ERS 98

Emergency Recovery System 98
For Windows 95 and Windows 98

Features

ZDNet had this to say about **ERS**:
"Don't be a formatting expert, Recover gracefully from any system crash with **ERS98**."
ZDNet awarded ERS98 a five star rating.

Microsoft & WUGNET has selected ERS32pro into their **Shareware Hall Of Fame** and it is showcased as a **Microsoft/WUGNET** Windows 95 Shareware Pick of the Week for Jan 26, 1998.
The Windows Users Group Network [WUGNET], operators of the oldest and largest independent support resource forum [WINUSER] for Windows users   on CIS with over 1,000,000 active members is recognized in the press, user groups, developers, and Microsoft as the foremost resource for shareware publishers on CompuServe and the Internet.
This shareware application can be found in the WINUSER Forum on CompuServe, an official distribution and support online resource for future updates. Search for <ERS98.zip>
http://www.wugnet.com

PCWOrld magazine said:
"Here's a backup and recovery system for Windows 95 that will give you some peace of mind"

Windows Magazine listed **ERS** in the top ten shareware programs of the June 97 issue, and in their 1997 Winter edition, called it "the must have utility".

No more "I can't access Win95, it locks me out and I am left out."
No more worries about the registry going bad on you.
No more valuable time wasted trying to fix Win95.
No more Win95 nightmares.
No more worry about editing the registry or Win95 System files.
Don't be left out in a black MS-DOS screens not knowing what to do next.
Why waste valuable time in trying to figure out what went wrong.
Why risk your business and be without computer for hours perhaps days.
Why risk having to reformat your hard drive to get a fresh start?

ERS will get you a fresh start and save you many painful hours of wasted time and effort. ERS creates backups of Win95 System and Registry files. Should those files get corrupted, replacement backups will then be available.

ERS works like "magic". In two minutes you can restore from backups and will be on your way computing, instead of trying to manually

troubleshoot or reinstall Win95.

ERS is unlike other disappointing, copycat backup/restore programs, its the legitimate original, proven to make successful restores since February of 1996.

Some of ERS98 features:
3 day or 7 day rotary auto or manual Win95 system files backup,
3 manual system files backup,
Two Win95 222 Vital files backups,
Two Win95 10 Startup files backups,
3 Week rotary backups.
Windows and Windows\System files backup.
ERS Boot Disk,
Zip backups,
Scheduler for users that don't turn their computer off.
Add 3 files of your choice to backups with option to restore.
Associated file notations,
Profiles backup,
and Tool tips.
Vital files backup includes files that are over written by the Internet Explorer 5.0.
Virus attack backups, click Options\Virus Attack Backup.

ERS keeps its data in its own registry (.dat files) instead of using Win95 Registry. ERS doesn't make any modifications or entries to the Registry or any other system files, it merely makes new ERS directories, then copies ERS files to the appropriate directories. It places a Shortcut icon in the Start menu for easy access.

LEGEND:
Where Win95 is mentioned it applies to Win98 also.
Where C:\ is mentioned, its considering "C" is the boot drive,
Where C:\Ers98   is mentioned, its considering you have installed ERS98 in that same directory.
Where C:\Windows is mentioned, its considering Windows is the Win95 or Win98 Windows Directory.
Where ERS is mentioned, it's the same as ERS98 in this program.
ERS runs in NEC computers that uses A as the boot drive
and would recognize the Windows directory no matter what name it is called.

ViruBack

Virus attack Backup and Restore

OverView

Please read ViruBack help for Virus protections tips, In ViruBack
click Help\Help.
This program was made when the Melissa, Papa and the CIH /SpaceFiller
viruses started flooding the Internet Mar, 1999.
It could be a nightmare if attacked by a virus and lost all executables
then have to reinstall Windows and all programs in your computer
just to restore the executables.
Zip files don't get infected unless they are opened and files
executed from it.
You may not loose infected files after an antivirus has disinfected
them but you will loose infected files creation date, so a restore from
ViruBack will restore computer original files untouched.

ViruBack will zip files that are most vulnerable to be infected
*.exe *.com *.sys *.doc *.xls *.ppt
with option to add and remove as you see necessary.

Option to backup the whole drive or the Windows directory.
Drives backup can be restored from within Windows, after the
Windows directory, computer boot files and Viruback.exe have been
restored from a bootdisk to get Windows started.

Each backup could use anywhere from 5 to 70 MB depending how many
programs you have installed and type of work that you do.

It will copy one restore batch file RestWinV.bat, Choice.com,
Pkunzip.exe, Edit.com, Attrib.exe, Msdos.bck(Msdos.sys backup)
and this program ViruBack.exe to a boot disk that you should
have ready or make from ViruBack Options menu.
Running RestWinV.bat from the bootdisk will restore Windows
executables and the computer boot files Io.sys, Command.com
and MsDos.sys.
It also restores ViruBack.exe to the ERS98 directory so you
can run it and be able restore the drive(s) executables from
within windows.
Recommend strongly to use the Win & Win\Sys backup in ERS98
and restore from if necessary.

Preparation before backing up

a) The Recycle Ben is excluded from being backed up but better
   empty it before making backup(s).
b) For faster backup, better empty all your Windows\Temp and
   Internet Temp files.
c) Be sure the computer is virus free and you have scanned all
   drives thoroughly from within Windows also from MS-DOS
   using a MS-DOS antivirus software after a cold boot.

(Please read the Virus checking tips section in ViruHelp.)

d) Make and test run a boot disk, click Options\Make a bootdisk,
    select to "Full format" floppy and to "Copy System Files".
    If you don't full format it using a Win95/98 formatting tool
    then the bootdisk might fail to boot computer.
e) Rename large self extracting EXE downloads extensions, such as
    Internet explorer 4.0/5.0, Netscape or any download that
    has the .exe extension that you don't want them to be backed
    up but in the same time protect them from being infected.
    Rename their extension to .ex_ for example.

Backup Instructions

Open ViruBack, start at the very top and select one of the two backup
options, "Drive Backup" or "Windows directory backup".

1) Select to backup the Windows directory or a drive one at a time.

2) Select destination where you would like to save the backup.
    Windows backup name should be in MS-DOS 8.3 short name and
    drive backup have to have the drive letter at the beginning
    of it.
    Example C_DriveV.zip, the C used to identify backup.

    Windows backup saved as WinVback.zip, it will be converted
    to MS-DOS 8.3 short file name format if it is more than eight
    letters.
    Best to keep and save the Windows backup in one of the hard drives,
    you can store the others in a Zip disk or CDR.

3) Add/Remove extensions, be sure to leave one space only in between
    each wildcard, no more and no less.
    *.exe *.com *.sys *.doc *.xls *.ppt
    Double check that only one space is in between.
    *.exe *.com *.sys (executables and system files, a must backup.)

    *.doc *.xls *.ppt (Microsoft Office, document, Excel and Power Point).

4) Options:

  a) Update backup
      A time saver when re-making a backup, it will add new files and
      replace old with newer files but will not remove any.
      Don't select to update if your backup is too old and you have
      uninstalled many programs, because when restoring it will restore
      all zipped files and will make path if path not found.
  a) Skip Locked Files(not recommended)

      It will skip files that are in use.
      If not selected and one file is locked, then backup will fail.
      To be sure that none are locked, close all applications then
      press Ctrl+alt+Del, End Task all except, Explorer, Systray and
      ViruBack before making the backup and you should be OK.

5) Click the backup button and wait, zip has to scan the drive first
   then it will start zipping.
   After Windows backup it will prompt you to copy the Windows
   restore batch file and necessary restore files to the boot disk.
   If you don't have a boot disk ready, then you can do it later
   by clicking Options\Copy Restore Batch to a Boot Disk.

To update backups:
   Double click from list to transfer backup configuration to Source
   and destination, it will transfer previously selected paths but you
   still have to Add/Remove extensions again.

Restore Instructions

Restoring and Starting Windows

After a virus attack such as the Monkey boot virus nothing would run.

Once you are sure that the antivirus have cleaned the computer,
deleted, renamed or removed virus from infected files.
(done by using a MS-DOS antivirus software).

Boot computer with the ViruBack boot disk in the floppy drive
to restore the Windows directory first,
once booted, type
RestWinV
It will restore all Windows executables.
It will restore Io.sys, MsDos.sys and the Command.com so you
can boot computer.
It will restore ViruBack.exe to the ERS98 directory so you can run
it and be able restore the drive(s) executables from within windows.

Above will get Windows started.
Recommend strongly to use the Win & Win\Sys backup in ERS98
and restore from a ERS98 bootdisk if necessary.

Restoring Drives

After you have restored Windows, only ViruBack.exe can be
ran from within windows.

Run ViruBack, start at the very top and select one of the
restore Action options.

Double click the the desired backup to be restored from
the list then click the Restore Backup button, be sure
drive and path the Destination drive are transferred correctly.

Menus

Edit Menu

1) To delete a backup, click Edit\Delete backup or right click and

select Delete Backup.

2) To remove a listed backup without deleting it, click Edit\Remove from List
   or right click and select Remove from List.

Option menu

1) Copy Restore Batch file to boot disk, that will give you another
   chance to copy batch file, and all required files to the boot disk.
   Pkunzip.exe is copied from the ERS directory.
   Choice.com is copied from Windows\Command.

   Edit.com is copied from Windows\Command.
   Attrib.exe is copied from Windows\Command.
   NOTE: If you have Win95 950 (1995 release) installed from floppies then
   Choice.com will not be found in the Windows\Command directory, download at
   http://www.mslm.com/ersmore.htm

2) Make A Boot Disk, you can select to make a boot disk, be sure to Full
   format bootdisk with the option "Copy System Files" selected.
   Test boot disk to be sure it boots OK.

3) Set ZipTemp Drive

   Zipping needs a Temp working folder to do the work.(about 20% of the
   backup being backed up).
   Be sure there is enough free hard disk space for zipping.
   Don't set Zip Temp in a Network computer or non fixed drives.
   Change Zip Temp Path if you are backing up a hard drive
   and the Zip Temp is in the drive being backed up.

Quick How to

Simply make the backups by clicking the appropriate button.
Click the Notes Check box and add backup notes if you wish.

Select and add either the 3Day or 7Day rotary backup to the Startup
folder. By doing so, there after on each startup, Auto backup will check
backup time and date, will pop up if your last backup is more than
22 hours old (optional).
There is an automatic 50 seconds time delay (optional), you can cancel
the backup if you wish, or bypass the 50 seconds delay by clicking the
"Backup Now" button.
To change default backup interval or delay time, in the ERS98 click
Options\Change 7 Day or 3 Day Autobackup Settings.
Auto backup **doesn't** use **resources**, and it will pop up only if your
backup is 22 hours old. Increase the delay seconds, if you have
programs that run on startups, such as Antivirus.

Click Options\Add other files to backups, there you can add 3 extra
files of your choice to system files backups.
(system files backups are, 3 Day, 7 Day, BackupA, B and C)
Please don't add your personal notes or files to be backed up with ERS
backups if you selected these files be restored with ERS.

Select and add the Weekly backup to 3 Day or 7 Day by selecting one
of the check boxes in ERS 98 and it will backup once every 8 days.

Select to Add 3Wk rotary to the 3Day or 7Day, it will rotate three backups
once every 8 days.

Select to zip backups if you wish, saves on hard disk space but it
takes longer to do backup.

Note: You can set auto backup interval as much as 70 hours, which
will make the auto backup to backup once every three days instead
of daily, making the 3Day spread to 9Day and the 7Day spread to
21Day rotary backups.

Manually backup, "Vitals1", "Startup1" and system files backup
"BackupA" by clicking the proper buttons.
Backup all the files in the Windows and Window\System directory
by clicking "Win & Win\Sys" button.

To restore from backups:
Just remember the word "ERS".

Start or restart computer, when you see "Starting Windows 95 or 98",
quickly press F8 (might have to press Ctrl instead, in Win98).
Then select the "Command Prompt Only" from the menu,
don't select "Command Prompt in Safemode".

Type ERS at the command prompt, then Type one of the ERS restore
commands that will pop up on the screen. You will see backup's dates
and your notes, allowing you to decide which backup you need to

restore from.

Once restoring is finished, restart computer by pressing Ctrl+Alt +Del,
now your system is perfectly restored.
Don't ever type "Win" or "Windows" at the Command Prompt to return
to Windows.

If you upgrade to Windows 98 or to a newer operating system, click
Options\Update ERS for Win98 or new OS. Update again if you go back
to Win95.

NOTE: A free ERS scheduler called Timer.exe is available for those who
keep their computer on all the time.
If you already have a 3rd party scheduler running tasks, then there
is no need to run the ERS scheduler, you can set it to run ERS
auto backup by making it point to AutoErs.exe.
Click Option\ERS Scheduler, set backup time and select "Start timer
and Add to Startup", click Hide and it will place itself in the Systray.
Deselect 3Day or 7Day if already selected, click "Options\Change 3Day
or 7Day Autobackup Settings" and set interval hours to zero.

When you have time, make an ERS bootdisk, click Options\ Make
ERS Bootdisk.
Print the restore section of this help file, and save it for a rainy day.

NOTE: Click any of the backup date\time stamps to view the files of
that backup.

New:
Read Microsoft AutoScan and ScanReg viscous circles, in the
Restore section.

Virus attack backups, click Options\Virus Attack Backup.

Where Win95 is mentioned it applies to Win98 too.

THE LEGAL AGREEMENT

ERS 98 has have been thoroughly tested, and it has constantly been
successful in completing its design specifications of restoring Win95/98 all
System files listed in the Overview section.

NO LIABILITY FOR CONSEQUENTIAL DAMAGES

In no event shall the publisher, the author, nor their suppliers be liable
for any damages whatsoever {Including, without limitation, damages for loss
of business profits, business   interruption, loss of business information,
or any other pecuniary loss) arising out of the use of, or inability to use
this product, even if being advised of the possibility of such damages.

Although some state jurisdictions do not allow the exclusion or limitation
of liability for consequential or incidental damages, the above limitation
still apply to you. It is your responsibility to read the readme.txt file
before installing.

ERS *98*

Emergency Recovery System 98
For Windows 95 and Windows 98

Theodore Fattaleh author, programmer and publisher.
All Program Names are Registered Trademarks of their
Respective Owner.
http://www.mslm.com   same as
http://www.multisyslaunch.com
My Email addresses:
twf@flash.net
2000@msn.com
2000ted@compuserve.com

Many thanks to all who contributed to get ERS out of beta.

CREATING BACKUPS

Explanations of backups.
Also see Auto backup.
(read the Restore section on how to restore.)
Where Win95 is mentioned it applies to Win98 too.
Read about Zipping below.

System Files Backups
Includes the Registry files and all Windows System files that normally
are the major cause when having trouble with Windows.

3Day Rotating:

This is a three day rotating backup. If you are using the seven day
rotating   backup, this will overwrite day 1, day 2 and day 3 of the 7
day backup routine.   {if you are indeed using the seven day rotating
backup}.
Once you execute the backup,
backup in day 3 will be deleted, backup in day 2 will transfer to day 3,
backup in day1 will transfer to day 2 and a fresh backup will be placed
in Day 1.

In other words , once you execute 3 Day rotating, today's backup will be
placed in Day 1, yesterday's in Day 2 and the day before yesterday will
be placed in Day 3.

7Day Rotating: (Recommended)

This is a seven day rotating backup, if you are using the three day
rotating backup and decide to go to the seven day rotating backup, this
will overwrite the routine Day 1, Day 2 and Day 3 of the 3Day Backup.

Once you execute this backup
backup in day 7 will be deleted, backup in day 6 will transfer to day 7,
backup in day 5 will transfer to day 6, backup in day 4 will transfer to day 5,
backup in day 3 will transfer to day 4, backup in day 2 will transfer to day 3,
backup in day 1 will transfer to day 2, and a fresh backup will be created in
Day 1.
Hope I didn't confuse you.

Day1->to->Day2->to->Day3->to->Day4->to->Day5->to->Day6->to->Day7
->gets Deleted, then creates new backup in Day1.
All above backups are made in C:\ERS98\D1, D2, D3..through...D7 folders.
If you don't understand the above, just click on 3Day Rotating then
7Day Rotating and notice the movements of the backup dates moving
from top to bottom.

3Week Rotating
3Week is a 3 rotating backups, it backs up once every 8 days, add it to the
3Day or 7Day by selecting the check box and it will backup along 3Day or 7Day.

When making a 3Week backup, it backs up independently the Vmm32.vxd file,
restore Vmm32.vxd only if you get a message that the VMM32.vxd is damaged,

there is no instructions on how to restore VMM32.vxd when you type ERS at the Command Prompt Only, you need to remember that typing VMM1 restores VMM32.vxd from this week, typing VMM2 restores from last week and VMM3 restores from the week before.

BackupA, BackupB and BackupC:

BackupA, BackupB and BackupC are manual backups of System files that are made independent of each other.
These backups are made in C:\ERS98\BackupA, BackupB, BackupC folders.

All the above are System files backups.

Vitals1 and Vitals2:

Are backups of about 222 Win95/98 essential files which are most likely to get over written or corrupted, backing up these files could save you a Win95 re-install or a format of the hard drive, keep them current and keep only one backup. After you install a new program do another backup in Vitals2, wait few days then delete the older one.
You will find these backups in Vitals1, Vitalw1 and Vitals2, Vitalw2 and uses about 14 MB of hard disk space if not zipped.
The letter S in Vitals1 stands for files backed up from Windows\System directory.
The W in Vitalw1 stands for files backed up from the Windows directory.
The 1 stands for backup #1 and 2 stands for backup #2.

Startup1 and Startup2 backups:

These are the Win95 startup files, if Win95 does not start and a restore from System files backup did not help then hopefully this restore will restart your computer.
These backups are kept in C:\Ers98\Startup1, Startup2, Wincom1 and Wincom2.

Win and Win\Sys
All files in Windows, Windows\System, Windows\System\Vmm32, Windows\System\Iosubsys and Windows\Inf, can be backed up in the Win & Win\Sys backup.
The backup is zipped whether zipping is selected or not, uses any where from 15 to 50 MB of hard disk space.
The backup is more power to you.
It is important to close all applications before making this backup, including antivirus programs. Press Ctrl+Alt+Del, be sure only the Explorer, ERS98 and Systray are in the list, End task all others.
In version 8.66, a skip locked files option has been added to the Win & Win\Sys backup and Vital backups, it will skip and not backup any files that are in use, click Options\Skip Locked Files, click again to remove feature.

Note: The backup backs up only the files in the directories mentioned above, it doesn't backup the whole Windows directory and subdirectories.
Backup file names are: WinDir.zip, WinSys.zip, Sysiso.zip, SysVmm.zip and Wininf.zip.
Note: This Backup and Restore, restores important Read only files, Hidden files are no problem.

If there is un-important files that has the Read Only attribute and you
would like them to be restored when restoring from this backup then,
set their attributes to Normal.
You can identify them using AttriBat by editing the AtNorm.bat,
download at:
http://www.mslm.com/free.htm

Virus attack backups
Click Options\Virus Attack Backup or find ViruBack in the StartMenu
and read Help in the ViruBack Help menu.

Backup other files:
Be sure files do exist before making backup, remove from ERS if they no
longer exist.
Click Options\Add other files to backup, select the file and double click
either window in the bottom to transfer file path and file name. Please don't
add your personal data to be backed up with ERS backups if you selected
to restore these files with ERS, nor backup the file Vmm32.vxd, because
if you restore from ERS it will restore these files that you selected and
backup could be outdated.
Deselect Check box, if you don't want these files to get restored with ERS.

If you have Added files to be backed up with ERS backup and selected to
restore these files when restoring from ERS, then these files should be in
DOS 8.3 short name format. Files added with Long file names will not be
converted to short file names when restoring.

Zipping
All zipped backups are saved in Ers98\Zipped folder.
A licensed Pkunzip.exe is distributed with the registered version of ERS.
The licensed Pkunzip.exe to be used with ERS 98 only and not to be distributed.
ERS98 shareware get the shareware Pkunzip.exe version.
Pkunzip.exe is used to de-compress backups in MS-DOS.
State of the art 32 Bit zipping software used to zip backups in Windows.

RESTORING

Where Win95 is mentioned it applies to Win98 too.
Please print this page and save it in a safe place for a **rainy day**.

To Restore: Start your computer at the "Command prompt only".
To do so:
Start or restart computer, when you see "Starting Windows 95"
or "Starting Windows 98",
quickly press F8 (might have to press Ctrl instead in Win98),
then select the "Command Prompt Only" from the menu.
Don't select any other option, select the "Command Prompt Only"
Don't select "Command Prompt in Safemode".

TYPE ERS or ERS.BAT at the command prompt to execute ERS.bat
which has to be in the root directory. This **automatically** changes the
directory and will **place** you in the **C:\1Ers** folder, which will then show
you all the notes you have previously written along with the dates of all
the backups, also produced will be a list of the required restoration
commands.(Please read After Installing at the bottom of this page)

Restore only from the most **recent** System files backup first,
restore **only one**. If that does not help, then go back and do a restore
from an older backup.

Don't restore from a Win95/98 Startup backup unless you have Win95/98
startup problems or error messages while starting and only after a restore
from System files backup. If restoration from all the available System files
backups didn't help then you can restore   from Vitals or Startup depending
what error messages or problems you are having, there is also the backup
of the whole Windows and Windows\System directory to restore from.

Don't restore from Vital files backup unless you have error messages that
could be caused by corrupted Win95 files other than System files, or if
you want to restore Win95 vital files that were over written.

System files backup and restore is what ERS is all about.
Vital files and the   Startup files backups adds more to your power for
Win95/98 Startup problems and Win95/98 Vital files.

If Vital or Startup backups are not current then a restore from them could
cause more errors. Contrary to the System files backup, you can go back
and restore from a one year old System files backup and with few updates
you can get Win95/98 running again, but I don't encourage you to restore
and depend on old System files backup unless that is the only choice you have.

If a program is giving you errors, then restoring from ERS is not the best
remedy. The way to proceed is to re-install the program, or un-install it,
restart computer and re-install it.

****

ERS.bat gets recreated every time you close ERS or do an Auto backup,
be sure you don't have Ers.bat open when closing ERS or an Auto backup

is in progress, then Ers.bat might not be recreated.
If accidently you had Ers.bat open when closing ERS98.exe then close
Ers.bat, open and close ERS98.exe.
(If for some reason typing ERS or ERS.bat didn't function, then type,
CD 1ers, to get   to the ERS restore batch files, there type Dir/p to view
the contents of the 1Ers folder.)
ERS.bat is copied to the 1Ers folder too, you can type ERS again to view
the restore commands while in the 1Ers folder.

Once there:

Type BackupA to restore from BackupA
Type BackupB to restore from BackupB
Type BackupC to restore from BackupC
Type Day1 to restore from Day1 backup(today's backup.)
Type Day2 to restore from Day2 backup (yesterday's backup.)
Type Day3 to restore from Day3 (day before yesterday's backup.)
so on down the line through Day4, Day5, Day6 and Day7
{that is if you backup daily}.

Type Week1 to restore from Week1 backup(this week backup.)
Type Week2 to restore from Week2 backup (last week backup.)
Type Week3 to restore from Week3 (week before last backup.)

Type Vmm1 to restore from Vmm32.vxd backup(this week backup.)
Type Vmm2 to restore from Vmm32.vxd backup (last week backup.)
Type Vmm3 to restore from Vmm32.vxd (week before last backup.)

Type Vitals1 to restore from Vitals1 backup.
Type Vitals2 to restore from Vitals2 backup.

Type Startup1 to restore from Startup1 backup.
Type Startup2 to restore from Startup2 backup.

Type Winfiles to restore the whole Windows and Windows\System
files.

Type RenStart to move the contents of the Startup folder to Startup1.

NOTE: If the Autoexec.bat, Config.sys and the Dosstart.bat files size
are equal to zero 0   bytes (or empty) then MS-DOS will give you
"file not found" while restoring, but will delete these files if they are
more than 0 in size and give you "Zero files copied" message.
What that means is, if the files are over written then they are deleted
but not replaced, but will restore your system back.

REMEMBER...!!! The word to type "ERS", at the
"**Command Prompt Only**"

NOTE: You may need to add the .bat extensions to the above restore
commands.

Explanation of the multiple MS-DOS modes in Win95 or Win98:

There can be up to four instances of MS-DOS in Win95.
In case of a "clean" Win95 install, there are only three.

BUT remember... Restore the ERS backups from only one:
That one is the "COMMAND PROMPT ONLY", this is the ONLY one
to select and use, in order to successfully restore Win95 system files
using ERS.

To do so, start or restart computer, when you see "Starting Windows 95",
quickly press F8 (might have to press Ctrl instead in Win98).
Then select the "Command Prompt Only" from the menu.

**DO NOT UNDER ANY CIRCUMSTANCES RESTORE FROM ANY OF
THE FOLLOWING**

MS-DOS inside windows called MS-DOS Prompt. (**don't** use this one)

MS-DOS mode outside Windows, when you select to Shut down windows
the one appearing in the menu "Exit to MS-DOS".
(Still controlled by Win95, **don't** use this one)

When you start your computer and select F8 when says "Starting Win95"
from the menu you can select: "Previous version of MS-DOS" if you
installed Win95 on top DOS 6.22, you will have this option in the menu
to select.(**don't** use this one)

Also **DON'T** use the Command Prompt in Safemode,
absolutely NOT, you are in the Windows environment here, and MS-DOS
doesn't know Safemode.

NOTE: It may be a good idea to **print** this section and have it handy when
restore time comes.

After Installing ERS98:
Once ERS98 program is opened you will be prompted to
select shortcuts names.
Click the Done button if you are new to ERS or computers.

If you selected the default settings, then ERS is the word used
to restore from ERS98, otherwise it would be to what ever you
changed it to. In ERS98 click Help\Remind me to be reminded
of the word you changed it to.

Suggest to use the default settings

Move the contents of the Startup folder
The option will help if shortcut in the Startup folder is
causing Windows to freez-up after Windows Startups.
The batch file name is RenStart.bat, find it in the 1ers folder.
The batch file will move the contents of the Startup folder
from Startup to Startup1, you can move them back later on.

Delete Windows System Files
Added a delete batch file to delete all files in the
Windows, Windows\System, Windows\System\Vmm32,
Windows\System\Iosubsys and Windows\Inf directories.
The batch file is made after Windows backup is made.

It is useful to remove new corrupted hardware drivers or hardware
software that were added to the Windows directory and a restore
from Windows backup wouldn't help. Also good to remove added
junk after trying out and uninstalling software redeeming wasted
hard disk space. The batch file is made after a Win & Win\Sys
backup, strongly recommend to use it after testing a Win & Win\Sys
restore to be sure all backup are there.
The batch file name is DelSys.bat, find it in the 1ers folder.

Microsoft AutoScan and ScanReg vicious circles:

New feature **when restoring** from ERS98, ERS98 by-passes Microsoft
AutoScan in MsDos.sys, ScanReg and Auto restore. (Win98 and Win95 OSR2).
It does that by replacing default MsDos.sys and Scanreg.ini (win98 only)
with modified ones. Once computer is started then default MsDos.sys and
Scanreg.ini are restored.
RestDef.exe pops up after an ERS 98 restore and Windows Startup
and restores defaults. It does that only when restoring from ERS.
That is done by copying RestDef.exe to the Startup folder.

In non English Win95/98 that has extended characters in the Startup path
á, ú etc., a shortcut to RestDef.exe is permanently placed in the Startup folder
(only if you don't use the Auto Backup) which will detect an ERS98 restore on each
startup and restore default MsDos.sys and ScanReg.ini. Reason is because
MS-DOS doesn't recognize extended characters.
Just in case, if things didn't go as usual, default MsDos.sys and ScanReg.in
are backed up in the Ers98\DefBack folder, where you can restore them
manually. MsDos.sys goes in the root directory C and ScanReg.ini
goes in the Windows directory.

To disable Microsoft default settings permanently (strongly recomened),
click Options\Disable Microsoft AutoScan and ScanReg to disable features.
With Microsoft ScanReg and AutoScan, computer will go in vicious
circles which will not let you start computer at all if it couldn't fix and
restore computer.
To be sure that you are at the steering wheel, download freeware Win98Config
found in MiniApps. And read below for in detail instructions.
http://www.mslm.com/free.htm
MiniApps has over 25 very useful Freeware.

If you are using Win98:
Click Start\Run and type MSConfig, click the Advanced Tab, there deselect all
except "Disable Scandisk After Bad Shutdown", this option is pain if you are
having little problems, it un-necessarily scans the hard drive for errors wasting your
time.

Click Start\Run and type MSConfig, click the Startup Tab, deselect ScanRegistry
and both LoadPowerProfile(optional read below).
It will ask you to restart computer, click OK.
Once Restarted, open ERS98 and click Options\Disable Microsoft AutoScan
and ScanReg, it will disable AutoScan in MsDos.sys, Registry Optimization
and auto backup and restore.
The ERS98 tool   will ask you if you want to remove LoadPowerProfile, click yes
unless you are using Profiles and have different preference for Power Managemant.
The ERS98 tool will delete the following keys in the Registry:

[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Run-]
or
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Run]
Delete the Key ScanRegistry.
Delete the key LoadPowerProfile(optional read below).
You will find another LoadPowerProfile to delete in
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\RunServices-]
or
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\RunServices]
Note the dash after RunServices and Run.

LoadPowerProfile:
LoadPowerProfile is started twice to provide a power management profile before
and after you log on to Windows.
LoadPowerProfile starts as a machine service so that the default power management
settings are available when Windows 98 starts. It is loaded again after you log on to
Windows to process preferences for individual users of the computer.
This has nothing to do with Power Management, but Profiles Power Management.
Use it if you are using Profiles and have different preference for Power Management
(Not Recommended).

If you are using Win95 OSR2:
The ERS98 tool will disable AutoScan in MsDos.sys when restoring also.

Win98 Bug:
A bug in Win98 was found, it will set BootKeys=0 in MsDos.sys.
This means, you can't boot in the Command Prompt Only or any of
the MS-DOS startup menu.
ERS98 will notify you to make an ERS bootdisk if BootKeys=0 found
in MsDos.sys so you can boot in MS-DOS and restore from ERS98.
To be sure that BootKeys=0 is set to BootKeys=1,
click Start\Programs\Windows Explorer,
click View\Folder Option and click the View Tab,
there select Show all files.
Go to the root directory C, right click MsDos.sys and deselect Read Only
and click OK,
double click MsDos.sys and select to open it with Notepad,
in the very bottom be sure that BootKeys=1.

MS-DOS BUG
It doesn't recognize extended non English characters.
á, ú etc.
In Non English Win95/98 only, if extended characters detected then:
Instead of copying RestDef.exe to the Startup folder while in MS-DOS,
it makes a shortcut to RestDef.exe in the Startup folder while in
windows (only if you don't use the Auto Backup), then on each startup
RestDef.exe checks if a restore from ERS98 was made and restores
defaults.

AUTO BACKUP

Auto Backup feature doesn't use any resources, it is activated with
Win95 startups but will not open unless backup is more than
22 hours (optional) old, a 50 seconds (optional) pause before commencing
backup gives you a chance to cancel backup and doesn't overload Win95
startups.
You can change the default 22 hour setting and the   50 seconds pause by
clicking on the "Stop timer" when auto backup pops up.
Or click Options\Change 7Day or 3Day settings, to set preferences.

Do change the 50 seconds if you have a program that executes and will
be running on startup within the 50 second period and could clash with
AutoErs, such as antivirus auto scan.
Note: You can set auto backup interval as much as 70 hours, which will
make the auto backup to backup once every three days instead of daily,
making the 3 Day spread to 9 Day and the 7 Day spread to 21 Day rotary
backups. Setting the interval to 22, 46 or 70 instead of 24, 48 and 72 will
give you two hours, if you start your computer at different minutes at a
usual time. Let us say you start your computer at 8 AM daily, but
sometimes you start at 7:30 or 7 then backup will still commence.

There are two ways to backup using Auto backup.
The 3 Day or 7 Day, Please refer to the Backup section to read about
these two backup functions.
By Selecting 3 Day or 7 Day, ERS will backup daily automatically upon
startups, it will show up only once every 22 hours and will pause for 50
seconds before commencing backups giving you a chance to Cancel
backup it if necessary, also you can bypass the 50 seconds pause by
clicking on the "Bypass timer, backup now"

The name of the Auto backups file is AutoErs.exe,
the shortcuts that are placed in the Startup folder is called AutoErs.lnk.

You can select only one automatic rotating backup, 3 Day or 7 Day .
When you select 3 Day then 7 Day configuration are changed on
the same AutoErs.exe. (unlike ERS32pro where each had one exe.)

Notice view Window # 1 when you add or remove the 3 Day or 7 Day
Auto backup from the startup folder.

To view the Startup folder **click** on the label that says
"Auto back add to startup"

Timer: A free ERS scheduler called Timer.exe is available in the
ERS98 directory for those who keep their computer on all the time.
If you already have a 3rd party scheduler running tasks, then there
is no need to run the ERS scheduler, you can set it to run the ERS
backup by making it point to AutoErs.exe.
Click Option\ERS Scheduler, set backup time and select "Start timer
and Add to Startup", click Hide for it to go in the Systray.
Deselect 3Day or 7Day if already selected, click "Options\Change 3Day
or 7Day Autobackup Settings" and set interval hours to zero.
Don't copy any ERS files outside the ERS98 directory, third party

schedulers has to point to the location of AutoErs.exe in the ERS98.
If you are using 3rd party scheduler, open ERS Scheduler and select
3Day or 7Day and close it. Then delete the Timer shortcut in the Startup folder.

Note: When you close the ERS program is when ERS.bat gets
recreated in C:\   and gets copied to the C:\1Ers folder.

3 Week Auto backups
Select the check box to add 3Week Rotating backups to 3Day or 7Day,
backup will commence once every 8 days after the daily backup when due.
AutoErs checks daily on when the backup is due and executes it once
the 8 days has past.

Win95/98 PROFILES

Win95/98 Profiles are Desktop and Shortcuts settings that are selected
by different individual users, The next person who logs on to Windows
can change settings without affecting the settings you prefer.
The next time you log on, your settings will be restored.
In another words, if computer is used by more than one person, then
each person can set his/her Profile, each Profile well have Desktop
settings and a Start menu of their own. When you start computer you
can select your own Profile.
Each Profile has User-ID and Password to access it when starting
Windows.

Many computers have Profiles feature added as an option and users
don't know that they are added.
If you don't know about profiles and Profiles option is selected and
wondering what's happening to your shortcuts in the Start menu or
Desktop, you will find them in C:\Windows\Profiles.
If you decided to delete Profiles you will have to copy missing
shortcuts from C:\windows\Profile\Profile Name to the main StartMenu
and Desktop configured without profiles.
Be very careful in configuring and deleting profiles. To Select or
Deselect Profiles, go to the Control panel\Password Icon\Users
profile Tab.

End Note

Now in ERS... select the Configure Profiles check box, click the Browse
button select profile name(Long File names, spaces, under score is OK),
be sure the yellow folder of the profile name is in the open position and
click the Add To Profile # button to transfer profile name, do the
same with the other profiles.
To save settings, de-select the Configure Profile check box.

If you should change the profile name all backups of the older name will
be deleted.

The **actual Profile files** are:
User.dat and **User.da0**(Win95 only), these are **different** from the **User.dat** and
User.da0(Win95 only) in C:\Windows which are   backed up with ERS system files
backup. (Win98 doesn't use the .da0 files)

If Profiles are selected in Control panel\Password Icon\Users profile Tab.
then each   user will have his or her own User.dat and user.da0(Win95 only).

New windows will popup if you have selected and added profiles to ERS to
view these two files when backed up or deleted.

Check physically C:\98\Profiles, P1, P2, P3 ...etc. to P7 that all
files being backed up OK and the backup dates are valid, until you see
all is running OK. P1 to P7 follow the same backup routine as in the
3 Day   and   7 Day Rotating backups.

REMEMBER

Where Win95 is mentioned it applies to Win98 too.
Just type **ERS** or **ERS.bat** when restoring, typing **ERS** will guide you and remind you how to restore.
Also it will change directories to **C:\1Ers** where all the restore batch files are stored.
Just type **ERS**   or **ERS.bat** at the "Command Prompt only"
Once again as an additional reminder, **REMEMBER TYPE ERS** at the "Command Prompt Only"
Don't use the "Command Prompt in Safemode".

<u>USEFUL TIPS</u>

Print the help text and save it for a rainy day or at least print the backup and   restore section.

Always do good fresh   backups, don't say I don't need these   backups because one day you will wish that you had a backup, trust me.

Always keep more than one backup,   get familiarized with this program and make test runs.

When you do a restore, it will restore to the same settings that you had when you did that last backup.

If you should unfortunately allow yourself to fall behind making backups, and if you restore from old backup. And although this would get your computer running once again, it may require a lot of work re-setting interface parameters and   program setting defaults to fit your personal needs and to meet the need of   more recent changes to your system.

Backups are fast and easy, so get into the routine of making a backup with associated Notes before installing another program.
If everything works fine afterwards, make another one and wait few days.

Consequently if your system should display some sort of problem due to the new program installation, uninstall it, then restart computer and restore from ERS backups, using the backup made prior to the new programs installation.   "Like magic", you are back where you started.

Double click ERS.bat in C:\   and get familiarized with it.
Copy Attrib.exe and Sys.com from C:\windows\command to C:\, also copy Sys.com to any boot disk that you have or make.

The way I do it, always keep one good   backup in BackupA, Vitals1, Startup1 and the Win Win\Sys.
Add the 7Day auto backup to the startup folder let it do backups daily and add the Weekly backup to the 7Day to backup weekly.
If I edit the system files or install a new program then I do fresh backups to BackupB, Vitals2 and Startup2 before I install the program or edit system files, or even before I change setting in the Device manager.
If the changes I made to system files or program installation are successful then I make another backup in BackupC, wait for few days

then delete unwanted backups.
I always use BackupC as a temporary backup if I had to make changes
and not sure which backup to restore from.

Never install two programs at the same time, always install only one,
wait a while, restart computer, check your computer then install the another.

Zip some of the good old backups instead of deleting them and save in a
good place. You can go back and restore from backups that are a year
or more old but then you may need to reinstall Win95/98, reinstall all new
hardware and software installed from that date, still better than starting
from scratch.

Copy some of the files from C:\Windows\Command to C, if you have
Win95 950 or 950a on floppies then you don't have Choice.com unless
you have installed OLD-DOS from Win95 CD-ROM extras.
Before you upgrade to Win98, delete all these files and copy the new
Win98 DOS files.
Don't mix DOS files from different operating systems, Win95 950 DOS
files are different from Win95 950b, Win95 950c and Win98.

If you have Win95 installed on top DOS(5.0 to 6.22), be careful with the
Command.com, there are two different ones, V 7.0 is in Windows\Command
directory and the older is in the C:\ root directory.

OTHER FEATURES

<u>Virus attack backups</u>
Click Options\Virus Attack Backup or find ViruBack in the StartMenu
and read Help in the ViruBack Help menu.

<u>CLICKING</u>

View the Ers398.gif in the Ers98 directory for explanations of controls.
You can almost click on any label in ERS to view:
If you click any of the Date\Time Stamp label you can view the contents
of that backup on view Window #1.
Click the Vitals or Startup Date\Time Stamp label and view files backed
up from the system directory in #1 view Window and from the Windows
directory in the #2 View window. (don't get confused between the
Win95 startup files and the Startup folder).
Profiles View windows will pop up if you use profiles.
Click the label that says "Add 3Day or 7Day to Startup folder" and view
the startup folder in View window #1.
If you are zipping backups then the Zip folder will show where all the
zipped backups are stored.

Making an ERS Boot-disk

Windows 95 and Windows 98

ERS Boot disk comes handy if you can't boot into the system,
hopefully ERS can get the system started.
Virus attack, damaged drive sectors, loss of boot files is where
the ERS Bootdisk would have to be there to restore boot files that
are missing, lost in the damaged sectors or corrupted from the
virus attack.

Be sure to make a new ERS boot disk if you upgraded to Windows 98
or to a newer operating system.

First make certain that the floppy you are going to use for your ERS
Boot-disk, has been formatted using **ONLY** the **Win95 or ERS**
formatting tool.
Floppies formatted with MS-DOS or most third party, cannot be
used to make any Boot-disk. Trust me and don't waste your time.

Files that will be copied to the ERS boot-disk are:
You will get a message if any are missing, most of these
files are a must have to run the restore commands from the boot disk.

Attrib.exe   (From Windows\Command) (must)
Autoexec.bat   (Made by ERS98.exe)
Chkdsk.exe   (From Windows\Command)
Choice.com   (From Windows\Command)(must)
Command.com   (From the root directory C)(must)
Copybat.bat   (Made by ERS98.exe)
Deltree.exe   (From Windows\Command)(must)
Drvspace.bin   (From Windows\Command)(Optional)
Edit.com   (From Windows\Command)
Fdisk.exe   (From Windows\Command)
Format.com   From Windows\Command)
io.sys   (From the root directory C)(Hidden file)(must)
MsDos.bat (Made by ERS98.exe)
Msdos.sys   (Made by ERS98.exe)(must)
Reminder.bat (Made by ERS, copied from C:\ERS98\Ersfiles)
Sys.com   (From Windows\Command)
Xcopy.exe   (From Windows\Command)(must)
Xcopy32.exe   (From Windows\Command)(must)
Xcopy32.mod   (From Windows\Command, Win98 only)(must)
Pkunzip.exe (From ERS98\Ersfiles)(must)
21 ERS   Restore batch files   (Copied by ERS from the 1Ers folder
if they exist. In ERS98 all backups has to be made before you make
the boot disk to copy all the restore batch files.)
Total **41** files, plus a folder called "**Backup**"   created, and **contains**
a file   called "**Msdos.sys**" (about **2kb**) in size.

When you boot from the ERS boot disk, you will be prompted to copy
the restore batch files from the 1Ers folder to the boot disk, it will copy
the most recent restore batch files and copies the ERS.bat and executes
it. Type Copybat to do it manually.

NOTE: The above Msdos.sys is different than the "MsDos.sys" (1Kb), about one kilobyte in size, which has been written to the root directory of the boot-disk. The latter is used   for booting the computer from the boot-disk, while the former is the Win95 backup copy to restore from. If the first is copied to hard driver then Windows will not start.

****

NOTE: The reason MsDos.sys file is placed in the backup folder, is because there is a bug in Win95. When you type Sys C: to transfer system files from a boot disk to the "C" drive, the method might replace your MsDos.sys with the wrong MsDos.sys.
So with the ERS boot-disk, just type msdos and the Msdos.sys in C will get replaced   from the Backup folder in the boot-disk.
Note: All commands must be issued from the boot-disk, you can't change directory to the C: drive, and make the restore commands.

Now, when you boot from the boot-disk, just type any of the ERS restore commands to restore.

Note: Should you ever **change** Profile names, or the ERS98 **installation path**,   you will need to replace the restore batch files. Also make a new bootdisk if you upgrade to Win98.

NOTE: **MAGIC FOLDERS**. If you use the program called "Magic folders" then you will get runtime error making ERS boot-disk, enable Chkdisk.exe from Magic Folders first.

NOTE: NEC COMPUTERS. For those using NEC computers with boot floppy "C", please E-mail me for instructions to make an ERS boot-disk.

WARNING: OVERLAYS. If you are using overlays, use the boot-disk supplied and select from options. Attempts to use the ERS boot-disk will damage your data.

Where Win95 is mentioned it applies to Win98 too.

INSTALLATION

Windows 95 and Windows 98

<u>Installation</u>:

ERS98 is for Windows 95 and Windows 98 only.
There is ERS NT available for NT FAT parition only, download at
http://www.mslm.com/ersnt.htm

The full version (about 2.7 MB, which **includes the VB5run, ERS
DLLs and OCXs**) have to be installed in the computer first before you
can use any of the update versions.

Unzip and place ERS files into a temporary folder, double click
Setup.exe, and select the desired drive to install it in.
Note: ERS98 saves all backups in the drive it is installed in.

After Installing ERS98
Once ERS98 program is opened, you will be prompted to select
shortcuts names.
Click the "Done" button if you are new to ERS or computers.
Otherwise read the instructions when prompted on how to proceed.

<u>Re-install</u>:

Download one of the update(about 260 KB, 710 KB or 780 KB) versions
from http://www.mslm.com/ers98.htm.
Registered users, read the registration instructions that was sent to you.

Take care to see that the correct path to the previous installation
is shown in the path window.
Be sure not to double install, e.g. C:\Program Files\Ers98\Ers98.

When re-installing, don't delete the previous {older} Ers98 directory,
nor ERS98.exe. Merely selecting the "Reinstall" button will update
and replace all files and recreate any missing files or folders, while
keeping your previous {old} backups safely intact.

<u>Un-install</u>:

DO NOT... use any third party software to un-install any version
of ERS.

To remove {un-install} ERS correctly, you will find Remove.exe
in the ERS98 directory, run it from there ERS98 directory only.
Then delete the ERS98 directory and any other files that were
not removed by Remove.exe.

Installation Notes

<u>**After upgrading to Win98 are any new release**</u>:

If you are installing Windows 98 on top of Windows 95 and
you have ERS98 already installed, before going any further,
click Options\Update ERS for Win98. That will replace old Win95
MS-DOS files in the 1Ers folder with the new Win98 MS-DOS files.
Then delete all backups made in Win95.
If you think that you might want to go back to Win95, then save couple Win95
backups, be sure to note it.
If you went back to older version, then click Options\Update ERS for Win98 again
to replace new version with older.
If accidently made an ERS98 restore from a Win95 backup, then simply re-restore
from a Win98 backup.
If you are installing ERS98 on top of Windows 98 then you are ready to go.
ERS98 Version 8.69 and up should detect Windows build version changes
and notify you to update.

Choice.com
If while installing you get the message "Unable to find Choice.com",
this is an important file to have, it should be in the Windows\Command folder.
It didn't come with Win95 retail version that came on floppies in the 1995 release.
If you have Win95 retail version that was released in 1995 and you didn't
update it with the Win95 OLD MS-DOS update, then download Choice.com at
http://www.mslm.com/ersmore.htm
and copy it to the Windows\Command directory and C:\1Ers folder.

Windows\Temp
If you have a command line in the Autoexec.bat to delete Win95
temporary files in the C:\Windows\Temp upon startup then the DLL
update will not take affect if it prompts you to restart computer.
Remove the line from the Autoexec.bat when you are installing programs
that requires a reboot.

The DLL update are supplied by Microsoft and are absolutely safe,
it actually makes Win95 950a recognize the year 2000.
Win98 and OSR 2.53(that is OSR2c NOT OSR2b) already recognizes
the year 2000.
Internet Explorer 3.02 up and any of Microsoft software that were
released after October of 1997 have the same update.
Recognize doesn't mean remove all bugs associated with the year
2000 and up.

ERS keeps its data in its own registry (.dat files) instead of using
Win95 Registry. ERS doesn't make any modifications or entries to the
Registry or any other system files, it merely makes new ERS directories,
then copies ERS files to the appropriate directories. It places a Shortcut
icon in the Start menu for easy access.

TROUBLESHOOTING

Antivirus Programs
Some antivirus programs are getting too aggressive in auto detecting
viruses but then causing errors for other programs and do make
Windows 95/98 to run very sluggish.
If you get errors on Startups or while making backups, then disable
the antivirus program and look for an antivirus program that doesn't
cause errors and made by programmers that know how to handle
Windows programs. Or look for an antivirus that can be easily
disabled before making backups.
If an AntiVirus program is set to be too sensitive to direct file
manipulations such as those performed by ERS then errors will occur.
Anti-Virus programs can interfere because they are to slow in testing
files while Windows and ERS is much faster.

Weird Errors
If you get weird errors, such as "Not enough hard disk space"
while you know you do have plenty of space, then:
 Clean the Windows\Temp folder
 Clean the Windows\Recent folder.
    To clean the Windows\Recent, click
    Start\Settings\TaskBar and StartMenu,
    then click the Start Menu Programs tab and click the Clear button.

Errors while zipping
 Deletes zipping temp files if leftover in the Ers98\ZipTemp
 Clean temp files as in the Weird Errors above.

It is important to close all applications before making this backup, including
antivirus programs. Press Ctrl+Alt+Del, be sure only the Explorer, ERS98
and Systray are in the list, End task all others.
In version 8.66, a skip locked files option has been added to the Win & Win\Sys
backup and Vital backups, it will skip and not backup any files that are in use,
click Options\Skip Locked Files, click again to remove feature.

Deleting Temp files
If you have a command line in the Autoexec.bat to delete
Win95/98 temporary files in the C:\Windows\Temp upon startup then
the ERS installations will not take affect if it prompts you to restart
computer.
Remove the line from the Autoexec.bat when you are installing
programs that requires a reboot.

REGARDING Exit, and .dat files:

On Exit ERS feeds back all the information into:
Autoers.dat
ers.dat
ers1.dat
ers2.dat
Files.dat
profiles.dat,

shortcuts.dat
found in the Ersfiles in the ERS98 directory,
it also creates ers.bat in the root   directory C.
AutoErs.dat keeps track of AutoErs configuration.
ERS.dat, keeps track of the first 7 notes you write with the backups
(Day1 through   Day7).

When you open ERS98.exe, it will gather information from the above .dat
files, and before closing ERS it will feed information back into them
(.dat stands for data).
Should   any of the .dat files get corrupted then ERS will not start.
Copy   all .dat files to a temporary directory, delete all .dat files in the
ERS98\Ersfiles directory then add them   back   one at a time to see
which is the corrupted one.
ERS creates new .dat files if none are found, so when you do move
back the .dat files as explained above, you need to over write those
already there.
In normal use, you should have no problem with the DAT files.
If you delete all then you will loose all settings and have to start
all over, be sure to delete **Marker.txt** in the Ers98\Ersfiles directory too.
If you see that ERS is acting as not as suppose to, then delete all
the dat files in the Ers98\Ersfiles and Ers98 directory only, don't
delete any other dat files in any other subdirectories.

The program has been tested and proven to work very well.   Always
look the view windows to see if files are backed up, it is also a good
habit to physically check through the backup folders in the ERS98
directory and be sure all files are backed up, you should have at least
10 files plus the Autoexec.bat, Config.sys and the Dosstart.bat if you
didn't delete them.

GENERAL INFORMATION

Please do not move, change, or open any of the ERS files. **Nor open**
any folders named   "**Date**". These folders are used to check the date/time
stamp when backup was made. If you should move any of those folders,
the information will be changed and they will then reflect the wrong
date/time stamp.

Be sure you don't have ERS.bat or any of the restore batch files open when
making a backup or closing ERS.

Ordering ERS98

Support shareware, please pay the low registration fee.
Pricing:
ERS98 $25 US$ that is single user
2 to 9 licenses @ $22
10 to 24 licenses @ $17
24 to 50 licenses @ $12
Schools, colleges and large institutes contact us for special pricing.
Shipping and handling:(applies only if you can't download software)
ER98 on CD:
USA and Canada $11.
All other countries $13.
One time mailing.

Pay by Credit Card: Credit cards are processed through a high security,
reputable Credit Card processing agency, linked from ERS homepage
http://www.mslm.com

Checks made out of the USA has to say payable to a USA bank,
payable to:
Theodore Fattaleh
1834 S Bentley Av. #202
West Los Angeles, CA 90025
USA
http://www.mslm.com   same as   http://www.multisyslaunch.com

Email addresses are:
twf@flash.net
2000@msn.com
2000ted@compuserve.com

Upon registration, you get the disabled functions of ERS98 enabled and
E-mail support.

Name:_____

Your real name exactly as you want it to appear in the About
Window, for technical reasons initials cannot be accepted.

Address:_____
                    _____
                    _____
                    _____

Your E-mail address: _____

IMPORTANT: If you don't hear from us in a few days, be sure send
us an E-mail us, most probably you submitted a wrong Email address.

OVERVIEW

Windows 95 and Windows 98

ERS has proven to be an excellent backup and restore program.
Using it, backs up Win95 and Win98 system files reliably including
the registry, allowing   you to quickly and easily restore from them.

The ultimate Win95/98 System files backup and restoration program.
ERS98, works like "magic" quickly and easily replacing system files
and registry which may get corrupted. improperly changed, or lost for any
other   reason.

ERS is the first Win95 recovery program ever made.
ERS was made when discovered that Win95 ERU, CFGBCK and
when Win95   prompts you to restore registry from backup are not
100% reliable.The well written ERS98 program (unlike other copycat
restoration utility being offered by third parties) is a winner, absolutely
unfailing and reliable in all circumstances.
Also Microsoft Win98 Registry backup and restore is not effective
as ERS and doesn't have the many extra features and flexibility
ERS98 has.

You will be amazed at the peace of mind this powerful, yet reliable and
easy to understand safety utility provides you.
Please do not expose yourself to the great danger of doing without it.
It can and will, save you many hours of mental anguish, worrying about
lost data and lost time. It's a must have helper application for all Win95
and Win98 users.

The ERS Backup is done from the Windows environment, but a
restore has to be done from the **DOS Command Prompt only**.

System Files Backups
Please see the Backup section for detailed description.
Are crucial files and the registry that gets over written and corrupted
very often.

Windows 95 Startup backup:
Windows Startup files are the files that start Win95/98, they do not include
the System files. If Win95/98 will not start after a restore from System files
backup then the other alternative to restore from the Startup files backup.

Windows 95/98 Vital files backup:
Windows 95 Vital files are files that could be over written by other
programs, but not as often as System files.
When you install a new program, do a second backup to Vitals2
backup after installation, wait couple days, and if everything is working
properly then you can delete the older backups.

You can restore from this backup if you get error messages from Win95
that this file is missing, corrupted or dated wrong then you don't have to
restore all these files but can pick out the ones that the error message

refers to and replace only the damaged file{s}.

Also some programs uninstall option seems to have the destructive habit of uninstalling some system files along with their own files, when uninstalling.

There are about 222 windows vital files, if zipped consuming about 4 Mb of hard disk space. Vital files include backups to the files that are over written by the Internet Explorer 5.0.

Win and Win\Sys
All files in Windows, Windows\System, Windows\System\Vmm32, Windows\System\Iosubsys and Windows\Inf, can be backed up in the Win & Win\Sys backup.
The backup is zipped whether zipping is selected or not, could use any where from 15 to 50 MB of hard disk space.
The backup is more power to you.
Note: The backup backs up only the files in the directories mentioned above, it doesn't backup the whole Windows directory and subdirectories.

Some of its features:
3 day or 7 day rotary auto or manual Win95 system files backup,
3 manual system files backup,
Two Win95 222 Vital files backups,
Two Win95 10 Startup files backups,
3 Week rotary backups.
Windows and Windows\System files backup.
ERS Boot Disk,
Zip backups,
Scheduler for users that don't turn their computer off.
Add 3 files of your choice to backups with option to restore.
Associated file notations,
and Tool tips.
Vital files backup includes files that are over written by the Internet Explorer 54.0.
Virus attack Backup.

What is new

October 31, 1999 Update
Added a batch file to move the contents of the Startup folder from Startup to Startup1, you can move them back later on.
The option will help if shortcut in the Startup folder is causing Windows to freez-up after Windows Startups.
The batch file name is RenStart.bat, find it in the 1ers folder.

Added a delete batch file to delete all files in the Windows, Windows\System, Windows\System\Vmm32, Windows\System\Iosubsys and Windows\Inf directories.
The batch file is made after Windows backup is made.
It is useful to remove new corrupted hardware drivers or hardware software that were added to the Windows directory and a restore from Windows backup wouldn't help. Also good to remove added junk after trying out and uninstalling software redeeming wasted hard disk space. The batch file is made after A Win & Win\Sys

backup, strongly recommend to use it after testing a Win & Win\Sys
restore to be sure all backup are there.
The batch file name is DelSys.bat, find it in the 1ers folder.

September 5, 1999 Update
Added buttons to Add Profiles name instead of double clicking
the Windows Profile Window.

Improved code.

Now it deletes zipping temp files if leftover in the Ers98\ZipTemp
before backing up.

July 26, 1999 Update

Typo in the shareware version.

June 12 1999 update
Help file update.

May 23, 1999
Now ERS98 can detect if you changed operating system from Win95
to Win98 or any other build and vice versa.
It will notify you to to click the
"Options\Update ERS98 for Win98 or new OS" to update Ms-DOS files.

April 9, 1999 update
With all the virus crises that has been spreading around recently.
ViruBack, a virus attack backup program has been added to ERS98, you
will find the shortcut in the StartMenu also you can open it from ERS98
Options\Virus Attack Backup menu.
Please read Help in the ViruBack Help menu.

A reminder message placed at the end of each backup, click
Options\Stop Messages After backup once you got the message,
click again to retain messages.

Skip locked files option has been added to the Win & Win\Sys backup
and Vital backups, it will skip and not backup any file that are in use,
click Options\Skip Locked Files, click again to remove feature.

March 9, 1999 update
This update affects Non English Win95/98.
No longer Restdef.exe is copied to the Startup folder,
if the Startup folder path has characters in it,
that if you have either AutoErs shortcut or the Timer shortcut
in the Startup folder.
In another words, at least one has to reside in the Startup folder.
Please read the November 6, 1998 update for more.

February 12, 1999 update
AutoErs.exe split in two files AutoErs.exe and AutErsN.exe.
Now AutErs.exe uses less resources and load when starting
computer when checking if backup is due.
If due, it will execute AutErsN.exe to make the backup after

the 30(optional) seconds wait is over and close itself.

Default wait changed to 50 seconds, suggest to change it to
what suits you best.

November 18, 1998 update
Improved the Restore section in help and added more explanation
about RestDef.exe.
Please read the paragraph under
(Microsoft AutoScan and ScanReg vicious circles:)

November 6, 1998 update
Another bug found in MS-DOS.
It doesn't recognize extended non English characters.
á, ú etc.
This update is made to makeup for the bug found.
In Non English Win95/98 only, if extended characters detected then:
Instead of copying RestDef.exe to the Startup folder while in MS-DOS,
it makes a shortcut to RestDef.exe in the Startup folder while in
windows, then on each startup RestDef.exe checks if a restore
from ERS98 was made and restores defaults.

November 3, 1998 update
Improved what was done on August 14/98, it hanged
on some computers, now fixed.
If computer has Win95 950 or Win95 950a, ERS98
doesn't apply the disable AutoScan or Scanreg when
restoring.

If computer is running 16 colors, then a 16 color
ERS98 logo appears in place of the 256 color logo.

Alarm no longer distributed with ERS98, download
MiniApps at http://www.mslm.com/free.htm. MiniApps has
20 freeware, Alarm included.

A 260 KB update version now available, it includes all
ERS98 files but non of the ERS98 DLLs.

Email address 2000ted@gte.net will be discontinued,
please use:
twf@flash.net
2000@msn.com

August 14, 1998 update
Added a new feature when restoring from ERS98, it bypasses
Microsoft AutoScan, ScanReg and Auto restore (Win98 and Win95 OSR2).
Click Options\Disable Microsoft AutoScan and ScanReg to disable
features.
With Microsoft ScanReg and AutoScan, computer will go in vicious
circles that will not let you start computer at all if it couldn't fix and
restore computer.
To be sure that you are at the steering wheel, download freeware Win98Config
found in MiniApps.
http://www.mslm.com/free.htm

MiniApps has 20 very useful Freeware.
For further information, please read the <u>Restore section</u> in this help file.

<u>Win98 Bug:</u>
A bug in Win98 was found, it will set BootKeys=0 in MsDos.sys.
This means, you can't boot in the Command Prompt Only or any of
the MS-DOS startup menu.
ERS98 will notify you to make an ERS bootdisk if BootKeys=0 found
in MsDos.sys so you can boot in MS-DOS and restore from ERS98.
To be sure that BootKeys=0 is set to BootKeys=1,
click Start\Programs\Windows Explorer,
click View\Folder Option and click the View Tab,
there select Show all files.
Go to the root directory C, right click MsDos.sys and deselect Read Only
and click OK,
double click MsDos.sys and select to open it with NotePad,
in the very bottom be sure that BootKeys=1.

<u>What is new in ERS98 that wasn't in ERS32pro:</u>

1) Zipping, now you can select to zip backups and you can switch back
    and fourth to zip or not to zip anytime you like.
2) All files in Windows, Windows\System, Windows\System\Vmm32,
    Windows\System\Iosubsys and Windows\Inf, can be backed up in
    the Win & Win\Sys backup.
3) Weekly backup, if you select 3 Day or 7 Day Auto backup and then
    add the weekly backup to it, it will auto backup once every 8 days with
    the 7Day or 3Day backups. Also the weekly backup does an independent
    auto backup of the file Vmm32.vxd. Please read the Backup and Restore
    section.
8) No longer have Sched3d.exe or Sched7d.exe, both are combined in
    AutoErs.exe.
    Also no longer have Timer3d.exe and Timer7d.exe, both are combined
    with AutoErs.exe.
9) You can add three files of your choice to backups, click
    Options\Add Other files.
    Don't use long file names files though if you have selected
    to restore these files when restoring from ERS.
10) You can have multi installation of ERS98 if you need more backups,
    also you can change the 1Ers folder name in C, the ERS.bat,
    and all the shortcuts.
11) Much improved code than ERS32pro.
12) ERS Scheduler is made a part of ERS98, click Options\ERS Scheduler.
13) Virus Attack backup.

FAQ, Frequently Asked Questions

Where Win95 is mentioned it applies to Win98 too.

****

Q) If I upgrade to Windows 98, what would happen to ERS98 and
   what do I have to do.?
A) As soon as you finish installing Windows 98, Open ERS and click
   Options\Update ERS for Win98, this will replace the old Win95
   MS-DOS files with new Win98 MS-DOS files. Delete all backups
   made in Win95 and do backups on Win98.
   If you install ERS98 on top of Win98 then you should be ready to go.

****

Q) My machine started up fine, but had a registry problem. Win95 told
   me to restore the registry from a backup. I didn't know how to do this
   so I clicked on the "OK" but when it restarted I got the same message.
   I guess my question is, how do I go about overcoming this problem?

A) Provided you have had the foresight to avail yourself of the benefits
   of ERS, if such a messages should come up, just turn your computer
   power switch off. Then after waiting a few brief seconds, turn it back On.
   When you see the line "Starting Windows 95 or 98" appear on the screen
   quickly press the F8 key(might have to press Ctrl instead, in Win98),
   then   select the "Command Prompt Only" from the resulting menu.

   Once the Command Prompt is evident,   Type "ERS" or "ERS.BAT",
   doing so will automatically open the 1ers folder, which then show you
   all the ERS restoration commands. Follow the instructions, and select
   a recent backup that you know is reliable. The batch files in ERS will
   run, restoring your system to good order. You can then restart your
   computer.

****

Q) I occasionally get an pop-up window during the reboot that says:

   " Windows encountered an error accessing the system
   registry. You should restore the registry now and restart
   your computer.
   If you ignore this error and shutdown your system,
   you may lose data.

   Restoring the registry will replace the faulty registry
   with a known good backup copy. However, this backup copy
   may not contain all of the information recently
   added to your system."

A) Above message is not from ERS and it is from Windows 98.
   Read the answer to the question above on how to restore.
   To disable this feature, open ERS98 and click
   Options\Disable Microsoft AutoScan and ScanReg.
   You can also download "Win98 Config" from
   http://www.mslm.com/free.htm

Read, run and follow instruction to further disable Win98 from
controlling your computer.

****

Q) What happens if I start my computer, and the screen says "hit any key
to restart". Or upon startup, it just sat there with cursor blinking while
booting. In the past this has meant I had to reinstall Win95/98. How can
ERS help me in such a situation?

A) In such cases, should you have made an ERS BootDisk, which has
all the   ERS restore commands copied to it.

You could then restart your computer using the ERS boot-disk,
which is designed to open to the "A" directory Command Prompt,
then you could execute the ERS restore commands.

I suggest you first restore the "System files" backup, then restart your
computer again. If it starts, but it will not start Win95, then restore
the "Startup files" backup.

You should always have previously created ERS backups, for just such
unhappy situations as you have mentioned. Always have ERS backups
prepared   and ready ahead of time. If you have not done so, the results
may be hours   and hours of frustrating hard work, just to get back to
where you were.

The rule you should follow is, make an ERS boot-disk, test the disk
to be sure it starts your system (having an anti virus boot-disk is also
a good plan of protection).
Download the Win95 basic troubleshooting guide and how to be ready
to fight a virus from http://www.mslm.com/tipstric.htm

If non of the above solves the problem you likely have a hardware failure
or possibly a bad connection inside the computer.

****

Q) When I start my computer, I see that somebody has changed fonts,
colors, and other personal custom settings. Not only that, but there
seems to be something wrong with the way my computer runs.
Would ERS actually restore my system to my customized and proper
working configuration settings, fixing those problems?

A) Yes indeed, it will even position the icons back where they were on the
Desktop. Of course this all depends on your having made good current
backups.

****

Q) How about if   the ERS restore Batch files in the ERS   Boot-Disk
are no longer valid, because I changed ERS installation path or
Profiles?

A) If you are using Ver 5.0 or newer (as everyone should be). Once booted
from the ERS boot-disk, just type "Copybat", and all the restore batch
files will be copied to the boot-disk. But it is better to have them
previously copied to the boot-disk.

****

Q)   How about if I didn't make ERS Boot-Disk?

A) A standard Win95 boot-disk will work
      (you can even make one from another Win95 computer).
      But that doesn't mean don't make an ERS boot disk.

      Restart computer with using the boot-disk, once booted, type
      C:
      then type
      ERS
      if it didn't change directory to C:\1ers then type:
      CD 1ers
      Type ERS again.
****

Q) When I boot from a boot-disk and change directory to C:, why is it
      that when I try the edit, delete, fdisk, format, xcopy, or copy,
      commands I get the "Bad command or file name"?

A) Copy the contents of C:\Windows\Command, to C:\, to get full control
      of the DOS commands, or at least copy the following necessary files;

      Attrib.exe
      Chkdsk.exe
      Command.com
      Drvspace.bin
      Edit.com
      Find.exe
      Fdisk.exe
      Format.com
      Xcopy32.exe
      Xcopy.exe
      Choice.com
      Sys.com,
      Replace.exe.

      If you have Win95 installed on top   DOS(5.0 to 6.22), be careful with the
      Command.com, there are two different ones, with   Version 7.0, being the
      Win95 issue.

****

Q) I double clicked one of the .dat files in the ERS98 folder, opening
      it in Notepad, and it's icon changed to the Notepad icon, how do I
      restore it?

A) Go to the Windows Explorer click View\Options\Files tab,
      scroll down to "Dat files", and click   the Remove button.
      Be very careful in there, don't delete other files unless you know what
      you are doing, backup the registry first.

****

Q) Explain the functions of the Internet Explorer backup you are talking
      about?

A) The ERS backup for the files that get over written by Internet Explorer

4.0, are necessary because IE 4.0 over-writes many Win95 vital files.
If IE4.0 uninstall should fail to uninstall correctly, replacing the previous
Win95 vital files, then the ERS98 Vital file backup will restore those
Win95 files, along with other Vital files. You also need a good System
files backup, both backups should be made before you install IE40.
ERS does restore settings for what IE4.0 has over-written, but ERS
will not delete IE4.0 "leftover" files.
****

Q) If any of Win95 programs stops functioning such as Dial-up Networking,
Exchange, Scan Disk etc., would ERS Vitals or System file backups
restore these programs to proper working condition?

A) If what become unusable (corrupted) in these programs were it's
configuration, the answer is yes, ERS will restore the proper
workable settings. However, if the actual program files of these MS
applets, get corrupted, the answer is no, it will not restore those program
files. ERS Vitals and System files backups are the core files of Win95
backup, not it's accessories.   A restore from Win & Win\Sys backup
should restore these applets except WordPad.

But to restore such programs, use the Control Panel\ Add Remove
program dialog, click the Windows Setup tab, remove the damaged
program, restart your computer, go back and add it.

****
Q)When the computer is booting, it boots too fast and its hard to select
F8 when the "Starting Windows 95" screen shows up?
A)The boot delay can be set in Msdos.sys, step by step on how to do it.
In the Windows Explorer, click View\Options and select "View all Files"
and click OK. Scroll down the root directory C to Msdos.sys, right click
it and select Properties, in Properties deselect Read Only and click OK.
Double click Msdos.sys and select to open it with Notepad, scroll down

to the bottom of the page and type
BootmenuDelay=10
10 stands for 10 seconds, click File\Save, then click File\Exit.
Try it, if you want to change the setting again, then you have to again
right click Msdos.sys and deselect Read Only, because once you restart
Win95 Msdos.sys resets its attributes.

****

Q) I can't believe that ERS restores proper initialization settings. I
usually spend many hours reinstalling applications to correct such
problems. I don't believe in magic, but you say ERS works like magic?

A) The term "like magic" is merely a figure of speech meant to highlight
how quickly and relatively effortless ERS performs its marvelous feats
of restoration. No, there is no magic in ERS, but it does provide an
reliable and effective way to backup and restoring Win95 System files,
and returning your system to the condition it was in, at the time you
made the backup. In that sense, it is indeed "like magic".