



Sending Appointments to an Outlook 2007 Calendar from an ASP.NET 2.0 Web Site

Summary: Use Microsoft Visual Studio 2005 to create an ASP.NET 2.0 Web site that can create and send an Internet Calendar appointment to add to a Microsoft Office Outlook 2007 calendar.



Applies to: 2007 Microsoft Office system, Microsoft Office Outlook 2007

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Overview

Internet Calendars are calendars that can be shared through the Internet. Internet Calendars are based on a global Internet standard that allows the exchange of calendar information, regardless of the application that is used to create or view the information. Internet Calendars use the iCalendar format and the .ics file name extension. This Visual How-to article uses Microsoft Visual Studio 2005 to create an ASP.NET 2.0 Web site that can create and send an Internet Calendar appointment that can be added to a Microsoft Office Outlook 2007 calendar.



See It Office

[Watch the Video](#)

[<http://wm.microsoft.com/ms/msdn/office/2007OfficeVisualHowTos/OutlookSendingAppointmentstoanOutlook2007CalendarfromanASP.NET2.0WebSite.wmv>]

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Code It

To show how to create an ASP.NET Web site that has the ability to create and send an Internet Calendar appointment, this article walks through three key steps:

1. Creating an ASP.NET 2.0 Web Site project in Visual Studio 2005.
2. Creating a Web form for the site that lets a user specify a summary, description, and start or end dates and times for a calendar appointment.
3. Adding code to the Web form's code file that implements the Internet Calendar appointment creation and sending functionality.

Creating an ASP.NET 2.0 Web Site Project in Visual Studio 2005

Visual Studio 2005 enables you to create a Web site by using the ASP.NET Web Site template.

To create an ASP.NET Web Site project in Visual Studio 2005

1. Start Visual Studio.
2. On the **File** menu, click **New Web Site**.
3. In the **New Web Site** dialog box, click the **ASP.NET Web Site** template.
4. For **Location**, select **HTTP** or **File System**.
5. Specify a path or URL for the Web site.
6. For **Language**, click **Visual C#** or **Visual Basic**, and then click **OK**.

Visual Studio generates an ASP.NET Web Site project with a single Web form named Default.aspx, and a code file named either Default.aspx.cs or Default.aspx.vb, depending on the language selected.

Creating a Calendar Event Properties Web Form

By creating a Web form, a user can specify the properties of a calendar appointment, as shown in Figure 1.

To create a Calendar Event Web form

- Open the Default.aspx file and replace all of the code between the <body> and </body> tags with the following code.

Html

[Copy Code](#)

```
<form id="form1" runat="server">
```

```
<div style="font-family: Arial" align="center">
<table>
<tr>
<td align="left">
Appointment Summary:</td>
</tr>
<tr>
<td colspan="3">
<asp:TextBox ID="txtEventSummary" runat="server" Width="98%"
Rows="5"></asp:TextBox></td>
</tr>
<tr>
<td align="left">
Appointment Description:</td>
</tr>
<tr>
<td colspan="3">
<asp:TextBox ID="txtEventDescription" runat="server" Rows="5"
Width="98%"></asp:TextBox></td>
</tr>
<tr>
<td align="left">
Starting Date/Time:</td>
<td style="width: 30px" valign="top"></td>
<td align="left" valign="top">Ending Date/Time:</td>
</tr>
<tr>
<td>
<asp:DropDownList ID="ddlStartTime" runat="server"
Width="49%">
<asp:ListItem Value="000000">12:00 AM</asp:ListItem>
<asp:ListItem Value="003000">12:30 AM</asp:ListItem>
<asp:ListItem Value="010000">1:00 AM</asp:ListItem>
<asp:ListItem Value="013000">1:30 AM</asp:ListItem>
<asp:ListItem Value="020000">2:00 AM</asp:ListItem>
<asp:ListItem Value="023000">2:30 AM</asp:ListItem>
<asp:ListItem Value="030000">3:00 AM</asp:ListItem>
<asp:ListItem Value="033000">3:30 AM</asp:ListItem>
<asp:ListItem Value="040000">4:00 AM</asp:ListItem>
<asp:ListItem Value="043000">4:30 AM</asp:ListItem>
<asp:ListItem Value="050000">5:00 AM</asp:ListItem>
<asp:ListItem Value="053000">5:30 AM</asp:ListItem>
<asp:ListItem Value="060000">6:00 AM</asp:ListItem>
<asp:ListItem Value="063000">6:30 AM</asp:ListItem>
<asp:ListItem Value="070000">7:00 AM</asp:ListItem>
<asp:ListItem Value="073000">7:30 AM</asp:ListItem>
<asp:ListItem Value="080000">8:00 AM</asp:ListItem>
<asp:ListItem Value="083000">8:30 AM</asp:ListItem>
<asp:ListItem Value="090000">9:00 AM</asp:ListItem>
<asp:ListItem Value="093000">9:30 AM</asp:ListItem>
<asp:ListItem Value="100000">10:00 AM</asp:ListItem>
<asp:ListItem Value="103000">10:30 AM</asp:ListItem>
<asp:ListItem Value="110000">11:00 AM</asp:ListItem>
<asp:ListItem Value="113000">11:30 AM</asp:ListItem>
<asp:ListItem Value="120000">12:00 PM</asp:ListItem>
<asp:ListItem Value="123000">12:30 PM</asp:ListItem>
<asp:ListItem Value="130000">1:00 PM</asp:ListItem>
<asp:ListItem Value="133000">1:30 PM</asp:ListItem>
<asp:ListItem Value="140000">2:00 PM</asp:ListItem>
<asp:ListItem Value="143000">2:30 PM</asp:ListItem>
<asp:ListItem Value="150000">3:00 PM</asp:ListItem>
<asp:ListItem Value="153000">3:30 PM</asp:ListItem>
<asp:ListItem Value="160000">4:00 PM</asp:ListItem>
<asp:ListItem Value="163000">4:30 PM</asp:ListItem>
<asp:ListItem Value="170000">5:00 PM</asp:ListItem>
<asp:ListItem Value="173000">5:30 PM</asp:ListItem>
<asp:ListItem Value="180000">6:00 PM</asp:ListItem>
<asp:ListItem Value="183000">6:30 PM</asp:ListItem>
<asp:ListItem Value="190000">7:00 PM</asp:ListItem>
<asp:ListItem Value="193000">7:30 PM</asp:ListItem>
<asp:ListItem Value="200000">8:00 PM</asp:ListItem>
<asp:ListItem Value="203000">8:30 PM</asp:ListItem>
<asp:ListItem Value="210000">9:00 PM</asp:ListItem>
<asp:ListItem Value="213000">9:30 PM</asp:ListItem>
<asp:ListItem Value="220000">10:00 PM</asp:ListItem>
<asp:ListItem Value="223000">10:30 PM</asp:ListItem>
<asp:ListItem Value="230000">11:00 PM</asp:ListItem>
<asp:ListItem Value="233000">11:30 PM</asp:ListItem>
</asp:DropDownList><asp:DropDownList ID="ddlStartTZ"
runat="server" Width="50%">
<asp:ListItem>US/Eastern</asp:ListItem>
<asp:ListItem>US/Central</asp:ListItem>
<asp:ListItem>US/Mountain</asp:ListItem>
<asp:ListItem>US/Pacific</asp:ListItem>
</asp:DropDownList></td>
<td style="width: 30px" valign="top"></td>
<td valign="top">
<asp:DropDownList ID="ddlEndTime" runat="server" Width="49%">
<asp:ListItem Value="000000">12:00 AM</asp:ListItem>
<asp:ListItem Value="003000">12:30 AM</asp:ListItem>
<asp:ListItem Value="010000">1:00 AM</asp:ListItem>
<asp:ListItem Value="013000">1:30 AM</asp:ListItem>
<asp:ListItem Value="020000">2:00 AM</asp:ListItem>
<asp:ListItem Value="023000">2:30 AM</asp:ListItem>
<asp:ListItem Value="030000">3:00 AM</asp:ListItem>
<asp:ListItem Value="033000">3:30 AM</asp:ListItem>
<asp:ListItem Value="040000">4:00 AM</asp:ListItem>
<asp:ListItem Value="043000">4:30 AM</asp:ListItem>
<asp:ListItem Value="050000">5:00 AM</asp:ListItem>
<asp:ListItem Value="053000">5:30 AM</asp:ListItem>
<asp:ListItem Value="060000">6:00 AM</asp:ListItem>
<asp:ListItem Value="063000">6:30 AM</asp:ListItem>
<asp:ListItem Value="070000">7:00 AM</asp:ListItem>
<asp:ListItem Value="073000">7:30 AM</asp:ListItem>
<asp:ListItem Value="080000">8:00 AM</asp:ListItem>
<asp:ListItem Value="083000">8:30 AM</asp:ListItem>
<asp:ListItem Value="090000">9:00 AM</asp:ListItem>
<asp:ListItem Value="093000">9:30 AM</asp:ListItem>
<asp:ListItem Value="100000">10:00 AM</asp:ListItem>
<asp:ListItem Value="103000">10:30 AM</asp:ListItem>
<asp:ListItem Value="110000">11:00 AM</asp:ListItem>
<asp:ListItem Value="113000">11:30 AM</asp:ListItem>
<asp:ListItem Value="120000">12:00 PM</asp:ListItem>
<asp:ListItem Value="123000">12:30 PM</asp:ListItem>
<asp:ListItem Value="130000">1:00 PM</asp:ListItem>
<asp:ListItem Value="133000">1:30 PM</asp:ListItem>
<asp:ListItem Value="140000">2:00 PM</asp:ListItem>
<asp:ListItem Value="143000">2:30 PM</asp:ListItem>
<asp:ListItem Value="150000">3:00 PM</asp:ListItem>
<asp:ListItem Value="153000">3:30 PM</asp:ListItem>
</asp:DropDownList>
</td>
</tr>
</table>
</div>
```

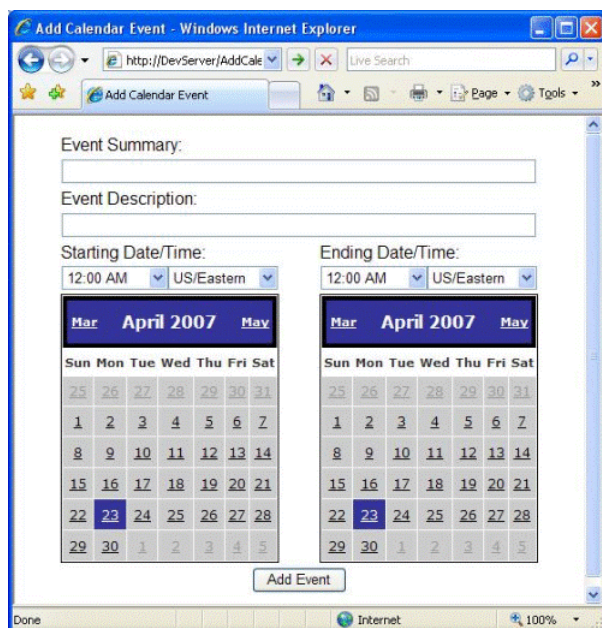
```

<asp:ListItem Value="160000">4:00 PM</asp:ListItem>
<asp:ListItem Value="163000">4:30 PM</asp:ListItem>
<asp:ListItem Value="170000">5:00 PM</asp:ListItem>
<asp:ListItem Value="173000">5:30 PM</asp:ListItem>
<asp:ListItem Value="180000">6:00 PM</asp:ListItem>
<asp:ListItem Value="183000">6:30 PM</asp:ListItem>
<asp:ListItem Value="190000">7:00 PM</asp:ListItem>
<asp:ListItem Value="193000">7:30 PM</asp:ListItem>
<asp:ListItem Value="200000">8:00 PM</asp:ListItem>
<asp:ListItem Value="203000">8:30 PM</asp:ListItem>
<asp:ListItem Value="210000">9:00 PM</asp:ListItem>
<asp:ListItem Value="213000">9:30 PM</asp:ListItem>
<asp:ListItem Value="220000">10:00 PM</asp:ListItem>
<asp:ListItem Value="223000">10:30 PM</asp:ListItem>
<asp:ListItem Value="230000">11:00 PM</asp:ListItem>
<asp:ListItem Value="233000">11:30 PM</asp:ListItem>

</asp:DropDownList><asp:DropDownList ID="ddlEndTZ"
runat="server" Width="50%">
<asp:ListItem>US/Eastern</asp:ListItem>
<asp:ListItem>US/Central</asp:ListItem>
<asp:ListItem>US/Mountain</asp:ListItem>
<asp:ListItem>US/Pacific</asp:ListItem>
</asp:DropDownList></td>
</tr>
<tr>
<td>
<asp:Calendar ID="calStartDate" runat="server"
BackColor="White" BorderColor="Black" BorderStyle="Solid"
CellSpacing="1" Font-Names="Verdana" Font-Size="9pt"
ForeColor="Black" Height="250px" NextPrevFormat="ShortMonth">
<SelectedDayStyle BackColor="333399" ForeColor="White" />
<TodayDayStyle BackColor="999999" ForeColor="White" />
<DayStyle BackColor="CCCCC" />
<OtherMonthDayStyle ForeColor="999999" />
<NextPrevStyle Font-Bold="True" Font-Size="8pt"
ForeColor="White" />
<DayHeaderStyle Font-Bold="True" Font-Size="8pt"
ForeColor="333333" Height="8pt" />
<TitleStyle BackColor="333399" BorderStyle="Solid"
Font-Bold="True" Font-Size="12pt"
ForeColor="White" Height="12pt" />
</asp:Calendar>
</td>
<td style="width: 30px; valign="top"></td>
<td valign="top">
<asp:Calendar ID="calEndDate" runat="server"
BackColor="White" BorderColor="Black" BorderStyle="Solid"
CellSpacing="1" Font-Names="Verdana" Font-Size="9pt"
ForeColor="Black" Height="250px" NextPrevFormat="ShortMonth">
<SelectedDayStyle BackColor="333399" ForeColor="White" />
<TodayDayStyle BackColor="999999" ForeColor="White" />
<DayStyle BackColor="CCCCC" />
<OtherMonthDayStyle ForeColor="999999" />
<NextPrevStyle Font-Bold="True" Font-Size="8pt"
ForeColor="White" />
<DayHeaderStyle Font-Bold="True" Font-Size="8pt"
ForeColor="333333" Height="8pt" />
<TitleStyle BackColor="333399" BorderStyle="Solid"
Font-Bold="True" Font-Size="12pt"
ForeColor="White" Height="12pt" />
</asp:Calendar>
</td>
</tr>
<tr>
<td align="center" colspan="3" valign="top">
<asp:Button ID="btnAddEvent" runat="server"
OnClick="btnAddEvent_Click" Text="Add Event" /></td>
</tr>
</table>
</div>
</form>

```

Figure 1. Calendar Event Properties Web Form



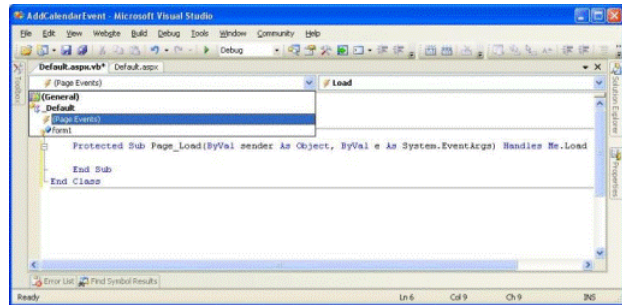
Implementing the Internet Calendar Event Creation or Sending Functionality

To set the initially selected date on the Web form's calendar controls to the current date, open the Default.aspx.cs or Default.aspx.vb code file and add code to the **Page_Load** event handler.

Note:

Default.aspx.cs contains a **Page_Load** event handler, but Default.aspx.vb does not. To add the **Page_Load** event handler to Default.aspx.vb, in the **class** list, under the node for the Web form class name, click the **(Page Events)** category. Then, click the **Load** event in the **Events** list, as shown in Figure 2.

Figure 2. Adding the Page_Load event handler



To set the selected date on the Web form

- Add the following code to the body of the **Page_Load** event handler.

Visual Basic

[Copy Code](#)

```
If Not IsPostBack Then
    Dim dtNow As DateTime = _
        DateTime.Parse(DateTime.Now.ToShortDateString())

    calStartDate.SelectedDate = dtNow
    calEndDate.SelectedDate = dtNow
End If
```

C#

[Copy Code](#)

```
if (!IsPostBack)
{
    DateTime dtNow = DateTime.Parse(DateTime.Now.ToShortDateString());

    calStartDate.SelectedDate = dtNow;
    calEndDate.SelectedDate = dtNow;
}
```

To create an Internet Calendar

- Add the following code to the Default.aspx.cs or Default.aspx.vb code file, inside the class definition for the page and after the **Page_Load** event handler.

The code uses the values specified on the Web form for the calendar appointment properties to create a string representing an Internet Calendar .ics file. It then writes the string to the response stream, specifying a content type of text/calendar. This launches Microsoft Outlook on the client, displays the calendar appointment's details, and gives the user the option of adding the appointment to an Outlook calendar.

Visual Basic

[Copy Code](#)

```
Protected Sub btnAddEvent_Click(ByVal sender As Object, _
    ByVal e As System.EventArgs) Handles btnAddEvent.Click

    Dim sbICSFile As StringBuilder = New StringBuilder()
    Dim dtNow As DateTime = DateTime.Now

    sbICSFile.AppendLine("BEGIN:VCALENDAR")
    sbICSFile.AppendLine("VERSION:2.0")
    sbICSFile.AppendLine("PRODID:-//AkonaDev/CalendarAppointment")
    sbICSFile.AppendLine("CALSCALE:GREGORIAN")
    sbICSFile.AppendLine("BEGIN:VEVENT")

    ' Define time zones.
    ' US/Eastern
    sbICSFile.AppendLine("BEGIN:VTIMEZONE")
    sbICSFile.AppendLine("TZID:US/Eastern")
    sbICSFile.AppendLine("BEGIN:STANDARD")
    sbICSFile.AppendLine("DTSTART:20071104T020000")
    sbICSFile.AppendLine("RRULE:FREQ=YEARLY;BYDAY=1SU;BYMONTH=11")
    sbICSFile.AppendLine("TZOFFSETFROM:-0400")
    sbICSFile.AppendLine("TZOFFSETTO:-0500")
    sbICSFile.AppendLine("TZNAME:EST")
    sbICSFile.AppendLine("END:STANDARD")
    sbICSFile.AppendLine("BEGIN:DAYLIGHT")
    sbICSFile.AppendLine("DTSTART:20070311T020000")
    sbICSFile.AppendLine("RRULE:FREQ=YEARLY;BYDAY=2SU;BYMONTH=3")
    sbICSFile.AppendLine("TZOFFSETFROM:-0500")
    sbICSFile.AppendLine("TZOFFSETTO:-0400")
    sbICSFile.AppendLine("TZNAME:EDT")
    sbICSFile.AppendLine("END:DAYLIGHT")
    sbICSFile.AppendLine("END:VTIMEZONE")

    ' US/Central
    sbICSFile.AppendLine("BEGIN:VTIMEZONE")
    sbICSFile.AppendLine("TZID:US/Central")
    sbICSFile.AppendLine("BEGIN:STANDARD")
    sbICSFile.AppendLine("DTSTART:20071104T020000")
    sbICSFile.AppendLine("RRULE:FREQ=YEARLY;BYDAY=1SU;BYMONTH=11")
    sbICSFile.AppendLine("TZOFFSETFROM:-0500")
    sbICSFile.AppendLine("TZOFFSETTO:-0600")
    sbICSFile.AppendLine("TZNAME:CST")
    sbICSFile.AppendLine("END:STANDARD")
    sbICSFile.AppendLine("BEGIN:DAYLIGHT")
    sbICSFile.AppendLine("DTSTART:20070311T020000")
    sbICSFile.AppendLine("RRULE:FREQ=YEARLY;BYDAY=2SU;BYMONTH=3")
    sbICSFile.AppendLine("TZOFFSETFROM:-0600")
    sbICSFile.AppendLine("TZOFFSETTO:-0500")
    sbICSFile.AppendLine("TZNAME:CDT")
    sbICSFile.AppendLine("END:DAYLIGHT")
    sbICSFile.AppendLine("END:VTIMEZONE")

    ' US/Mountain
    sbICSFile.AppendLine("BEGIN:VTIMEZONE")
    sbICSFile.AppendLine("TZID:US/Mountain")
```

```

sbICSFile.AppendLine("BEGIN:STANDARD")
sbICSFile.AppendLine("DTSTART:20071104T020000")
sbICSFile.AppendLine("RRULE:FREQ=YEARLY;BYDAY=1SU;BYMONTH=11")
sbICSFile.AppendLine("TZOFFSETFROM:-0600")
sbICSFile.AppendLine("TZOFFSETTO:-0700")
sbICSFile.AppendLine("TZNAME:MST")
sbICSFile.AppendLine("END:STANDARD")
sbICSFile.AppendLine("BEGIN:DAYLIGHT")
sbICSFile.AppendLine("DTSTART:20070311T020000")
sbICSFile.AppendLine("RRULE:FREQ=YEARLY;BYDAY=2SU;BYMONTH=3")
sbICSFile.AppendLine("TZOFFSETFROM:-0700")
sbICSFile.AppendLine("TZOFFSETTO:-0600")
sbICSFile.AppendLine("TZNAME:MDT")
sbICSFile.AppendLine("END:DAYLIGHT")
sbICSFile.AppendLine("END:VTIMEZONE")

' US/Pacific
sbICSFile.AppendLine("BEGIN:VTIMEZONE")
sbICSFile.AppendLine("TZID:US/Pacific")
sbICSFile.AppendLine("BEGIN:STANDARD")
sbICSFile.AppendLine("DTSTART:20071104T020000")
sbICSFile.AppendLine("RRULE:FREQ=YEARLY;BYDAY=1SU;BYMONTH=11")
sbICSFile.AppendLine("TZOFFSETFROM:-0700")
sbICSFile.AppendLine("TZOFFSETTO:-0800")
sbICSFile.AppendLine("TZNAME:PST")
sbICSFile.AppendLine("END:STANDARD")
sbICSFile.AppendLine("BEGIN:DAYLIGHT")
sbICSFile.AppendLine("DTSTART:20070311T020000")
sbICSFile.AppendLine("RRULE:FREQ=YEARLY;BYDAY=2SU;BYMONTH=3")
sbICSFile.AppendLine("TZOFFSETFROM:-0800")
sbICSFile.AppendLine("TZOFFSETTO:-0700")
sbICSFile.AppendLine("TZNAME:PDT")
sbICSFile.AppendLine("END:DAYLIGHT")
sbICSFile.AppendLine("END:VTIMEZONE")

' Define the event
sbICSFile.Append("DTSTART;TZID=" + ddlStartTZ.Text + ":")
sbICSFile.Append(calStartDate.SelectedDate.Year.ToString())
sbICSFile.Append( _
    FormatDateTimeValue(calStartDate.SelectedDate.Month))
sbICSFile.Append( _
    FormatDateTimeValue(calStartDate.SelectedDate.Day) + "T")
sbICSFile.AppendLine(ddlStartTime.SelectedDate)

sbICSFile.Append("DTEND;TZID=" + ddlEndTZ.Text + ":")
sbICSFile.Append(calEndDate.SelectedDate.Year)
sbICSFile.Append( _
    FormatDateTimeValue(calEndDate.SelectedDate.Month))
sbICSFile.Append( _
    FormatDateTimeValue(calEndDate.SelectedDate.Day) + "T")
sbICSFile.AppendLine(ddlEndTime.SelectedDate)

sbICSFile.AppendLine("SUMMARY:" + txtEventSummary.Text)
sbICSFile.AppendLine("DESCRIPTION:" + txtEventDescription.Text)
sbICSFile.AppendLine("UID:1")
sbICSFile.AppendLine("SEQUENCE:0")

sbICSFile.Append("DTSTAMP:" + dtNow.Year.ToString())
sbICSFile.Append(FormatDateTimeValue(dtNow.Month))
sbICSFile.Append(FormatDateTimeValue(dtNow.Day) + "T")
sbICSFile.Append(FormatDateTimeValue(dtNow.Hour))
sbICSFile.AppendLine(FormatDateTimeValue(dtNow.Minute) + "00")

sbICSFile.AppendLine("END:VEVENT")
sbICSFile.AppendLine("END:VCALENDAR")

Response.ContentType = "text/calendar"
Response.AddHeader("content-disposition", _
    "attachment; filename=CalendarEvent1.ics")
Response.Write(sbICSFile)
Response.End()
End Sub

protected function FormatDateTimeValue(DateValue as Int16) as string
    If DateValue < 10 Then
        Return "0" + DateValue.ToString()
    Else
        Return DateValue.ToString()
    End If
End Function

```

C#

 [Copy Code](#)

```

protected void btnAddEvent_Click(object sender, EventArgs e)
{
    System.Text.StringBuilder sbICSFile =
        new System.Text.StringBuilder();
    DateTime dtNow = DateTime.Now;

    sbICSFile.AppendLine("BEGIN:VCALENDAR");
    sbICSFile.AppendLine("VERSION:2.0");
    sbICSFile.AppendLine("PRODID:-//ICSTestCS/");
    sbICSFile.AppendLine("CALSCALE:GREGORIAN");

    // Define time zones.
    // US/Eastern
    sbICSFile.AppendLine("BEGIN:VTIMEZONE");
    sbICSFile.AppendLine("TZID:US/Eastern");
    sbICSFile.AppendLine("BEGIN:STANDARD");
    sbICSFile.AppendLine("DTSTART:20071104T020000");
    sbICSFile.AppendLine("RRULE:FREQ=YEARLY;BYDAY=1SU;BYMONTH=11");
    sbICSFile.AppendLine("TZOFFSETFROM:-0400");
    sbICSFile.AppendLine("TZOFFSETTO:-0500");
    sbICSFile.AppendLine("TZNAME:EST");
    sbICSFile.AppendLine("END:STANDARD");
    sbICSFile.AppendLine("BEGIN:DAYLIGHT");
    sbICSFile.AppendLine("DTSTART:20070311T020000");
    sbICSFile.AppendLine("RRULE:FREQ=YEARLY;BYDAY=2SU;BYMONTH=3");
    sbICSFile.AppendLine("TZOFFSETFROM:-0500");
    sbICSFile.AppendLine("TZOFFSETTO:-0400");
    sbICSFile.AppendLine("TZNAME:EDT");
    sbICSFile.AppendLine("END:DAYLIGHT");
    sbICSFile.AppendLine("END:VTIMEZONE");

    // US/Central
    sbICSFile.AppendLine("BEGIN:VTIMEZONE");
    sbICSFile.AppendLine("TZID:US/Central");
    sbICSFile.AppendLine("BEGIN:STANDARD");
    sbICSFile.AppendLine("DTSTART:20071104T020000");
    sbICSFile.AppendLine("RRULE:FREQ=YEARLY;BYDAY=1SU;BYMONTH=11");
    sbICSFile.AppendLine("TZOFFSETFROM:-0500");

```

```

sbICSFile.AppendLine("TZOFFSETTO:-0600");
sbICSFile.AppendLine("TZNAME:CST");
sbICSFile.AppendLine("END:STANDARD");
sbICSFile.AppendLine("BEGIN:DAYLIGHT");
sbICSFile.AppendLine("DTSTART:20070311T020000");
sbICSFile.AppendLine("RRULE:FREQ=YEARLY;BYDAY=2SU;BYMONTH=3");
sbICSFile.AppendLine("TZOFFSETFROM:-0600");
sbICSFile.AppendLine("TZOFFSETTO:-0500");
sbICSFile.AppendLine("TZNAME:CDT");
sbICSFile.AppendLine("END:DAYLIGHT");
sbICSFile.AppendLine("END:VTIMEZONE");

// US/Mountain
sbICSFile.AppendLine("BEGIN:VTIMEZONE");
sbICSFile.AppendLine("TZID:US/Mountain");
sbICSFile.AppendLine("BEGIN:STANDARD");
sbICSFile.AppendLine("DTSTART:20071104T020000");
sbICSFile.AppendLine("RRULE:FREQ=YEARLY;BYDAY=1SU;BYMONTH=11");
sbICSFile.AppendLine("TZOFFSETFROM:-0600");
sbICSFile.AppendLine("TZOFFSETTO:-0700");
sbICSFile.AppendLine("TZNAME:MST");
sbICSFile.AppendLine("END:STANDARD");
sbICSFile.AppendLine("BEGIN:DAYLIGHT");
sbICSFile.AppendLine("DTSTART:20070311T020000");
sbICSFile.AppendLine("RRULE:FREQ=YEARLY;BYDAY=2SU;BYMONTH=3");
sbICSFile.AppendLine("TZOFFSETFROM:-0700");
sbICSFile.AppendLine("TZOFFSETTO:-0600");
sbICSFile.AppendLine("TZNAME:MDT");
sbICSFile.AppendLine("END:DAYLIGHT");
sbICSFile.AppendLine("END:VTIMEZONE");

// US/Pacific
sbICSFile.AppendLine("BEGIN:VTIMEZONE");
sbICSFile.AppendLine("TZID:US/Pacific");
sbICSFile.AppendLine("BEGIN:STANDARD");
sbICSFile.AppendLine("DTSTART:20071104T020000");
sbICSFile.AppendLine("RRULE:FREQ=YEARLY;BYDAY=1SU;BYMONTH=11");
sbICSFile.AppendLine("TZOFFSETFROM:-0700");
sbICSFile.AppendLine("TZOFFSETTO:-0800");
sbICSFile.AppendLine("TZNAME:PST");
sbICSFile.AppendLine("END:STANDARD");
sbICSFile.AppendLine("BEGIN:DAYLIGHT");
sbICSFile.AppendLine("DTSTART:20070311T020000");
sbICSFile.AppendLine("RRULE:FREQ=YEARLY;BYDAY=2SU;BYMONTH=3");
sbICSFile.AppendLine("TZOFFSETFROM:-0800");
sbICSFile.AppendLine("TZOFFSETTO:-0700");
sbICSFile.AppendLine("TZNAME:PDT");
sbICSFile.AppendLine("END:DAYLIGHT");
sbICSFile.AppendLine("END:VTIMEZONE");

// Define the event.
sbICSFile.AppendLine("BEGIN:VEVENT");

sbICSFile.Append("DTSTART;TZID=" + ddlStartTZ.Text + ":");
sbICSFile.Append(calStartDate.SelectedDate.Year.ToString());
sbICSFile.Append(
    FormatDateTimeValue(calStartDate.SelectedDate.Month));
sbICSFile.Append(
    FormatDateTimeValue(calStartDate.SelectedDate.Day) + "T");
sbICSFile.AppendLine(ddlStartTime.SelectedValue);

sbICSFile.Append("DTEND;TZID=" + ddlEndTZ.Text + ":");
sbICSFile.Append(calEndDate.SelectedDate.Year);
sbICSFile.Append(
    FormatDateTimeValue(calEndDate.SelectedDate.Month));
sbICSFile.Append(
    FormatDateTimeValue(calEndDate.SelectedDate.Day) + "T");
sbICSFile.AppendLine(ddlEndTime.SelectedValue);

sbICSFile.AppendLine("SUMMARY:" + txtEventSummary.Text);
sbICSFile.AppendLine("DESCRIPTION:" + txtEventDescription.Text);
sbICSFile.AppendLine("UID:1");
sbICSFile.AppendLine("SEQUENCE:0");

sbICSFile.Append("DTSTAMP:" + dtNow.Year.ToString());
sbICSFile.Append(FormatDateTimeValue(dtNow.Month));
sbICSFile.Append(FormatDateTimeValue(dtNow.Day) + "T");
sbICSFile.Append(FormatDateTimeValue(dtNow.Hour));
sbICSFile.AppendLine(FormatDateTimeValue(dtNow.Minute) + "00");

sbICSFile.AppendLine("END:VEVENT");
sbICSFile.AppendLine("END:VCALENDAR");

Response.ContentType = "text/calendar";
Response.AddHeader("content-disposition",
    "attachment; filename=CalendarEvent1.ics");
Response.Write(sbICSFile);
Response.End();
}

private string FormatDateTimeValue(int DateValue)
{
    if (DateValue < 10)
        return "0" + DateValue.ToString();
    else
        return DateValue.ToString();
}

```

Read It

This article explores how to send Internet Calendar appointments from an ASP.NET 2.0 Web site to Microsoft Office Outlook 2007. The key steps include:

1. Creating an ASP.NET 2.0 Web Site project in Visual Studio 2005.
2. Creating a Web form for the site that lets a user specify a summary, description, and start or end dates and times for a calendar appointment.
3. Adding code to the Web form's code file that implements the Internet Calendar appointment creation and sending functionality.

Explore It

- [Outlook 2007 Developer Reference](http://msdn2.microsoft.com/en-us/library/bb177050.aspx) [http://msdn2.microsoft.com/en-us/library/bb177050.aspx]
- [Microsoft Office Outlook 2007](http://office.microsoft.com/en-us/outlook/default.aspx) [http://office.microsoft.com/en-us/outlook/default.aspx]
- [Internet Calendaring and Scheduling Core Object Specification](http://go.microsoft.com/fwlink/?LinkId=99367) [http://go.microsoft.com/fwlink/?LinkId=99367]

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