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## DOMAINS TO ADD TO FORTINAC ALLOWED DOMAINS LIST

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### ***Overview***

When a device is connected to an isolation VLAN (e.g., Registration, Quarantine, DeadEnd), the NAC Server/NAC Application Server acts as the DNS server. Upon receipt of a DNS request from the isolated host, FortiNAC returns the IP address of the isolation interface unless the domain is listed in the Allowed Domains page. If a request for a domain listed in the Allowed Domains page is received, FortiNAC sends a request to the customer's DNS server for resolution. To provide appropriate IP resolution to isolated devices for completing actions such as updating AV/AS programs and SSL certificate authentication, this list should be updated as necessary.

### ***Adding Domains to the Allowed Domains List***

To add domains to the Allowed Domains List, login to the FortiNAC Administration UI and navigate to **System > Settings > Control > Allowed Domains**. Refer to the [Administration and Operation Guide](#) or Online Help topic "Allowed Domains" for additional details.

### ***Domains Listing***

The following list contains known domains that may need to be added to ensure appropriate IP resolution from the isolation VLAN. This list is updated regularly. Check the Content tab in the Customer Portal to ensure the latest version of this document has been downloaded.

**Note:** domains for the Allowed Domains List are added to new firmware versions of FortiNAC. Depending upon the firmware version of the appliance, any/all of the domains may already be listed.

aapling.com (**Allows the Bradford Mobile Agent to be downloaded**)

accounts.google.com (**Google Authentication, Airwatch MDM**)

accounts.youtube.com (**Google Authentication, Airwatch MDM**)  
affirmtrust.com (**Certificate Authority**)  
akadns.com (**Microsoft Security Essentials**)  
akadns.net (**Microsoft Security Essentials**)  
akadns.org (**Microsoft Security Essentials**)  
akam.net (**AVG**)  
akam.net (**Microsoft Security Essentials**)  
akamai.com (**Microsoft Security Essentials**)  
akamai.net (**Microsoft Security Essentials**)  
akamaiedge.net (**Antivirus Zone**)  
akamaiedge.net (**Microsoft Security Essentials**)  
akamaitech.net (**Microsoft Security Essentials**)  
akamaitechnologies.com (**Microsoft Security Essentials**)  
amazonaws.com (**Sophos downloads for Apple, Google Play Store**)  
amazoncrl.com (**Kaspersky 2016 Internet Security Browser Redirection**)  
android.clients.google.com (**Google Play Store to download Bradford Mobile Agent**)  
android.l.google.com (**Google Play Store to download Bradford Mobile Agent**)  
antivirus.com (**Trend Micro**)  
antivirus.net.my (**GDATA-AntiVirusKit**)  
apis.google.com (**Google Authentication, Airwatch MDM**)  
apple.com (**Apple**)  
apple-dns.net (**IPAD initial configuration**)  
appleiphonecell.com (**iOS 7 requires to build the Registration page**)  
appperformable.com (**to download Vipre definitions (Vipre sold to Threat Track)**)  
aspnetcdn.com (**Microsoft Security Essentials**)  
assets.onestore.ms (**Helps resolve the Microsoft web site**)  
atdmt.com (**Antivirus Zone**)  
au-msedge.net (**Microsoft Critical Updates**)  
avast.com (**Avast**)  
avcdn.net (**AVG Free 2017 and AVAST**)  
avg.com (**AVG**)  
avg.cz (**AVG**)  
avgfree.com (**AVG**)

avgfree.com (**AVG**)  
avgtechnologies.112.2o7.net (**AVG**)  
avira.com (**Avira**)  
avira-update.com (**Avira**)  
awada.com (**Airwatch MDM**)  
bitdefender.com (**Softwin-BitDefender**)  
bullguard.com (**BullGuard**)  
button.aspnetcdn.com (**Microsoft Security Essentials javascript for Download**)  
ca.com (**EZ-Trust and eTrust**)  
cachefly.net (**Certificate Authority**)  
cbsi.com (**To download AVG or Avast**)  
cbsistatic.com (**Certificate Authority**)  
cdn-apple.com (**IPAD initial configuration**)  
cedexis.net (**Microsoft Critical Updates**)  
checkout.google.com (**Airwatch MDM**)  
chicdn.net (**access upgrade.bitdefender.com**)  
clamav.net (**ClamAV**)  
clamwin.com (**Clamwin**)  
clamxav.com (**ClamXAV**)  
clamxav.net (**ClamXAV**)  
cloudapp.net (**Norton Updates**)  
cloudflare.net (**Certificate Authority**)  
cloudfront.net (**Samsung S4 requires to connect to wireless**)  
c-msedge.net (**Microsoft Critical Updates**)  
cnet.com (**Spyware Update Zones**)  
com.com (**AVG**)  
comodoca.com (**Certificate Authority**)  
comodoca4.com (**Certificate Authority**)  
cotcdn.net (**Graphics of Avast**)  
d4p.net (**Microsoft Security Essentials**)  
digicert.com (**Certificate Authority**)  
digicertcdn.com (**Certificate Authority**)  
digitalriver.com (**Spyware Update Zones**)

digitalrivercontent.net (**Microsoft home page**)  
digsigtrust.com (**Certificate Authority**)  
download.com (**Spyware Update Zones**)  
drweb.com (**DrWeb**)  
drweb-online.com (**DrWeb**)  
dw.com (**Spyware Update Zones**)  
edgecastcdn.net (**Microsoft Security Essentials**)  
edgekey.net (**Apple**)  
edgesuite.net (**Microsoft Security Essentials**)  
edgesuite-staging.net (**Microsoft Security Essentials**)  
element5.com (**AVG**)  
ensighten.com (**Microsoft home page**)  
entrust.net (**Certificate Authority**)  
eset.com (**Eset-NOD32**)  
fdlstatic.com (**To download AVG or Avast**)  
footprint.net (**Microsoft Security Essentials**)  
f-prot.com (**F-Prot**)  
free-av.com (**Avast**)  
free-av.de (**Avast**)  
f-secure.com (**F-Secure**)  
g.msn.com (**AVG**)  
gdata.de (**AVG**)  
geotrust.com (**Certificate Authority**)  
geotrust.net (**Certificate Authority**)  
ggpht.com (**Google Play Store to download Bradford Mobile Agent**)  
globalsign.com (**Certificate Authority**)  
globalsign.net (**Certificate Authority**)  
globalsigncdn.com (**Certificate Authority**)  
godaddy.com (**Certificate Authority**)  
googleapis.com (**Certificate Authority**)  
googlehosted.googleusercontent.com (**Google Authentication, Airwatch MDM**)  
grisoft.com (**AVG**)  
grisoft.cz (**AVG**)

gtld-servers.net (**Microsoft Security Essentials**)  
gvt1.com (**Google Play Store to download Bradford Android Mobile Agent**)  
howtotell.com (**Microsoft Validation Site**)  
html.it (**AVG**)  
hwcdn.net (**download Vipre definitions and Malwarebytes**)  
files.downloadnow.com (**Avast download for Mac OSX**)  
icloud.com (**iPads require communication to icloud.com (Without it registrations take 10+ minutes)**)  
identrust.com (**Certificate Authority**)  
incommon.org (**Certificate Authority**)  
inecnet.cz (**AVG**)  
insnw.net (**avast download from cnet.com**)  
integodownload.com (**Required by Intego for definition updates**)  
invision.com (**AVG**)  
itunes.com (**iOS App Store**)  
jquery.com (**Microsoft Security Essentials**)  
kaspersky.com (**Kaspersky**)  
kasperskylabs.net (**Kaspersky**)  
keynectis.com (**Certificate Authority**)  
kolla.de (**Spyware Update Zones**)  
kundenserver.de (**Spyware Update Zones**)  
l.google.com (**Certificate Authority**)  
lavasoft.com (**Spyware Update Zones**)  
lavasoft.de (**Spyware Update Zones**)  
lavasoftusa.com (**Spyware Update Zones**)  
lh4.googleusercontent.com (**Google Authentication, Airwatch MDM**)  
liveupdate.com (**Antivirus Zone**)  
liveupdate.symantec.r3h.net (**Antivirus Zone**)  
llnwd.net (**Vista**)  
macomnet.ru (**Kasperksy AV Moscow**)  
mail.google.com (**Google Authentication, Airwatch MDM**)  
mcafee.com (**Antivirus Zone**)  
mcafeesecurity.com (**Antivirus Zone**)

mem.gx.ms (**Microsoft Web Page Styles**)  
microsoft.com (**Update Zones**)  
microsoft.net (**Update Zones**)  
microsoftonline.com (**Required for MS cloud based email**)  
microsoftstore.com (**Microsoft home page**)  
microworld.com (**MicroWorld-eScan**)  
msecd.net (**AVG**)  
msedge.net (**Windows Update**)  
msft.com (**Microsoft Security Essentials**)  
msft.net (**Microsoft Security Essentials**)  
msftncsi.com (**AVG**)  
msocsp.com (**Kaspersky 2016 Internet Security Browser Redirection**)  
mwti.net (**MicroWorld-eScan**)  
mynortonaccount.com (**Antivirus Zone**)  
mzstatic.com (**iOS App Store**)  
nai.com (**Antivirus Zone**)  
netsolssl.com (**Certificate Authority**)  
netupdate2.intego.com (**Trend Micro**)  
networkassociates.com (**Antivirus Zone**)  
now.symassets.com (**Antivirus Zone**)  
norman.com (**Norman**)  
norton.com (**Antivirus Zone**)  
nsatc.com (**Microsoft Security Essentials**)  
nsatc.net (**Microsoft Security Essentials**)  
nsatc.org (**Microsoft Security Essentials**)  
oauth.googleusercontent.com (**Google Authentication, Airwatch MDM**)  
ocsp.apple.com (**Initial IPAD configuration**)  
ocsp.globalsign.cloud (**Certificate Authority**)  
office365.com (**Required for MS cloud based email**)  
omniroot.com (**Kaspersky 2016 Internet Security Browser Redirection**)  
onecare.live.com (**Windows OneCare**)  
page.cotcdn.net (**To fully load all of the graphics on the Avast download**)  
pandasecurity.com (**AVG & Panda**)

pandasoftware.com (**Panda**)  
pctools.com (**PCTools-AntiVirus**)  
performable.com (**Vipre AV**)  
phicdn.net (**Certificate Authority**)  
photos-ugc.l.google.com (**Used for screen-shots in the play store**)  
photos-ugc.l.googleusercontent.com (**Used for screen-shots in the play store**)  
play.google.com (**Used for screen-shots in the play store**)  
public-trust.com (**Certificate Authority**)  
rising-global.com (**Rising-Antivirus**)  
safebrowsing.clients.google.com (**MAC safe browsing blacklist**)  
safebrowsing.google.com (**Certificate Authority**)  
safer-networking.org (**Spyware Update Zones**)  
sb-ssl.google.com (**Google Safebrowsing**)  
schemas.google.com (**Google Authentication, Airwatch MDM**)  
securetrust.com (**Certificate Authority**)  
securitywonks.net (**Spyware Update Zones**)  
sfmirror.softlayer.com (**Used by Clamwin for downloads**)  
s-microsoft.com (**Microsoft home page**)  
sophos.com (**Sophos**)  
sophos.com.cn.lldns.net (**Sophos**)  
sophosupd.com (**Sophos**)  
sophosupd.com.cn.lldns.net (**Sophos**)  
sophosupd.net (**Sophos**)  
sophosupd.net.cn.lldns.net (**Sophos**)  
sophosxl.net (**Sophos**)  
sourceforge.mirror.iweb.ca (**Used by Clamwin for downloads**)  
sourceforge.net (**Used by Clamwin for downloads**)  
spybotupdates.com (**Spyware Update Zones**)  
spynet.com (**Spyware Update Zones**)  
ssl.google-analytics.com (**Firefox can hang if cannot be reached**)  
ssl.gstatic.com (**Samsung S4 requires to connect to wireless**)  
starfieldtech.com (**Certificate Authority**)  
sunbeltsoftware.com (**Antivirus Zone**)

sunbelt-software.com (**Antivirus Zone**)  
swisssign.net (**Certificate Authority**)  
symantec.com (**Antivirus Zone**)  
symantecliveupdate.com (**Antivirus Zone**)  
symantecstore.com (**Antivirus Zone**)  
symcb.com (**Certificate Authority**)  
symcd.com (**Certificate Authority**)  
thawte.com (**Certificate Authority**)  
themes.googleusercontent.com (**Google Authentication, Airwatch MDM**)  
threattrack.com (**For Vipre to download definitions (Vipre was sold to Threat Track)**)  
time.windows.com (**Anti Virus/Spyware/miscellaneous zone**)  
tools.google.com (**Google Authentication, Airwatch MDM**)  
trendmicro.com (**Trend Micro**)  
trendsecure.com (**Trend Micro**)  
trust-secure.com (**Certificate Authority**)  
trustwave.com (**Certificate Authority**)  
unmetered.org.uk (**ClamXAV**)  
update.nai.com.att-idns.net (**Antivirus Zone**)  
updatecenter.trafficmanager.net (**Norton Updates**)  
useragent.com (**Certificate Authority**)  
usertrust.com (**Certificate Authority**)  
v0cdn.net (**Certificate Authority**)  
v2cdn.net (**Required to download Malwarebytes**)  
verisign.com (**Certificate Authority**)  
verisign.net (**Certificate Authority**)  
webroot.com (**AVG**)  
windows.com (**Microsoft Critical Updates**)  
windows.net (**Microsoft Security Essentials**)  
windowsupdate.com (**Microsoft Security Essentials**)  
windowsupdate.net (**Microsoft Security Essentials**)  
windowsupdate.net (**Microsoft Security Essentials**)  
wustat.net (**Microsoft Security Essentials**)  
wustat.windows.com (**Microsoft Security Essentials**)



www3.l.google.com **(Used for screen-shots in the play store)**

zonealarm.com **(AVG)**