*No*
scs.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
sd-prod.arsnet.usda.gov	✓	✓	✓	✓	✓		*No*
sd.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
sdmdataaccess.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
sdmdataaccess.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
sdmreportmanager.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
search.ams.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
search.ers.usda.gov	✓	✓	✓	✓	✓		*No*
search.nal.usda.gov	✓	✓	✓	✓	✓		*No*
secure.rd.usda.gov	✓	✓	✓	✓	✓		*No*
seduat.fns.edc.usda.gov	✓	✗	✓	✓	✗		*No*
servicedesk.edc.usda.gov	✓	✓	✓	✓	✓		*No*
serviceportalce.nitc.usda.gov	✗ *Bad chain* *Bad hostname*	✗	✗	✓	✗		*No*
services.usda.gov	✓	✓	✓	✓	✓		*No*
sfhloss.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
share.aphis.usda.gov	✗	✗	✗	✓	✗		*No*
shares.cert.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
shares.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
sma.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
smartech.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
snaped.fns.usda.gov	✓	✓	✓	✓	✓		*No*
snaped.stg.platform.usda.gov	✓	✓	✓	✓	✓		*No*
snappolicywiki.fns.usda.gov	✓	✓	✓	✓	✓		*No*
snapqcs-test.fns.usda.gov	✓	✓	✓	✓	✓		*No*
snapqcs.fns.usda.gov	✓	✓	✓	✓	✓		*No*
snaptoskills.fns.usda.gov	✓	✓	✓	✓	✓		*No*
snp.fns.usda.gov	✓	✓	✓	✓	✓		*No*
soils-staging.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
soils.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
soilseries.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
soilseriesdesc.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
somart.ars.usda.gov	✓	✓	✓	✓	✓		*No*
sparc.usda.gov	✗ *Bad hostname*	✗	✗	✓	✗		*No*
specialcollections.nal.usda.gov	✓	✓	✓	✓	✓		*No*
srs.fs.usda.gov	✓	✓	✓	✓	✓		*No*
ssldata.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
ssldata.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
ssr.nwisrl.ars.usda.gov	✓	✓	✓	✓	✓		*No*
staging.aglearn.usda.gov	✓	✓	✓	✓	✓		*No*
stars.fns.usda.gov	✓	✓	✓	✓	✓		*No*
starsinteg.fns.usda.gov	✓	✓	✓	✓	✓		*No*
starsuat.fns.usda.gov	✓	✓	✓	✓	✓		*No*
submit.nal.usda.gov	✓	✓	✓	✓	✓		*No*
sugar.fsa.usda.gov	✓	✓	✗	✓	✗		*No*
summerfood.usda.gov	✓	✓	✓	✓	✓		*No*
summerfoods.usda.gov	✓	✓	✓	✓	✓		*No*
symbols-dev.fs2c.usda.gov	✓	✓	✓	✓	✓		*No*
symbols.fs2c.usda.gov	✓	✗	✓	✓	✗		*No*
symbolsadmin.fs2c.usda.gov	✓	✓	✓	✓	✓		*No*
tac.usda.gov	✗ *Bad chain* *Bad hostname*	✗	✗	✓	✗		*No*
targetcenter.dm.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
taws.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
tcap.pw.usda.gov	✓	✓	✗	✓	✗		*No*
teamnutrition.usda.gov	✓	✓	✓	✓	✓		*No*
techreg.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
techreg.usda.gov	✓	✓	✓	✓	✓		*No*
tellus-prod.arsnet.usda.gov	✓	✓	✓	✓	✓		*No*
tellus.ars.usda.gov	✓	✓	✓	✓	✓		*No*
test-portal.nifa.usda.gov	✓	✓	✓	✓	✓		*No*
test.ams.usda.gov	✓	✓	✓	✓	✓		*No*
test.reeis.usda.gov	✓	✓	✓	✓	✓		*No*
testevpn.usda.gov	✓	✓	✓	✓	✓		*No*
tips.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
tn.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
train.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
trainfgis.ams.usda.gov	✓	✓	✓	✓	✓		*No*
training-conit.edc.usda.gov	✗	✗	✗	✓	✗		*No*
training-portal.nifa.usda.gov	✓	✓	✓	✓	✓		*No*
transfer.fns.usda.gov	✓	✓	✓	✓	✓		*No*
trn.insight.edc.usda.gov	✓	✓	✓	✓	✓		*No*
tt.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
tx.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
ua-roe365-rma.fpac.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
uatfoodbuyingguide.fns.usda.gov	✓	✓	✓	✓	✓		*No*
uatpstrainingtracker.fns.usda.gov	✓	✓	✓	✓	✓		*No*
usda.stg.platform.usda.gov	✗ *Bad chain* *Bad hostname*	✗	✗	✓	✗		*No*
usdalinc-le.cert.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
usdalinc.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
usdaminc.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
usdasearch.usda.gov	✓	✓	✓	✓	✓		*No*
usdawatercolors.nal.usda.gov	✓	✓	✓	✓	✓		*No*
usna.usda.gov	✓	✓	✓	✓	✓		*No*
usnagis.ba.ars.usda.gov	✓	✓	✓	✓	✓		*No*
ut.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
va.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
vdr.fs2c.usda.gov	✓	✓	✓	✓	✓		*No*
vsapps.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
vsappstest.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
vt.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
wa.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
wbscmntrn.wbscm.usda.gov	✓	✓	✓	✓	✓		*No*
wbscmntrnbi.wbscm.usda.gov	✓	✓	✓	✓	✓		*No*
wbscmntrnup.wbscm.usda.gov	✓	✓	✓	✓	✓		*No*
wcc.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
wcc.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
wcis.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
wctsservices.usda.gov	✓	✓	✓	✓	✓		*No*
webapp.rma.usda.gov	✓	✓	✓	✓	✓		*No*
websoilsurvey.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
websoilsurvey.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
wheat.pw.usda.gov	✓	✓	✗	✓	✗		*No*
whmi.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
wi.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
wic.fns.usda.gov	✓	✓	✗	✓	✗		*No*
wicbreastfeeding.fns.usda.gov	✓	✓	✓	✓	✓		*No*
wicuat.fns.usda.gov	✓	✓	✗	✓	✗		*No*
wicworks.fns.usda.gov	✓	✓	✓	✓	✓		*No*
wildfiresafe.fs.usda.gov	✓	✓	✓	✓	✓		*No*
wli.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
wmc.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
workspace.usda.gov	✓	✓	✗	✓	✗		*No*
wsi.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
wsmis.aphis.usda.gov	✓	✓	✓	✓	✓		*No*
wssrulereportmanager.sc.egov.usda.gov	✓	✓	✓	✓	✓		*No*
wta.hs.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
wta3.hs.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
wta4.hs.nfc.usda.gov	✓	✓	✓	✓	✓		*No*

Domain	Uses HTTPS	Enforces HTTPS	Uses Strong Strict Transport Security (HSTS)	Free of SSLv2, SSLv3, 3DES, RC4	BOD 18-01 Web Compliant	Preloaded	Replace Symantec SSL Cert
wta5.hs.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
wta6.hs.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
wtatrain.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
wtausda.nfc.usda.gov	✓	✓	✓	✓	✓		*No*
wv.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
www-tx.ers.usda.gov	✓	✓	✓	✓	✓		*No*
www-wfweb.fs2c.usda.gov	✓	✓	✓	✓	✓		*No*
wwwstatic.fs.usda.gov	✓	✓	✓	✓	✓		*No*
wy.nrcs.usda.gov	✓	✓	✓	✓	✓		*No*
usda.net *Not Live*	*N/A*	*N/A*	*N/A*	*N/A*	✓	✗	*No*
ead.federation.usda.net	✓	✓	✗	✓	✗		*No*
usdapii.gov *Not Live*	*N/A*	*N/A*	*N/A*	*N/A*	✓	✗	*No*
wildfire.gov	✓	✓	✓	✓	✓	✗	*No*
egp.wildfire.gov	✓	✓	✓	✓	✓		*No*
egptest.wildfire.gov	✓	✓	✓	✓	✓		*No*

Note: “Preload-ready” domains can be submitted *by anyone at any time* to the HSTS Preload List site. This submission could potentially have negative effects if you have intranet subdomains that do not support HTTPS. See “Preloaded” in the Field Descriptions section for more information.

Field Descriptions

Each hostname's score is calculated from values derived from a `pshtt` scan; see the README for definitions of the values in the tool's output.

Uses HTTPS

Values: ✓ (uses), ✗ (does not use, or uses with: Bad chain, Bad hostname, Expired certificate)

Whether a site can be used over HTTPS, on either its bare domain or its www subdomain. Sites that appear to redirect "down" from HTTPS to HTTP are given an ✗.

- "Bad chain" indicates that either (1) a "chain" of intermediate certificates are missing that would provide the connecting client enough information to connect the certificate to a trusted root certificate, or (2) that the server certificate chains to a root that is not in the user's root store. Our scans use the Mozilla root store.
- "Bad hostname" indicates there is a mismatch between the hostname in question and the hostnames listed on a certificate's Common Name field and/or Subject Alternative Name extension.
- "Expired certificate" is the value for certificates that have a "Not Valid After" date before the date of our scan.

In `pshtt`, "Uses HTTPS" is mapped to the value for 'Domain Supports HTTPS'. It is calculated:

((Valid HTTPS == "True" AND Downgrades HTTPS == "False") OR
(Bad Hostname == "False" AND Bad Chain == "True" and Downgrades HTTPS == "False"))

Enforces HTTPS

Values: ✓ (enforces), ✗ (does not enforce)

Whether a hostname appears to "default" to using HTTPS (a hostname must have a ✓for 'Uses HTTPS' to qualify). A hostname where 'Redirect' is false is allowed to eventually redirect to an https:// URI. A hostname where 'Redirect' is true must immediately redirect clients to an https:// URI (even if that URI is on another domain).

In `pshtt`, "Enforces HTTPS" is mapped to the value for 'Domain Enforces HTTPS'. It is calculated:

(Domain Supports HTTPS == "True" AND
(Defaults to HTTPS == "True" OR
(Strictly Forces HTTPS == "True" AND Redirect == "True")))

Uses Strong Strict Transport Security (HSTS)

Values: ✓ (implements), ✓ (given credit for implementing, but we are unable to verify the use of HSTS since the host requires client authentication), ✗ (does not implement HSTS, or implements HSTS with low max-age)*

Whether a hostname has implemented strong HTTP Strict Transport Security. HSTS is an HTTP response header that directs supporting browsers to, after the first visit, only communicate with a hostname over HTTPS for the duration of `max-age` (even if the user clicks or types a plain HTTP link).

- ✓means that a valid Strict-Transport-Security header with at least `max-age=31536000` (1 year) is present on the hostname's default endpoint. (For increased security, you should consider the full HSTS preloading of the parent domain, which includes all subdomains.)
- "Low max-age" indicates that a valid Strict-Transport-Security header is present, but the max-age is below 31536000 as required by BOD 18-01.

In `pshtt`, "Uses Strong Strict Transport Security (HSTS)" is mapped to the value for 'Domain Uses Strong HSTS'. It is calculated:

HSTS == "True" AND HSTS Max Age >= 31536000

Free of SSLv2, SSLv3, 3DES, RC4

Values: ✓ (no weak protocols/ciphers detected), ✗ (weak protocols/ciphers detected)

Whether any weak cryptographic protocols (Secure Sockets Layer (SSL)v2, SSLv3) or ciphers (3DES, RC4) are supported by the web server at the hostname.

BOD 18-01 Web Compliant

Values: ✓ (compliant), ✗ (not compliant), N/A (Not live; no web)

Whether a hostname meets all of the following criteria for being compliant with BOD 18-01 for web security:

- Uses HTTPS
- Enforces HTTPS
- Uses Strong HSTS
- Free of SSLv2, SSLv3, 3DES, RC4

Preloaded

Values: ✓ (yes), ✗(no), Preload-ready, Pending

- ✓indicates that a domain is visibly preload-ready (`preload` is indicated in the HSTS header) and that the domain is actually in the public versioned Chrome preload list. Reaching this step effectively means that a domain's namespace is permanently and fully committed to HTTPS.
- "Preload-ready" indicates the domain meets the submission requirements for preloading, as outlined at the HSTS Preload List site, but is not in the public versioned Chrome preload list. Be aware that "preload-ready" domains can be submitted *by anyone at any time* to the HSTS Preload List site. This submission could potentially have negative effects if you have intranet subdomains that do not support HTTPS. The `includeSubDomains` directive in the HSTS header will, when preloaded, direct browsers to enforce HTTPS. Because HSTS disables the capability to click through security warnings, these subdomains will effectively be inaccessible to your users. If your domain is not ready to be preloaded, you should consider removing the `preload` directive in the HSTS header.

Replace Symantec SSL Cert

Values: Yes (replace certificate), No (no action needed)

- "Yes" indicates that a Symantec certificate is present at the hostname and should be replaced. This is required since major web browsers are removing trust in Symantec-owned certificate authorities, which will result in failed compliance for the BOD 18-01 requirement of "Uses HTTPS".
- "No" indicates that the hostname does not serve a Symantec certificate. No action is needed.

Background

More implementation guidance can be found at https://cyber.dhs.gov/guide and https://https.cio.gov.

What are the web security requirements of BOD 18-01?

- All publicly accessible Federal websites and web services provide service through a secure connection (HTTPS-only, with HSTS):
  - Provide service over HTTPS.
  - Automatically redirect HTTP requests to HTTPS, or disable HTTP entirely.
  - Have an HSTS policy in place.
- SSLv2 and SSLv3 are disabled on web servers.
- 3DES and RC4 ciphers are disabled on web servers.
- Identifying and providing a list to CISA of agency second-level domains that can be HSTS preloaded, for which HTTPS will be enforced for all subdomains.

M-15-13 includes **all domains and subdomains that are publicly reachable over HTTP/HTTPS**, regardless of whether those hostnames are in practice only used internally.

BOD 18-01 incorporates parallel language to M-15-13 with regard to HTTPS deployment. The Compliance Guide at https.cio.gov **should be consulted** in implementing HTTPS and HSTS.

What else should I do?

BOD 18-01 **requires** U.S. Department of Agriculture to evaluate which domains can be added to the HSTS preload list.

For a user to take advantage of HSTS, their browser does have to see the HSTS header at least once. This means that users are not protected until after their first successful secure connection to a given domain.

In addition, in many cases, there may never be a first visit to `https://domain.gov`. For example:

- Many federal websites redirect directly from `http://domain.gov` to `https://www.domain.gov`.
- Many federal domains that are used solely for redirects will redirect from `http://source.gov` directly to `https://destination.gov`.

In these cases, `https://domain.gov` and `https://source.gov` are never visited, meaning connecting clients will never see an HSTS policy with an `includeSubDomains` directive that applies to the whole zone.

To solve this problem, the Chrome security team created an 'HSTS preload list': a list of domains baked into Chrome that get Strict Transport Security enabled automatically, even for the first visit. Firefox, Safari, Opera, and Edge also incorporate Chrome's HSTS preload list, making this feature shared across major browsers.

You are encouraged to preload your domains yourself and then to report the set of preloaded domains to CISA in your Agency Plan of Action.

Resources

Learn

- BOD 18-01 incorporates parallel language to M-15-13 with regard to HTTPS deployment. The Compliance Guide at https.cio.gov **should be consulted** in implementing HTTPS and HSTS.
- pulse.cio.gov is a public dashboard to support compliance with M-15-13 and BOD 18-01. The site includes scores for all second-level Federal .gov domains and subdomains sourced from GSA's DAP and Censys.io (as detailed in the Methodology section below). Pulse scans domains with `pshtt`.
- https://https.cio.gov/resources has presentations to watch and tools to use.

Get Help

You can reach out to CISA at vulnerability@cisa.dhs.gov.

Methodology

What domains are measured?

This report measures the presence and enforcement of HTTPS for U.S. Department of Agriculture's publicly-accessible domains and subdomains. Hostnames which do nothing but redirect to other websites *are* measured.

Each domain and subdomain is assessed on four "endpoints":

1. **http://**
2. **http://www**
3. **https://**
4. **https://www**

Data from these endpoints is used to characterize the overall behavior of a hostname. These measurements are performed using `pshtt`, our open source HTTPS scanner. All owned .gov domains and known subdomains are included. Subdomains are gathered from the following sources:

- General Services Administration's Digital Analytics Program (DAP), which nightly publishes a dataset of federal hostnames for which the DAP observed at least one recorded visit in the previous 14 days.
- Censys is used to query the 'Common Name' field and 'Subject Alternative Name' extension on X.509 certificates found on Federal .gov sites, derived from scans of the IPv4 space and from certificates submitted to public Certificate Transparency logs.
- End of Term Web Archive Project, which captures and saves U.S. Government websites at the end of presidential administrations.
- Hostnames gathered from Cyber Hygiene scans.

Your agency is also welcome to request additional domains/subdomains be scanned that you find missing from this report by emailing vulnerability@cisa.dhs.gov.

What trust store is CISA using?

Our scans use the Mozilla CA Certificate Store. This trust store most accurately represents what roots are "publicly trusted", and is used in Firefox, Android, Linux, and many commercial and open source network security tools. Note that the Federal Common Policy CA, the Federal trust anchor, is not currently trusted by the Mozilla CA Certificate Store.

M-15-13/BOD 18-01 have no restrictions on acceptable certificate authorities agencies might use to meet their requirements. However, Federally issued certificates will not be practical for web services whose users may not always be expected to trust the issuing federal certificate authority.

Attachments

If your PDF viewer supports embedded attachments, you will see a paperclip icon below for each attached file.

pshtt-results.csv : Detailed results from `pshtt` scan [https://github.com/cisagov/pshtt]