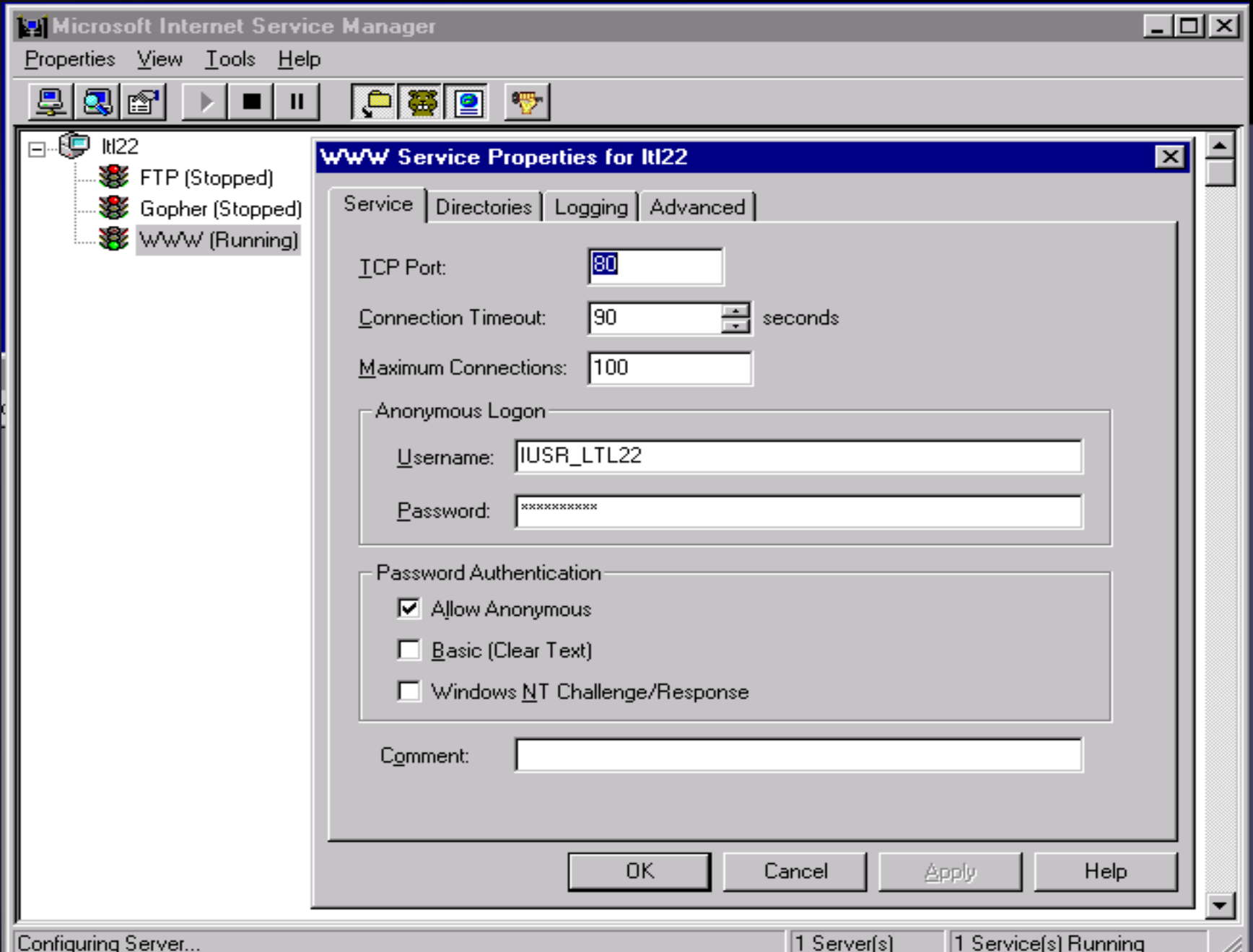


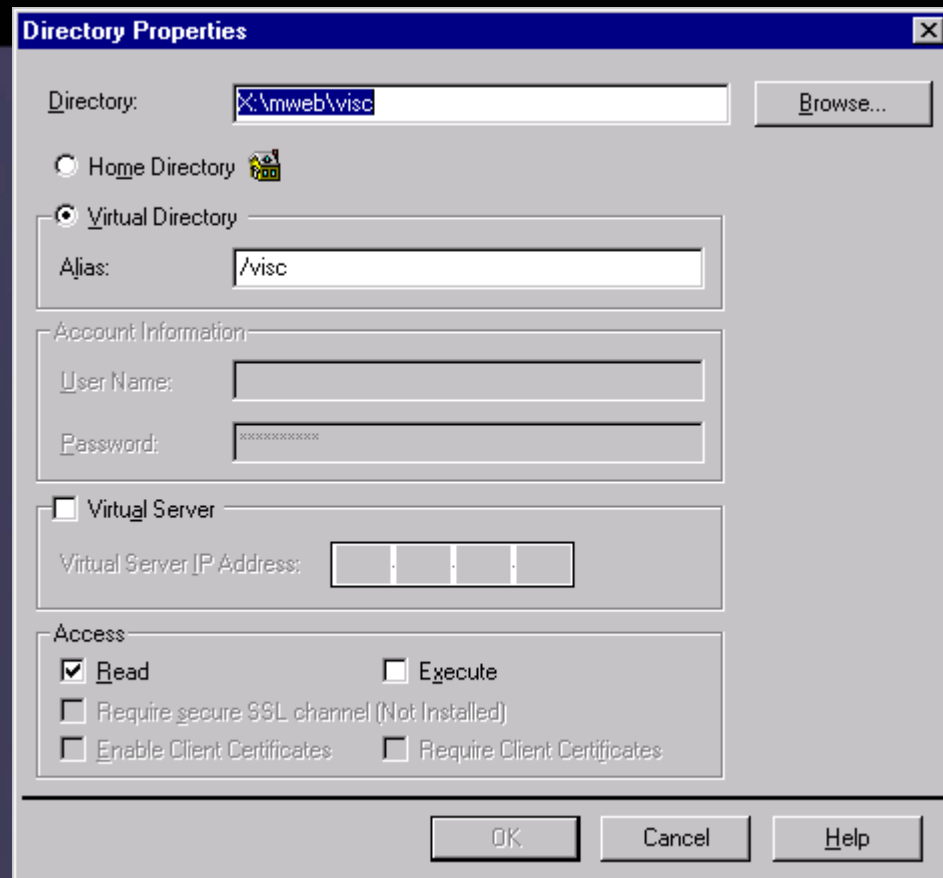
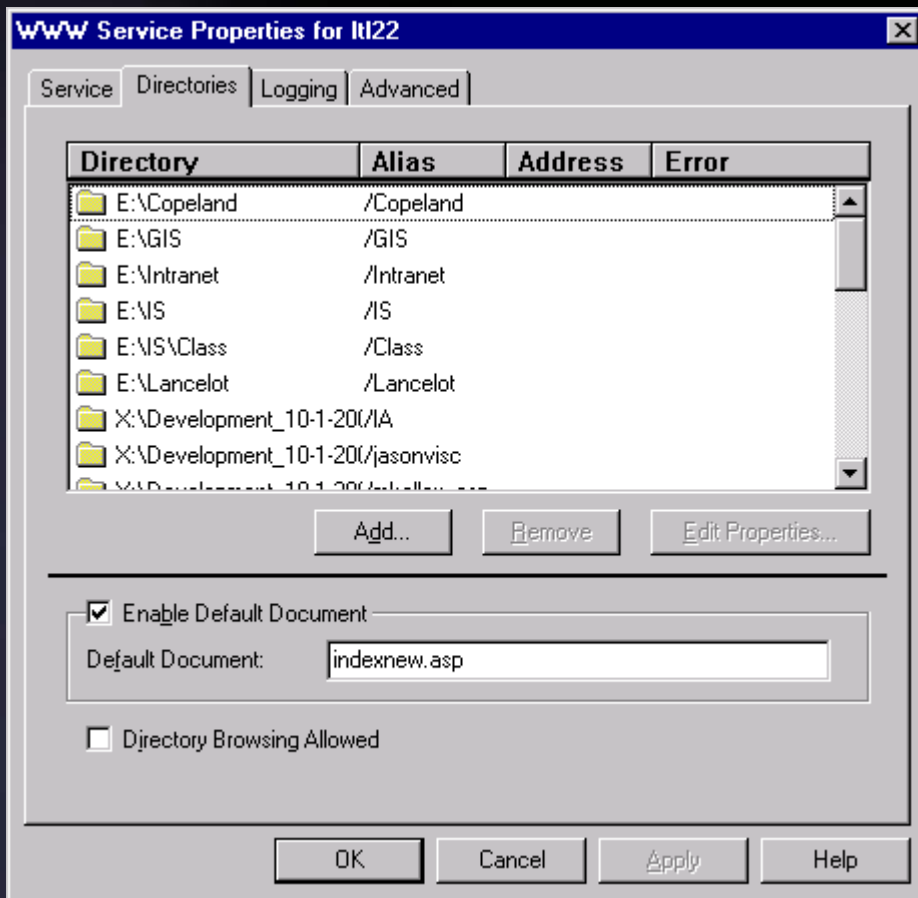
# Application Handling with ASP & IIS

March 15, 2002

# IIS 3



# IIS 3

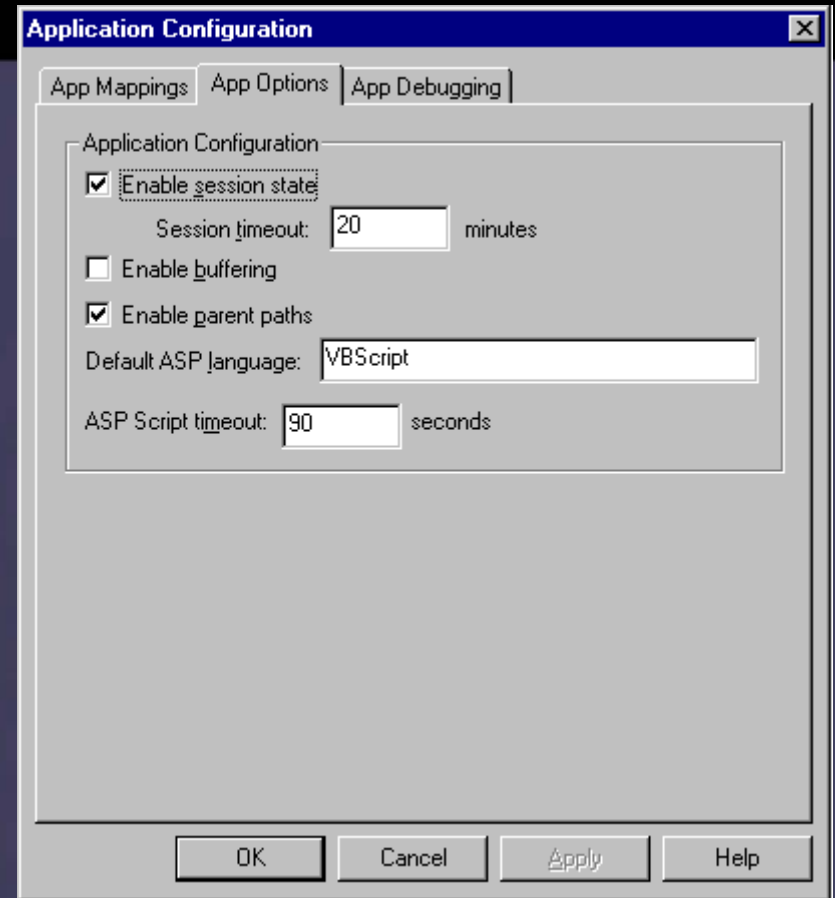
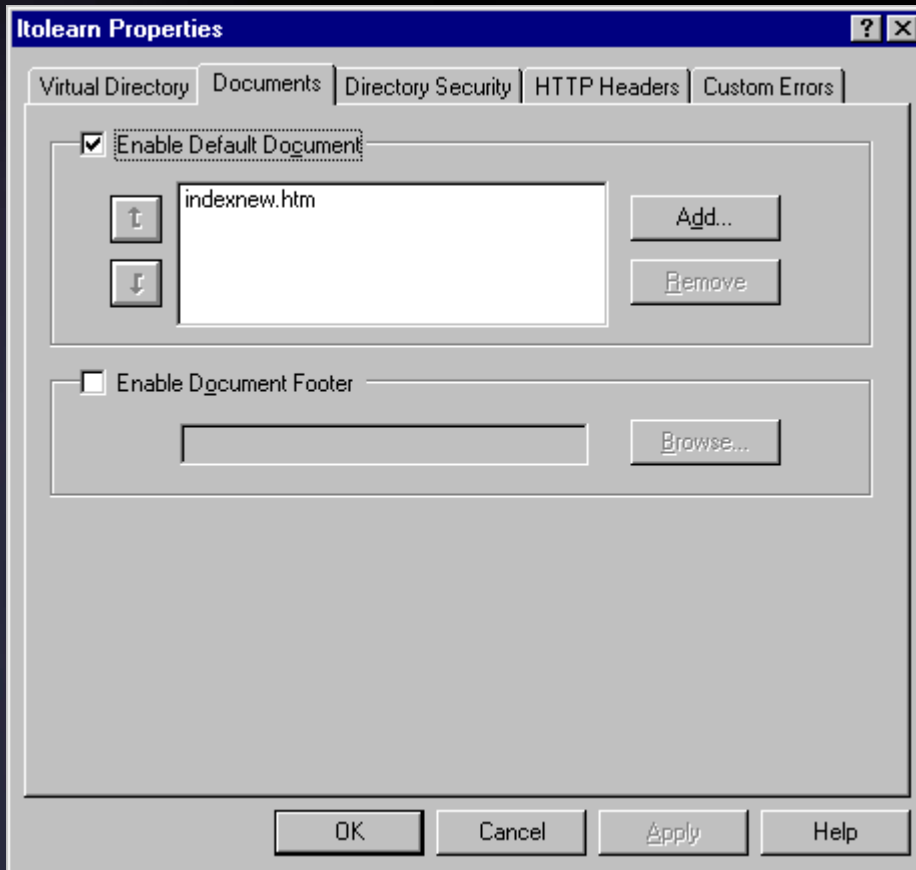


# IIS 4

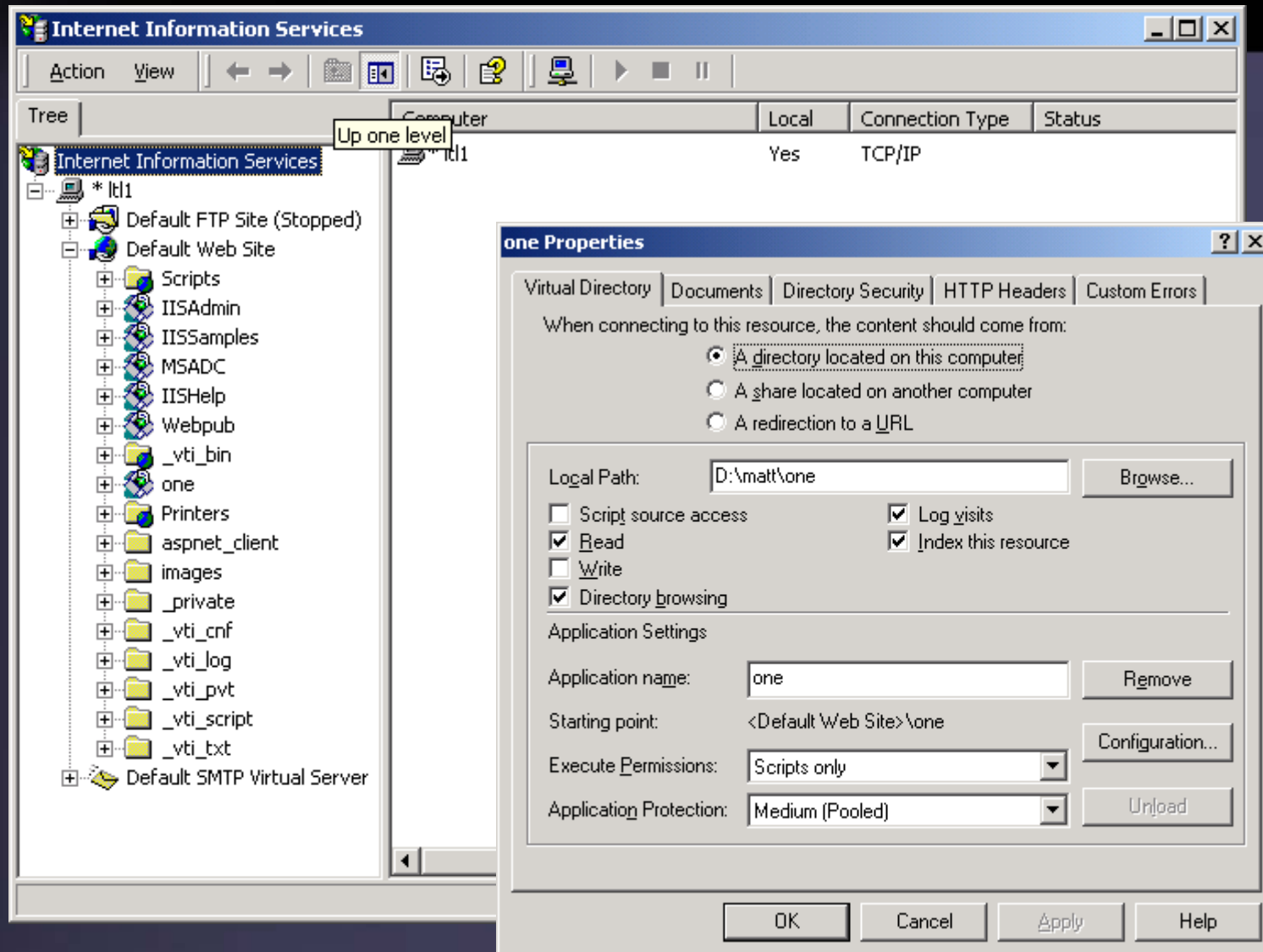
The screenshot shows the IIS 4 console window with the following components:

- Tree View:** Shows the hierarchy from Console Root to Internet Information Server, then to the \* IIS6 server. Under the Default Web Site, the Itolearn virtual directory is selected.
- Table:** A table with columns: Computer, Local, Connection Type, Status. It lists the \* IIS6 server with Local set to Yes and Connection Type set to TCP/IP.
- Itolearn Properties Dialog:** A modal dialog box with the following settings:
  - Virtual Directory:** Selected.
  - Content Source:**  A directory located on this computer.
  - Local Path:** H:\groupwork\test\_site\Itolearn.
  - Access Permissions:**  Read,  Write.
  - Content Control:**  Log access,  Directory browsing allowed.
  - Application Settings:** Name: Itolearn, Starting Point: <Default Web Site>/Itolearn,  Run in separate memory space (isolated process).
  - Permissions:**  None,  Script,  Execute (including script).

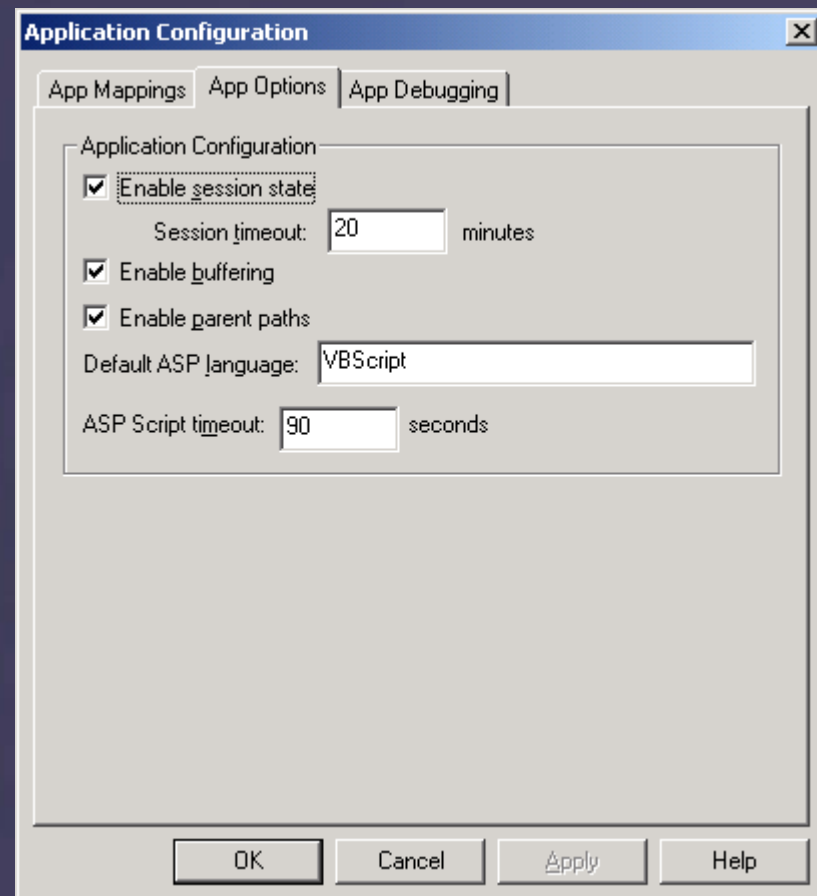
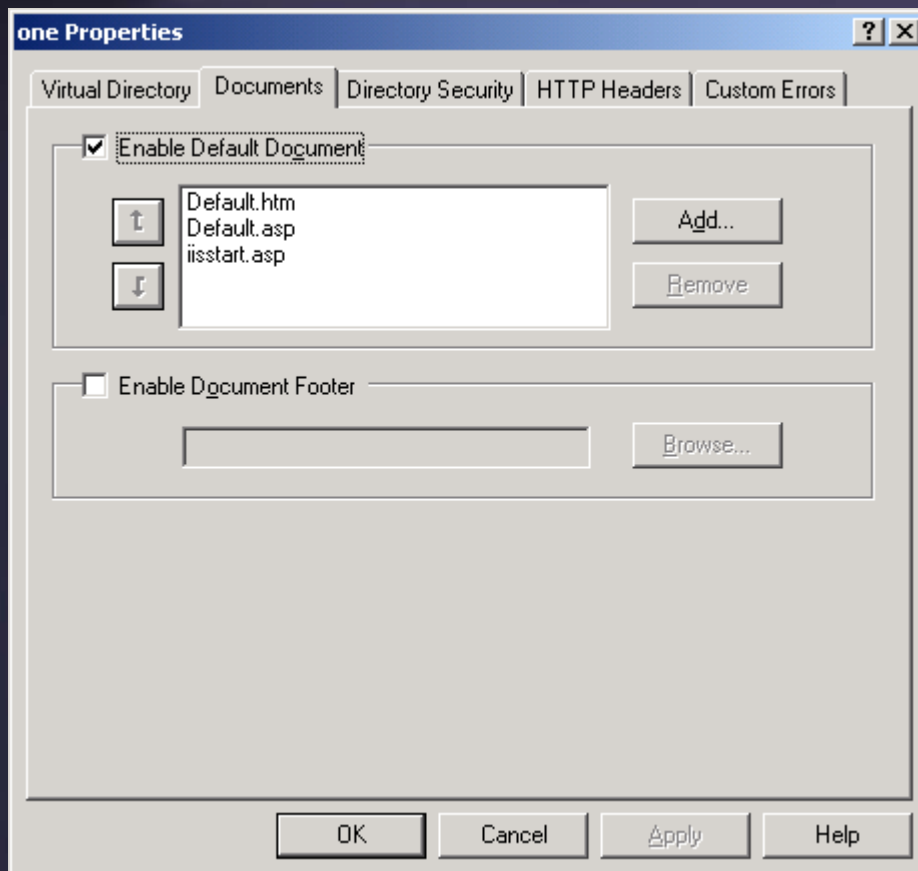
# IIS 4



# IIS 5



# IIS 5



# Global.asa

```
<script Language="VBScript" RUNAT=Server>
```

```
Sub Application_OnEnd()
```

```
End Sub
```

```
Sub Application_OnStart()
```

```
Application("NumSession") = 0
```

```
Application("NumVisited") = 0
```

```
Session.Timeout = 10
```

```
End Sub
```

```
Sub Session_OnEnd()
```

```
Application("NumSession") = Application("NumSession") - 1
```

```
End Sub
```

```
Sub Session_OnStart()
```

```
Application("NumSession") = Application("NumSession") + 1
```

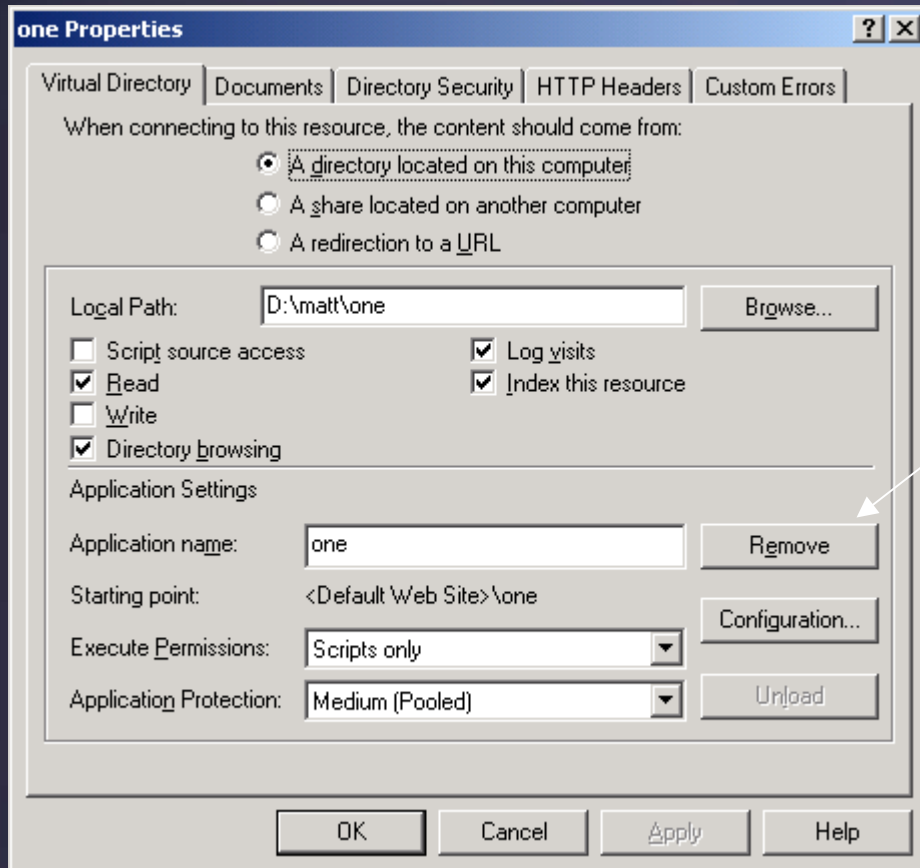
```
Application("NumVisited") = Application("NumVisited") + 1
```

```
End Sub
```

```
</script>
```

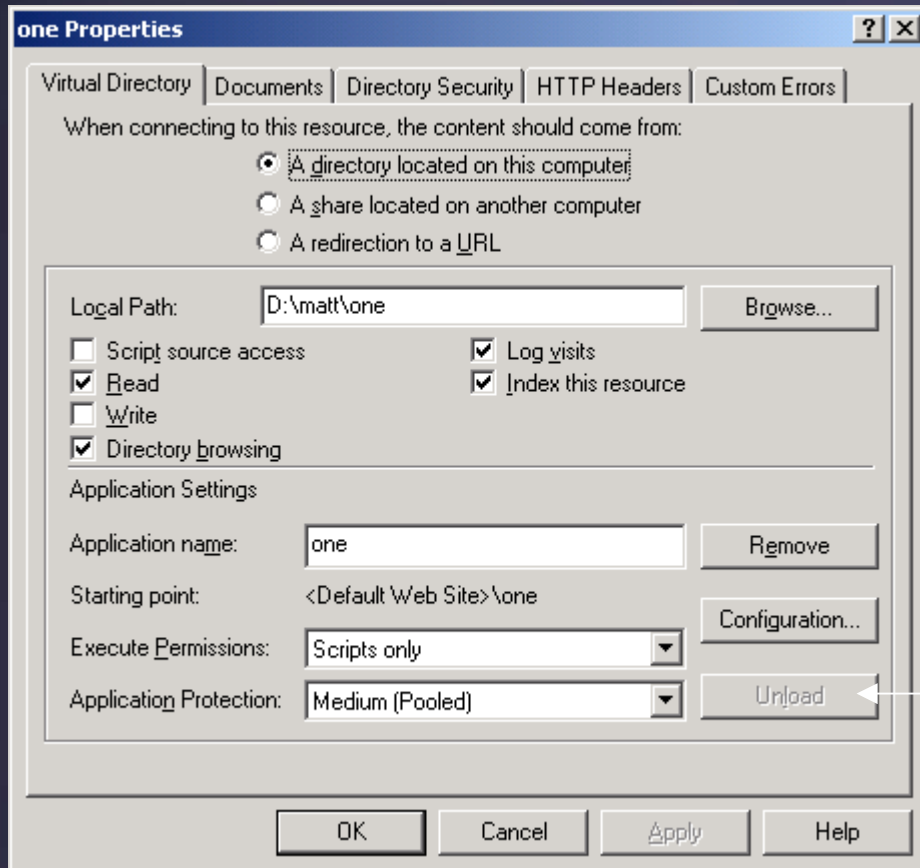


# Is virtual directory is an application



Remove button will appear if your virtual directory is an application

# Fire the Application\_OnEnd Event in Global.asa



To fire the  
Application\_OnEnd  
Event in Global.asa

# Application Object: appVarTest.asp

```
<%@ Language=VBScript %>
```

```
<HTML>
```

```
<HEAD><TITLE>Application Variable Test</TITLE></HEAD>
```

```
<BODY>
```

Values of the Application Variables:<P>

```
myAppVariable = <%= Application("myAppVariable") %><BR>
```

```
anotherAppVariable = <%= Application("anotherAppVariable") %><HR>
```

Setting the Application Variables:

```
<%
```

```
    Application.Lock
```

```
    Application("myAppVariable") = Now
```

```
    Application("anotherAppVariable") = CStr(Cint(Application("anotherAppVariable"))+1)
```

```
    Application.Unlock
```

```
%>
```

Variable set - [click here](appVarTest.asp) to reload the page.

```
</BODY>
```

```
</HTML>
```

# Session Object: sessVarTest.asp

```
<%@ Language=VBScript %>
<HTML>
<HEAD><TITLE>Session Variable Test</TITLE></HEAD>
<BODY>

<%
    Dim tAccessTime
    tAccessTime = Session("LastAccessTime")

    If tAccessTime = " " Then
        Response.Write ("This is the first time this page has been accessed")
    Else
        Response.Write ("This page was last accessed at: " & tAccessTime)
    End If
%>
    <HR>Writing current access time to the session object<BR>
    <% Session("LastAccessTime") = Now %>
    <A Href="sessVarTest.asp">Click here</A> to refresh the page.<BR>
    <A Href="abandon.asp?dest=sessVarTest.asp"> Click here</A> to abandon the session.

</BODY>
</HTML>
```

# Session Object: abandon.asp

```
<%@ Language=VBScript %>  
<%  
    Session.Abandon  
    Response.Redirect Request ("dest")  
%>
```

# Summary: Global.asa

```
<Script Language=VBScript RUNAT="Server">
```

```
Sub Application_OnStart
```

```
    Application("visits") = 0
```

```
    Application("Active") = 0
```

```
End Sub
```

```
Sub Application_OnEnd
```

```
End Sub
```

# Summary: Global.asa (cont.)

```
Sub Session_OnStart
    Session.Timeout = 1
    Session("Start") = Now
    Application.Lock
        Application("visits") = Application("visits") + 1
        intTotal_visitors = Application("visits")
    Application.Unlock
    Session("VisitorID") = intTotal_visitors

    Application.Lock
        Application("Active") = Application("Active") + 1
    Application.Unlock
End Sub

Sub Session_OnEnd
    Application.Lock
        Application("Active") = Application("Active") - 1
    Application.Unlock
End Sub

</Script>
```

# Summary: VisitorCount.asp

```
<%@ Language=VBScript %>
```

```
<HTML>
```

```
<HEAD><TITLE>Retrieving Variables Set in Global.asa</TITLE></HEAD>
```

```
<BODY>
```

```
There have been <B><%= Session("VisitorID") %> </B>total visits to this site.<BR>
```

```
You are one of <B><%=Application("Active") %> </B> active visitors.<BR>
```

```
Your Session started at: <%= Session("Start") %>
```

```
</BODY>
```

```
</HTML>
```



# Cookies: Login.asp

```
<%@ Language=VBScript %>
```

```
<HTML>
```

```
<HEAD><TITLE>Cookie Test - Login</TITLE></HEAD>
```

```
<BODY>
```

Please Enter your emailadress and password to login to the system.

```
<FORM Action = "CheckLogin.asp" method="post">
```

```
Email Address: <INPUT type="text" name="Email" size="40"><BR>
```

```
Password: <INPUT type="text" name="Password" size="10"><BR>
```

```
<INPUT type="Checkbox" name="SaveLogin"> Save Login as a Cookie?<BR>
```

```
<INPUT type="Submit" value="Login">&nbsp; &nbsp;
```

```
<INPUT type="Reset">
```

```
</FORM>
```

```
</BODY>
```

```
</HTML>
```

# Cookies: CheckLogin.asp

```
<%@ Language=VBScript %>
<% Dim bLoginSaved
    If Request.Form("SaveLogin") = "on" Then
        Response.Cookies("cookie1")("EMail") = Request.Form("email")
        Response.Cookies("cookie1")("pw") = Request.Form("password")
        Response.Cookies("cookie1").Expires = Date + 30
        bLoginSaved = True
    Else
        bLoginSaved = False
    End If
%>
<HTML>
<HEAD><TITLE>Cookie Test - Check Login</TITLE></HEAD>
<BODY>
<% If bLoginSaved Then
    Response.Write "Saving Login Information to a cookie<HR>"
End If
%>

Thank you for logging into the system.<P>
Email address confirmation: <%= Request.Form("email") %>
</BODY>
</HTML>
```

# Cookies: Login2.asp

```
<%@ Language=VBScript %>  
<% If Request.Cookies("cookie1").HasKeys then  
    Response.Redirect "CheckLogin2.asp?cookie=1"  
    End If  
%>
```

```
<HTML>  
<HEAD><TITLE>Cookie Test - Login</TITLE></HEAD>  
<BODY>
```

Please Enter your emailadress and password to login to the system.

```
<FORM Action = "CheckLogin2.asp" method="post">  
Email Address: <INPUT type="text" name="Email" size="40"><BR>  
Password: <INPUT type="text" name="Password" size="10"><BR>  
<INPUT type="Checkbox" name="SaveLogin"> Save Login as a Cookie?<BR>  
<INPUT type="Submit" value="Login">&nbsp; &nbsp;  
<INPUT type="Reset">  
</FORM>
```

```
</BODY>  
</HTML>
```

# Cookies: CheckLogin2.asp

```
<%@ Language=VBScript %>
<% Dim strEmail
    If Request.QueryString("cookie") = 1 Then
        strEMail = Request.Cookies("cookie1")("EMail")
    Else
        strEMail = Request.Form("EMail")
    End If

    Dim bLoginSaved
    If Request.Form("SaveLogin") = "on" Then
        Response.Cookies("cookie1")("EMail") = Request.Form("email")
        Response.Cookies("cookie1")("pw") = Request.Form("password")
        Response.Cookies("cookie1").Expires = Date + 30
        bLoginSaved = True
    Else
        bLoginSaved = False
    End If
%>
```

# Cookies: CheckLogin2.asp (cont.)

```
<HTML>
<HEAD>
<TITLE>Cookie Test - Check Login</TITLE>
</HEAD>
<BODY>

<% If bLoginSaved Then
    Response.Write "Saving Login Information to a cookie<HR>"
End If
%>

Thank you for logging into the system.<P>
<%
    If Request.QueryString("cookie") = 1 Then
        Response.Write "Login submitted via cookie<P>"
    End If
%>

Email address confirmation: <%= strEMail %>

</BODY>
</HTML>
```