



"no_proxy" variable (on Group SOE)

Introduction

If you've ever searched for `no_proxy` settings at CBA, you've probably noticed something amusing: lots of information available and everyone uses a different value 😅

Confluence search with 36274 results

Confluence

Introduction

The problem this analysis solved

Numbers, always numbers...

The official PAC file

Domain Distribution

Proxy Infrastructure Analysis

Geographic Spread

What connections are meant to be DIRECT ? (`no_proxy`)

Outcome

The long one

The ultra-compact

Some people have 3 wildcards domains in their list, others have 15... Some include GitHub, others don't.

Some work perfectly, others cause mysterious connection issues.

The truth is: there's only ONE correct answer, and it's hidden in the 3,095-line [PAC file](#).

I don't really care about the analysis below, what's the variable please?

✓ Sure, here it is:

```
1 no_proxy=".localhost,.localhost,.local,127.0.0.1,.adobe.com,.amazonaws.com,.apple.com,.
atlassian.com,.azure.com,.azure.net,.azureedge.net,.azurewebsites.net,.bitbucket.org,.c
ba,.cba.com.au,.cbaidev01.com,.cbainet.com,.cbaitest01.com,.cbatest.com,.commbank.com.a
u,.commsec.com.au,.force.com,.github.com,.githubusercontent.com,.googleapis.com,.icap.c
om,.microsoft.com,.microsoftonline.com,.office.com,.oraclecloud.com,.refinitiv.com,.sal
esforce.com,.snyk.io,.tradeweb.com,.windows.net,*.zoom.us"
```

But this isn't 100% accurate: see this → ["no_proxy" variable \(on Group SOE\) | The long o
ne](#)

The problem this analysis solved

Using Agentic AI (Roo and Claude 4 via api.studio.genai.cba),

I analyse CBA's official PAC file (on the 27 Aug 2025) and found **854 domains** that should bypass the proxy.

⚠ Since AI is at play and it initially missed github.com, I invite anyone to dispute or update some of the findings below. Although, arguably you should **not** need to maintain

no_proxy on your SOE if you were making use of Alpaca: [Setting up Alpaca on Windows](#)

[Setting up Alpaca on MacOS](#)

Numbers, always numbers...

The official PAC file

- 3,095-line PAC file.
- 854 domains
- 28 different proxies

Domain Distribution

- **95.4% external services** (can be reached from internet)
- **4.6% CBA internal** (only work inside CBA network)

I was pretty close [here](#)...

What Was Found	Cou nt	What It Means
Total domains that should go direct	854	The complete list
CBA internal domains	39	Only work inside CBA network
External services	815	Partner or untrust zones...
Cloud services	81+	AWS, Azure, Google Cloud, etc.

Development tools	20+	GitHub, Atlassian, Adobe, etc.
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Proxy Infrastructure Analysis

The PAC file contains **28 different proxy servers** across CBA's network:

- **Primary Prisma Access proxies:** `cba.proxy.prismaaccess.com:8080` (prod), `cbatest.proxy.prismaaccess.com:8080` (test)
- **Legacy Bluecoat proxy:** `proxy.au.eds.com:8080` (most frequently used)
- **Internal CBA proxies:** Multiple app-specific and environment-specific proxies
- **Specialised proxies:** SWIFT trading (4 servers), China operations, AWS cloud proxies

Geographic Spread

- **Global services:** Most domains (github.com, microsoft.com)
- **Australia-specific:** Some domains (.com.au, local services)
- **Asia-Pacific:** Trading and financial services
- **Internal:** CBA's private networks

What connections are meant to be DIRECT ? (no_proxy)

Cloud Platforms:

- AWS (Amazon Web Services) - 15 different domains
- Microsoft Azure - 37 different domains
- Google Cloud - 15 different domains
- Oracle Cloud

Development Tools:

- GitHub (all variants: github.com, githubusercontent.com, etc.)
- Atlassian (Jira, Confluence, Bitbucket)
- Adobe services (20+ different domains)

Enterprise Software:

- Microsoft Office 365 & Teams
- Salesforce

- VMware

- Workday

Financial & Trading:

- Refinitiv (formerly Thomson Reuters)
- Trading platforms
- SWIFT network
- Bloomberg services

CBA Internal:

- *.cba domains
- Internal development environments
- Private network ranges

Outcome

The long one

There, you have it, reduced from 854 domains to 671 domains using intelligent wildcarding :

```
1 no_proxy="*.aadrm.com,*.acadiahub.com,*.accertify.net,*.adobe-identity.com,*.adobe-services.com,*.adobe.com,*.adobe.io,*.adobeccc.com,*.adobeccces.com,*.adobecccstatic.com,*.adobe cqms.net,*.adobedtm.com,*.adobeexchange.com,*.adobegenuine.com,*.adobegov.com,*.adobejanus.co m,*.adobelogin.com,*.adobeoobe.com,*.adobeprojectm.com,*.adobesc.com,*.adobesign.com,*.adobesigncdn.com,*.adobess.com,*.adobesunbreak.com,*.adobetag.com,*.adp.com,*.adppayroll.com.au,*.a em.cba,*.afcx.com.au,*.agilereporter.com,*.amazon.com,*.amazonaws.com,*.analysis.windows.net, *.analyst- station.com,*.apac.onlinexperiences.com,*.app.bidfx.biz,*.app.bidfx.com,*.appdynamics.com,*.apple.com,*.appserviceenvironment.net,*.apptio.com,*.aptplatform.com,*.aprtrinsic.com,*.ariba.com,*.ariscloud.com,*.armaguard.com.au,*.aspnetcdn.com,*.assets-yammer.com,*.atl paas.net,*.atlassian.com,*.atlassian.net,*.atticus.tech,*.au.eds.com,*.au.ricoh-pmc.com,*.austraclear.com.au,*.autotrader.co.uk,*.aws.amazon.com,*.aws.dev,*.awsapps.com,*.awsstatic.com,*.axcloud.io,*.aznbcontent.net,*.azure-api.net,*.azure-apim.net,*.azure-devices.net,*.azure.com,*.azure.net,*.azureedge.net,*.azureml.ms,*.azurerms.com,*.azurewebsites.net,*.backstopsolutions.com,*.barraone.com,*.behance.net,*.bgctrader.com,*.bgctrader.sg,*.biocatch.com,*.bitbucket.org,*.bizzdesign.cloud,*.blazemeter.com,*.bnymellon.com,*.bondorigin ation.com,*.bpoint.com.au,*.bravure.com.au,*.brew.sh,*.broadcast.skype.com,*.btait,*.bunnings.com.au,*.cardmanager.com.au,*.cba,*.cba.com.au,*.cba.csg-carrier.com,*.cba.fenergox.com,*.cba.mc.axwaycloud.com,*.cbaidev01.com,*.cbainet.com,*.cbaiq.com.au,*.cbaitest01.com,*.cbapoc.eutest.eophcp.com,*.cbardom.local,*.cbatest.com,*.cbatms.com,*.cdn- apple.com,*.cfs.blackrock.com,*.cfs.com.au,*.chatgpt.com,*.clientportal.stg.cba.com.au,*.clients6.google.com,*.cloud.google.com,*.cloud.microsoft,*.cloud.oracle.com,*.cloudability.com,*.cloudapp.net,*.cloudappsecurity.com,*.cloudconformity.com,*.cloudflare.com,*.cloudflareaccess.com,*.cloudflaressl.com,*.cloudimanager.com,*.cmutual.com.au,*.co.uk,*.cognitiveservices.azure.com,*.com.au,*.commbank.asia,*.commbank.com.au,*.commbiz.test3.commbank.com.au,*.commsec.com.au,*.comsec.com.au,*.confirmation.com,*.connectivity.service.signalr.net,*.console.aws.a2z.com,*.cortana.ai,*.crd.com,*.credagility.com,*.crm6.dynamics.com,*.csl-stp.comsec.com.au,*.csod.com,*.csp-vidm-
```

prod.com,* datapath.prismaaccess.com,* datawarehouse.fabric.microsoft.com,* datawarehouse.pbi
dedicated.windows.net,* datazone.ap-southeast-2.api.aws,* datazone.ap-southeast-
2.on.aws,* db.com,* dbvpn.com,* degreed.com,* derivatives.com,* dev.ausiex.com.au,* dl.google
.com,* documentcloud.adobe.com,* documentforce.com,* docusign.com,* docusign.net,* dppricing
.com,* dr.derivatives.com,* dr.imaginesoftware.com,* duckcreekondemand.com,* dynamic.redhatwo
rkshops.io,* dynamics.com,* e-
globallink.com,* echocdn.com,* echosign.com,* edm.cba.com.au,* enable.commbank.com.au,* ercot
.com,* etait,* etc.icap.com,* eu.ddev.tradeweb.com,* eu.demo.tradeweb.com,* eu.ds.ddev.tradew
eb.com,* eu.ds.prod.tradeweb.com,* eu.pvt.ififi.tradeweb.com,* eu.ricoh-
pmc.com,* eurexrepo.com,* exabeam.cloud,* exabeam.com,* example.opentlc.com,* exp-
tas.com,* experian.com.au,* extranet.thomsonreuters.biz,* f5.com,* facebook.com,* fasspay.com
,* fenergocloud.com,* fico-
ccs.net,* firststate.fsiorg.com,* force.com,* frontend.clouddatahub.net,* fsi,* fsnproperty.n
et,* fsorg,* fsorg.com,* ftcdn.net,* fxall.com,* genesys.com,* genesyscloud.com,* gfx.ms,* gh
cr.io,* github.com,* github.io,* githubcopilot.com,* githubusercontent.com,* globalink.com,*
globalx.com.au,* google.cn,* google.com,* googleapis.com,* gpcloudservice.com,* gradle.org,*
gstatic.com,* hkma.gov.hk,* horizzon.cloud,* housingaustralia.gov.au,* ib.commbank.com.au,* i
blc.com,* icap.com,* icapasiahub.com,* ice.com,* icloud.com,* icp.ingenico.com,* identityx-
cloud.com,* idesgateway.com,* ihsmarkit.com,* imaginesoftware.com,* imanagework-
au.com,* incident.cba.com.au,* incontact.com,* intellisms.com.au,* internal.ausiex.com,* iplo
cation.net,* jetbrains.com,* jitpack.io,* kpmg.com.au,* leankit.com,* legalstream.com.au,* le
ns.poly.com,* letsencrypt.org,* lg,* lightning.com,* lightning.force.com,* live.com,* liveper
son.com,* liveperson.net,* localagentfinder.com.au,* lpsnmedia.net,* lync.com,* mail.protecti
on.outlook.com,* managedwhitelisting.com,* markit.com,* mastercardconnect.com,* maven.google
.com,* maven.org,* maxmind.com,* maxtrader.com,* messagexchange.com,* microsoft.com,* microso
ftazuread-sso.com,* microsoftonline-p.com,* microsoftonline-
p.net,* microsoftonline.com,* microsoftstream.com,* ms.crd.com,* msauth.net,* msauthimages.ne
t,* msecnd.net,* msft.net,* msftauth.net,* msftauthimages.net,* msftidentity.com,* msftncsic
om,* msidentity.com,* msocdn.com,* mstea.ms,* murex.com,* murex.com.sg,* myappsanywhere.org,*
myemailanywhere.org,* myencrypt.org,* mypurecloud.com,* mypurecloud.com.au,* mystaffdeals.co
m.au,* myworkday.com,* netscout.com,* nexthink.cloud,* nhfic.gov.au,* nice-
incontact.com,* nicecxone.com,* niceincontact.com,* nonp.unloan.com.au,* nonprod.ausiex.net,*
.notebooks.azure.net,* np.ausiex.net,* nuance.com,* o365weve.com,* oaistatic.com,* oaiusercon
tent.com,* observeinc.com,* odessainc.com,* office.com,* office.net,* office365.com,* omnicha
nnelengagementhub.com,* ondemand.sas.com,* onenote.com,* onenote.net,* onestore.ms,* online.t
ableau.com,* openai.azure.com,* openai.com,* openfin.co,* optus.com.au,* oraclecloud.com,* or
chestrated.io,* outlook.com,* pages.commbank.io,* paloaltonetworks.com,* pci.edssdn.net,* pel
ican.ai,* perfectomobile.com,* perimeter81.com,* petsure.com.au,* pexa.com.au,* pexalabs.com.
au,* phonefactor.net,* ping.cloud,* pingidentity.com,* pingidentity.com.au,* pingone.com,* pi
ngone.com.au,* planview.com,* portfoliosolutions.com.au,* powerapps.com,* powerbi.com,* power
platformusercontent.com,* preservica.com,* privatelink.azmk8s.io,* privatelink.azurecr.io,* pri
vatelink.azurewebsites.net,* privatelink.blob.core.windows.net,* privatelink.cosmos.azure.c
om,* privatelink.database.windows.net,* privatelink.documents.azure.com,* privatelink.file.co
re.windows.net,* privatelink.queue.core.windows.net,* privatelink.redis.cache.windows.net,* pri
vatelink.redisenterprise.cache.azure.net,* privatelink.servicebus.windows.net,* privatelink
.table.core.windows.net,* privatelink.vault.azure.net,* privatelink.vaultcore.azure.net,* pri
vatelink.web.core.windows.net,* privateonline.com.au,* prod.apps-
auth.aws.a2z.com,* prod.tsimagine.com,* proptrack.com,* protection.outlook.com,* prudential.c
om.au,* pure.cloud,* pvcloud.com,* pwc.com,* pwc.com.au,* qualys.com,* rbnz.govt.nz,* rbps.go
vt.nz,* recoveriescorp.com.au,* redocly.com,* refinitiv.biz,* refinitiv.com,* refinitiv.net,*
roymorgan.com,* rsa3dsauth.co.uk,* ruby-lang.org,* rubygems.org,* rvm.io,* s-
microsoft.com,* salesforce-communities.com,* salesforce-
experience.com,* salesforce.com,* sas.com,* sbnsw.com.au,* scalas
sbt.org,* science.org,* search.lookwhoscharging.com.au,* secure.skypeassets.com,* securesuite
.co.uk,* segment.com,* sendgrid.com,* sendgrid.net,* sentry-
cdn.com,* serraview.com,* service-
now.com,* service.staging.commbank.com.au,* serviceportal.net.au,* session.rservices.com,* sf
bassets.com,* sharepoint.com,* sharepointonline.com,* showmyip.com,* signin.aws.amazon.com,*

skype.com,*.smartmessagingservices.net,*.snowflake.app,*.snowflake.com,*.snowflakecomputing.com,*.snyk.io,*.sonatype.org,*splunkcloud.com,*.sso.amazonaws.com,*.staging.commbroker.com.au,*starcompliance.com,*static.microsoft,*.stg.colonialfirststate.com.au,*support.fencloud.net,*.svc.ms,*sway-cdn.com,*.sway-extensions.com,*sy.obsec.io,*sympli.com.au,*t3.commbank.com.au,*tasktop.net,*teamform.co,*teradata.com,*test.ausix.com.au,*test.commbroker.com.au,*test.comsec.com.au,*thomsonreuters.biz,*thomsonreuters.com,*thomsonreuters.net,*tmsmgmt.com,*tpebroking.com,*tradeimaging.citigroup.com,*tradeprocessing.citigroup.com,*tradeweb.com,*tradition.com,*traditionasia.com,*traditionasia.com,*trioptima.com,*typekit.com,*typekit.net,*typesafe.com,*udemy.com,*usercontent.microsoft,*verintcloudservices.com,*vidmpreview.com,*virtualearth.net,*visualforce.com,*visualstudio.com,*vmware-aws.com,*vmware.com,*vmwareidentity.com,*vmwareidentity.com.au,*vmwarevmc.com,*we-stats.com,*whatismyip.com,*where-am-i.co,*whitecoat.com.au,*wiley.com,*windows.com,*windows.net,*windowsazure.com,*windowsupdate.com,*wisemcgriath.com.au,*wiz.io,*workday.com,*workspaceair.com,*workspaceoneaccess.com,*xhoot.com,*xplan.iress.com.au,*yammer.com,*yammerusercontent.com,*yarnpkg.com,*zafincloud.com,*zoom.us,*zoopla.co.uk,*cfs.blackrock.com,10.*.*.*.,140.168.134.45,140.168.134.46,140.168.134.49,140.168.134.50,140.168.68.46,140.168.68.49,140.168.68.50,155.195.248.225,170.209.*.*.,75.124.21.201,acadiahub.com,admin.onedrive.com,adp.com,aka.ms,amazonq.eclipsetoolkit.amazonwebservices.com,apac-app-bt.flextrade.com,api.au1.sysdig.com,api.ibkr.com,api.mti.threatfabric.net,api.runscope.com,app.au1.sysdig.com,app.bidfx.biz,app.bidfx.com,appdr.eu.flextrade.com,apps.readinow.com,apptio.com,aptplatform.com,aurc02poc1.tcsbancs.com,autodiscover.commbank.onmicrosoft.com,aznbcontent.net,azureml.ms,bgctrader.com,bitbucket.org,blazemeter.com,bos-ctxaac01.acadian-asset.com,brew.sh,broadcast.skype.com,cba-mule-oauth2-api-e9z9xo.5zoezl.aus-s1.cloudhub.io,cba-stage.ariscloud.com,cba.ariscloud.com,cba.jamfcloud.com,cba.ondeed.app,cba.relativity.one,cba.thoughtspot.cloud,cbaf6.estimage.com,cbafm.mc.axwaycloud.com,cbайдев01.com,cbainet.com,cbainsurance.estimage.com,cbaitest01.com,cbapoc.eutest.eophcp.com,cbastaffsocialcharityclub.spiffystores.com,cdn.openfin.co,cdn.sdc.webmethods.io,cdnjs.cloudflare.com,chat.sidekick.hr.cba,chat.sidekick.hr.stg.cba,chatgpt.com,chatgpt.livekit.cloud,chownow.com,client.go-sign-desktop.com,clientconfig.passport.net,clients.qrm.com,cloudability.com,cloudapp.net,cloudconfigivity.webpush.freshchat.com,cloudimanager.com,commbank.commbank-prd.prd.aus.cfgreenbuildings.com,commbanksurveys-primary.vanitydomains.qualtrics.com,commonslibrary.parliament.uk,confirmation.com,connectivity.service.signalr.net,consilium.europa.eu,control.akamai.com,cpo.sscgateway.com,crm6.dynamics.com,csp.withgoogle.com,d3zqyxnkgrm1p.cloudfront.net,datazone.ap-southeast-2.api.aws,dev.bankwest.pega.cba,dm83vx02h322b.cloudfront.net,dms.markitserv.com,dns.msftncsi.com,documentforce.com,docusign.com,docusign.net,drm.imsidesign.com,dwcitrix.bw200.apac.sdn.es.com,ei-prod-survey-cdn.azureedge.net,ess-a-bagel.com,external11.collaboration.hp.com,fifthdimension.sharepoint.com,firststate.fsiorg.com,force.com,fs.firststateinvestments.com,ftcprod.rba.gov.au,ftctest.rba.gov.au,github.com,github.global.azure-devices-provisioning.net,gscrb-cst-test-gsc.vfims.com,icapfusion.com,icids.ucn.net,icloud.com,idetoolkits.amazonwebservices.com,indianvisaonline.gov.in,inference.location.live.net,ion.fsi,iondev.fsi,ionuat.fsi,iplocation.net,jcds.apse2.inf.jamf.one,json-schema.org,lens-speedtest-04.eastus.azurecontainer.io,lightning.com,liveperson.com,localhost.emudhra.com,login.live.com,login.microsoft.com,login.microsoftonline.com,login.windows.net,lpsnmedia.net,main.d1dwvvt73uyhsf.amplifyapp.com,maxmind.com,member.afca.org.au,mvnrepository.com,my.imanlocal.com,myemailanywhere.org,myencrypt.org,mylocation.org,ndc1_hb1.ibllc.com,ndcdyn.interactivebrokers.com,notebooks.azure.net,ocsp.entrust.net,oecd.org,oneclient.sfx.ms,openai.com,otcsimulator.connect.asxonline.com,planview.com,platform.linkedin.com,portal.mdp.fca.org.uk,portal2-au.ficocc-cqa.net,posttradeinsight.com,pvt01.eu.mr.1global.com,qa.interactivebrokers.com,quillbot.com,rubygems.org,rufus.readinow.com,salesforce-communities.com,salesforce-experience.com,salesforce.com,sandbox.api.mastercard.com,sdc.webmethods.io,showmyip.com,signum.quantifind.com,slp-statics.astockcdn.net,snyk.io,spoprod-a.akamaihd.net,sso.posttradeinsight.com,stex.360t.com,survey.willistowerswatson.com,sway.com,teradatavault.secretservercloud.com,tile.openstreetmap.org,tradeweb.httpstvc.vitalstreamcdn.co

```
m, trading.glmx.com, trading.stg.glmx.com, trading.yieldbroker.com, traxinsight.com, uat.decisionpoint3.com, uat.yieldbroker.com, virtualdesktop.rtdomau.local, visualforce.com, webappphones.asbbank.co.nz, whatismyip.com, whatismyipaddress.com, where-am-i.co, windows.net, windowsphone.com, wiz.io, www.cbacea.com, www.clientam.com, www.google-analytics.com, www.googletagmanager.com, www.lma.eu.com, www.members.equilend.com, www.mfstncsi.com, www.msftconnecttest.com, www.public.equilend.com, www.sway.com, wwwpoc.nms.tcnza.com, xact.clearstream.com, xenapp.flextrade.sg, zafin-pre-prod.auth0.com, zoom.us"
```

Well, I told you, you should use Alpaca 😊 ...

The ultra-compact

I manually tested the domains below and can confirm they should go direct.

However, since these are condensed using wildcards, they may not be 100% accurate. Some subdomains might be proxied while others go direct for the same domain or tld

```
1 no_proxy="localhost,.localhost,127.0.0.1,10.*.*.*,170.209.*.*,*.adobe.com,*.amazonaws.com,*.apple.com,*.atlassian.com,*.azure.com,*.azure.net,*.azureedge.net,*.azurewebsites.net,*.bitbucket.org,*.cba,*.cba.com.au,*.cbaidev01.com,*.cbainet.com,*.cbaitest01.com,*.cbatest.com,*.cmbank.com.au,*.commsec.com.au,*.force.com,*.github.com,*.githubusercontent.com,*.googleapis.com,*.icap.com,*.microsoft.com,*.microsoftonline.com,*.office.com,*.oraclecloud.com,*.refinitiv.com,*.salesforce.com,*.snyk.io,*.tradeweb.com,*.windows.net,*.zoom.us"
```

✉ Helpful? Drop me a thanks on [Achievers!](#)

And if you've got knowledge to share, don't hold back - we all grow when we learn from each other 💡