ShadowSpawn BBS Presents...

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\\\   HACKING THE RSTS/E SYSTEM     \\\
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\\\         >>> VOLUME I <<<        \\\
\\\                                 \\\
\\\     BY THE WHITE GUARDIAN       \\\
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PREFACE

SO, ALL OF YOU PEOPLE WHO HAVE GROWN
USED TO USEING THE DEC PDP-11
COMPUTER IN YOUR SCHOOL OR OFFICE,
HERE IS AN INDEPTH LOOK AT THE SYSTEM
AND WHAT CAN BE DONE WITH IT.

THE AUTHOR OF THIS ARTICLE TAKES NO
RESPONSABILATY FOR ANY OF THE ACTS
THAT MAY FOLLOW TE READING OF THESE
ARTICLES. THEY ARE STRICTLY WRITTEN
IN A INFORMITVE MODE TO TEACH THE
DEC USER MORE ABUT THE SYSTEM HE IS
ON.

            ACCOUNTS

TO START THIS ARTICLE BASICLY, WE
WILL BEGIN BY DISCUSSING ACCOUNT.
THERE ARE TWO BASIC TYPES OF ACCOUNTS
THAT ARE ACTIVE ON THE SYSTEM. THERE
IS THE USER ACCOUNTS AND THE SYSTEM
MANAGER ACCOUNTS.

[1,*]

THESE ARE THE SPECIAL ACCOUNTS THAT
HAVE ALL OF THE OFFICIAL POWER ON
THE SYSTEM. THEY ARE ABLE TO GET
ONTO ANY ACCOUNT, GET AT ANY FILES,
AND DO ANYTHING THEY WANT TO. THESE
ACCOUNTS ARE LIMITED TO THE SYSTEM

OPERATERS. MORE ON THESE POWERS WILL
BE DISCUSSED LATER.

[0,1]

THIS IS THE ACCOUNT THAT IS WERE
MANY MAJOR SYSTEM FILES ARE STORED.
YOU CAN FIND THE ERRORS STORED HERE
AND THE DCL PROGRAM. THERE ARE ALSO
A FEW OTHER FILES THAT HOLD LITTLE
VALUE TO THE SERIOUS SYSTEM HACKER.

ALL OTHERS

THESE ARE JUST BORING ACCOUNTS ON
THE SYSTEM THAT CONTAIN NO POWER
AND CANNOT BE GIVEN POWER UNLESS
BY WAY OF SOFTWARE THAT YOU CAN
WRITE. I WILL ALSO DISCUSS THAT
LATER.

PROGRAM EXAMINATION #1 - $LOGIN.BAC

LOGIN.BAC WAS A PROGRAM WRITTEN BY
DIGITAL EQUIPTMENT CORPORATION.
IT IS USED TO LOG A USER ON TO THE
SYSTEM AND WATCH FOR SECURITY
VIOLATIONS.

WHEN YOU FIRST GET ONTO THE SYSTEM
YOU WILL SEE SOMETHING LIKE THIS:

RSTS/E VERSION 8.1 [SCHOOL NAME] LOCAL
  JOB X [DATE] [TIME]

ENTER USER #:

AT THIS PROMPT THE LOGIN PROGRAM IS
EXPECTING TWO NUMBERS DIVIDED BY A
COMMA. IT MAY BE INTERESTING TO NOTE
THAT THESE NUMBERS ARE NOT REALLY
TWO NUMBERS BUT A STRING. ANYWAY, THE
NUMBERS RANGE FROM 0 TO 255 ON BOTH
SIDES OF THE COMMA. THE COMMA CAN
ALSO BE REPLACED BY A SLASH.

NEXT, AFTER YOU HAVE ENTERED YOUR
ACCOUNT NUMBER, YOU WILL COME APON

A PROMPT SAYING:

PASSWORD :

A PASSWORD CAN BE BETWEEN 1 TO 6
CHARACTORS AND THESE CHARACTORS MAY
BE ONLY LETTERS OR NUMBERS. THAT
MEANS THAT THERE IS A TOTAL OF 36
DIFFERENT CHARACTORS THAT COULD BE
IN EACH POSSITION OF THE PASSWORD.
PASSWORDS DO NOT HAVE TO BEGIN WITH
A CHARACTOR. BY THE WAY, ANY ACCOUNT
THAT HAS A PASSWORD OF ?????? IN
UNACCESSABLE TO ANYONE ON THE SYSTEM
BUT A SYSTEM OPERATOR.

FOR THOSE OF YOU DARING PEOPLE WHO
WOULD LIKE TO GET INTO A 1 ACCOUNT,
YOU WILL RECIEVE A FURTHER PROMPT.
YOU WILL SEE:

AUXILARARY PASSWORD :

THIS IS A FUNNY PASSWORD. THEIR IS
ONLY ONE AUX PASWRD FOR ALL OF THE
ONE ACCOUNTS. IT IS WRITTEN INTO
THE MAIN PROGRAM AND ASSUMES THE
VARIABLE NAME L.PASS. IF YOU ARE
TO GET AHOLD OF A LISTING OF THE
LOGIN PROGRAM YOU WILL FIND IT SOME
WHERE NEAR THE END OF THE PROGRAM.

THE REASON FOR THIS PASWRD IS NOT
ONLY BECAUSE OF THE ADDED SECURITY
IN HACKERS, BUT BECAUSE WHEN A SYSOP
RUNS A PROGRAM CALLED MONEY(TO BE
DISCUSSED LATER) HE CAN PRINT OUT
A LIST OF TH PASSWORDS. THIS SHEET
WILL HAVE THE ACCOUNTS,AND ALL OF THE
OTHER INFORMATION ABOUT THESE
ACCOUNTS INCLUDING THE PASWRDS.
THE AUX PASWRD IS NEVER ON THESE
LISTINGS.

POINTS ABOUT LOGIN

IT IS POSSABLE TO PUT SECURITY INTO
THIS PROGRAM WITH ONLY SMALL AMOUNTS

OF MODIFCATIONS. THE LOGIN PROGRAM
HAS A PART OF IT THAT WILL SEND A
PACKAGE OF DATA TO ANOTHER PROGRAM
FOR PROCESSING. IT SENDS STUFF LIKE
TIME, ACCOUNT LAST ON,ACCOUNT THE
PERSON WAS TRYING TO LOG ONTO, PASWRD
USED AND A WHOLE BUNCH OF OTHER
STUFF. NEVER LOG ONTO TO ANOTHER
ACCOUNT DIRECTLY FROM YOUR OWN. I
KNOW A GUY WHO WAS BUSTED BECAUSE HE
LOGGED DIRECTLY FROM HIS ACCOUNT TO
A TEACHERS ACCOUNT, AND THEN BACK TO
HIS ACCOUNT AGAIN. THE SYS-OP CAME
UP TO HIM AND SHOWED HIM HOW THERE
WAS A COMPLETE RECORD OF ALL ACTIVITY
ON THE SYSTEM. MOST PEOPLE DO NOT
HAVE TOWORRY ABOUT THIS SITUATION...
IT IS ONLY THE ONES WITH PARANIOD
SYS-MANG THAT HAVE TO WATCH OUT.
A PROGRAM YOU SHOULD ALL WATCH OUT
FOR IS LOGLOG. IT IS FOUND IN THE
MESSAGE RECIEVERS OF THE SYSTAT
LISTING. MORE ON SYSTAT AND WHAT XOU
CAN DO WITH IT LATER.
 ANYWAY, ALWAYS MAKE A POINT OF
CHECKING THE SYSTAT BEFORE YOU LOG
ON EACH TIME. IF ANY OPRS ARE PRESENT
AND THEY ARE ACTIVE, DON'T LOG ON.

OTHER LOGIN COMMANDS

HERE ARE A FEW OTHER THING THAT CAN
BE DONE WITHOUT LOGGING ONTO A SYSTEM

SYSTAT - ON MOST SYSTEMS, IT IS
         POSSABLE TO TYPE THIS AND
         GET A LISTING OF WHO IS ON
         THE SYSTEM. IT WILL GIVE
         YOU HINTS ABOUT ACCOUNTS THAT
         ARE ACTIVE AND OTHER NOTABLE
         DATA ABOUT THE SYSTEM

I<PROJ,PROG) - ANOTHER WAY TO LOG IN

HELLO,LOGIN, LOG - WAYS TO START

HELP - THIS COULD DO ANYTHING...

CONCLUSION

WELL, THATS ALL FOR THIS VOLUME OF
HACKING THE RSTS/E SYSTEM. IF ANY
BODY IS INTERESTED, I GOT MOST OF
MY DATA BY ENTERING THE SCHOOL
COMPUTER AND PRINTING OUT CERTAIN
FILES AND SUCH. IT WAS AN INTRESTING
EXPERIENCE.

NEXT MONTHS ISSUE WILL DISCUSS
THE LOGOFF PROGRAM AND THE SYSTAT
PROGRAM. SOONER OR LATER I WILL
TELL YOU HOW TO GO ABOUT GETTING
SYSTEM PASSWORDS AND SUCH.....

FUN HINT #1

EACH VOLUME I WILL GIVE YOU A CUTE
LITTLE TRICK THAT YOU CAN TRY ON
YOUR SYTEM TO GET IT TO DO SOMETHING
WIERD. TRY THIS ONE.

GET ON YOUR ACCOUNT AND THEN TYPE
THE FOLLOWING:

PIP *.*/RTS:FUCKUP<RETURN>

TYPE DIR/S OR PIP/DI:S

LOOK AT YOUR RUN TIME SYSTEM....

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\\\                                \\\
\\\ UNTIL NEXT TIME...             \\\
\\\                                \\\
\\\ IT WAS THE BEST OF TIMES,      \\\
\\\ IT WAS THE WORST OF TIMES...   \\\
\\\                                \\\
\\\          THE WHITE GUARDIAN    \\\
\\\               H.  O.  T.  K.   \\\
\\\                                \\\
\\\  TO CONTACT: CATS DEN I,II,IV  \\\
\\\              4TH REICH,POISON  \\\
\\\              DAGGER, AND MANY  \\\
\\\              OTHERS..........  \\\
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