App\_Data //App\_Data //

■■bootstrap **■**■css

# 0x00 简介 基础知识: ASP.NET开发可以选用两种框架: ASP.NET Core与ASP.NET Framework ASP.NET开发也分为两种: WebApplication: WEB\_\_\_\_\_\_ WebSite: WEB REAL REPORT OF THE RESPONDENCE OF THE RESPONDEN ASP.NET比较关键的文件: web.config: 1.web.config 2. THE PROPERTY -> WINDERS -> %windir%/Microsoft.NET/Framework/v2.0.50727/CONFIG/web.config -> %windir%/Microsoft.NET/Framework/v2.0.507/CONFIG/web.config -> %wi Global.asax: 1. Global.asax ASP.NET的常见拓展名: 在%windir%\Microsoft.NET\Framework\v2.0.50727\CONFIG\web.config中有详细定义,这里提取部分简单介绍。 aspx cs aspx.cs web ascx asmx asax Global.asax config ashx soap: 0x01 注入 1.windows 2008R2 2.SSMS数据库管理 3.某系统 4.dnSpv反编译 熟悉框架 程序的文件目录 **■■**Admin

```
■■install
■■javascript
m
■purchase
■■style
■■temp
■■Template
■■uploads
■■UserControl
WEB应用程序会把我们写的代码编译为DLL文件存放在Bin文件夹中,在ASPX文中基本就是一些控件名,所以需要反编译他的DLL来进行审计。
  Logout.aspx
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Logout.aspx.cs" Inherits="Book.Logout" %>
<html xmlns="http://www.w3.org/1999/xhtml" >
</html>
在文件头中有这几个参数:
1.Language="C#" //脚本语言
2.AutoEventWireup="true" //是否自动关联某些特殊事件
3.CodeBehind="Logout.aspx.cs" //指定包含与页关联的类的已编译文件的名称
4.Inherits="Book.Logout" //定义供页继承的代码隐藏类
我们所关注的也就是Inherits
的值,如上所示他指向了Bin目录下的purchase.dll中Book类的Logout函数(注:purchase.dll是网站编译的项目名,一般与文件目录对应)
  web.config
这个文件包含了目录权限控制、数据库密码等等
<location path="purchase/orderdetail.aspx">
  <system.web>
    <authorization>
     <allow users="*"/>
    </authorization>
  </system.web>
 </location>
 <authentication mode="Forms" />
比如我们使用的这套程序中authorization定义了purchase/orderdetail.aspx匿名可以访问,但是这套程序的本页面还写了一套验证
if (this.uid <= 0)
  if (!(base.Request.QueryString["g"] == "p"))
  {
      base.Response.Redirect("../login.aspx");
      return;
  }
  this.ph_pdf.Visible = false;
}
所以我们只需要访问purchase/orderdetail.aspx?g=p即可绕过跳转
,其中<authentication mode="Forms" />表示Form 表单认证。
在ASP.NET中全局过滤一般用到Global.asax至于他为什么可以起到全局过滤的作用可以看看ASP.NET三剑客。当然这套程序并没有全局过滤,在提交多个漏洞后,官网公
<system.web>
<authorization>
<deny users= "?"/>
```

■■images

</authorization>

但是这套程序安装会默认插入多条用户数据。

#### 审计注入

首先我们来看Login.aspx,前面已经贴过代码,我们需要反编译purchase.dll去找Book.Login,这里使用dyspy

```
Login X HttpRequest
Microsoft.VisualStudio.Text.Logic 	
a
   Microsoft.VisualStudio.Text.UI (15
                                                                                                       🖟 (object sender, EventArgs e)
Microsoft.VisualStudio.Language
a
   Microsoft. Visual Studio. Core Utility
Microsoft.VisualStudio.Text.Data
                                                                        this. Session. Abandon();
this. Session. Abandon();
PresentationFramework.Aero (4.0
il ICSharpCode.TreeView (4.2.0.875
    System.ComponentModel.Compo
   dnSpy.Contracts.Logic (6.0.5.0)
 □ purchase (30.0.0.0)

■ □ purchase.dll

▶ ■ PE
ā
     ▶■■ 引用
     ▶ {} -
    ↓ {} Appform.Admin◢ {} Book
                                                                    public void LoginAd()
          4 Login @02000080
           ▲ 基类型和接口
              Page @0100000
           ▶ ■ 派生类型
                                                                              Helper.Result(this, "登录失败");

Button1_Click(object

LoginAd(): void @0

LoginForm(): void @

Page_Load(object, E
                                                                             int num = UsersHelper.LoginAd(this.txt_username.Text);
base.Response.Redirect(FormsAuthentication.GetRedirectUrl(num.ToString(), true));
             Button1 : Button @0
form1 : HtmlForm @
             RequiredFieldValida
RequiredFieldValida
             txt_pwd : TextBox @
txt_username : TextE
                                                                         if (num > 0)
        ▶ ♣ Logout @02000081
▶ ♣ MyProfile @02000082
     ♦ { } bps.bps
          bps.bps.ajax
           Dotnet.Admin
       {}
                                                                              Helper.Result(this, "用户名或者密码错误");
```

login.aspx->Button1\_Click->LoginForm()在login中控件名对应dl

```
public void LoginForm()
   int num = UsersHelper.Login(this.txt_username.Text, this.txt_pwd.Text);
   if (num > 0)
   {
       base.Response.Redirect(FormsAuthentication.GetRedirectUrl(num.ToString(), true));
   }
   else
   {
       Helper.Result(this, "■■■■■■■■");
   }
}
跟讲UsersHelper.Login
public static int Login(string username, string password)
   string sql = " select uid from users_users where username=@username and password=@password;
   SqlParameter[] prams = new SqlParameter[]
   {
       new SqlParameter("@username", username),
       new SqlParameter("@password", Helper.Encrypt(password))
   };
   object obj = Instance.ExeScalar(sql, prams);
   if (obj == null || obj == DBNull.Value)
   {
       return -1;
   int num = int.Parse(obj.ToString());
   if (num > 0)
```

```
{
        UsersHelper.Login(num);
}
return num;
}
这里使用的是参数化查询,所以这里不存在注入。登陆后的注入很多这里选一个。
search.aspx
```

```
using System;
using System.Data;
using System.Web.UI;
using System.Web.UI.WebControls;
using DBHelper;
using Purchase.BLL;
 namespace Purchase.Purchase
      // Token: 0x02000090 RID: 144
public class search : Page
            // Token: 0x06000365 RID: 869 RVA: 0x0001D3DC File Offset: 0x0001B5DC
protected void Page_Load(object sender, EventArgs e)
{
                   if (!this.Page.IsPostBack)
                        this.Bind();
            // Token: 0x06000366 RID: 870 RVA: 0x0001D402 File Offset: 0x0001B602 protected void searchs(object sender, EventArgs e)
                  this.Bind();
            // Token: 0x06000367 RID: 871 RVA: 0x0001D40C File Offset: 0x0001B60C protected void rbl_status_SelectedIndexChanged(object sender, EventArgs e)
            public void Bind()
{
string text = " select process, issubmit, id,appusername,appdept,specs, auditstatus,
createdate , product, useritname, useritdept,isgive ,reason from purchase_session_lists where
issubmit=1 ";
if (this.cb_showonly.Checked)
                        text += " and isgive=0 and process=1 and auditstatus=1 ";
                  }
if (this.rbl_status.SelectedItem.Value != "")
                        text = text + " and auditstatus=" + this.rbl_status.SelectedItem.Value + " ";
                  }
if (this.cb_hidecancel.Checked)
                        text += " and process in (1,3,5) ";
                   }
if (this.txt_start.Text != "")
                        object obj = text;
text = string.Concat(new object[]
                              obj,
   " and purchase_session_lists.createdate>='",
DateTime.Parse(this.txt_start.Text),
   """
                   }
if (this.txt_end.Text != "")
                        object obj = text;
text = string.Concat(new object[]
                              obj,
    and purchase_session_lists.createdate<'",
DateTime.Parse(this.txt_end.Text).AddDays(1.0),
    "' "</pre>
                  }
if (this.txt_user.Text != "")
                         if (this.txt_user.Text.Length > 20)
                               this.txt_user.Text = this.txt_user.Text.Substring(0, 18);
text = text + " and convert(nvarchar(20),id)+' '+useritname+' '+useritdept like '%" +
this.txt_user.Text + "%' ";
                   if (this.txt_product.Text != "")
                         if (this.txt_product.Text.Length > 20)
                               this.txt_product.Text = this.txt_product.Text.Substring(0, 18);
                         text = text + " and product+' '+specs like '%" + this.txt_product.Text + "%' ";
                  text += " order by id desc ";
DataSet dataSet = Instance.ExeDataSet(text);
int count = dataSet.Tables[0].Rows.Count;
this.lbl_count.Taxt = count.ToString();
this.lv_lists.DataSource = dataSet;
this.lv_lists.DataBind();
```

```
public static DataSet ExeDataSet(string sql, SqlParameter[] prams)
    sql = Instance.checkSql(sql);
    SqlConnection connection = new SqlConnection(Instance._con);
    SqlCommand sqlCommand = new SqlCommand(sql);
    sqlCommand.Parameters.AddRange(prams);
    sqlCommand.Connection = connection;
    DataSet result;
    using (SqlDataAdapter sqlDataAdapter = new SqlDataAdapter(sqlCommand))
        DataSet dataSet = new DataSet();
                                           sqlDataAdapter.Fill(dataSet);
        sqlCommand.Parameters.Clear();
                                           private static string checkSql(string sql)
        result = dataSet;
                                              return sql;
                                           }
    return result;
}
```

没有过滤直接带入查询,如果你觉得从代码来看sql语句很麻烦,这里可以使用Sql Sever Profiler监控SQL语句。

SQL:BatchStarting select process, issubmit, id, appu SQL:BatchCompleted select process, issubmit, id, appu	. Net S
SQL:BatchStarting select process, issubmit, id, appu	. Net S
SQL:BatchCompleted select process, issubmit, id, appu	
	. Net S
Audit Logout	.Net S
Rudit Logodt	.Net S
RPC:Completed exec sp_reset_connection	.Net S
Audit Login network protocol: LPC set quote	.Net S
SQL:BatchStarting select process, issubmit, id, appu	.Net S
SQL:BatchCompleted select process, issubmit, id, appu	.Net S
Audit Logout	.Net S
RPC:Completed exec sp_reset_connection	.Net S
Audit Login network protocol: LPC set quote	.Net S
SQL:BatchStarting select process, issubmit, id, appu	.Net S
SQL:BatchCompleted select process, issubmit, id, appu	.Net 9

## Server Error in '/' Application.

#### 在将 nvarchar 值 'dbo' 转换成数据类型 int 时失败。

**Description:** An unhandled exception occurred during the execution of the current web requirement in the code.

Exception Details: System.Data.SqlClient.SqlException: 在将 nvarchar 值 'dbo' 转换成数据

#### Source Error:

An unhandled exception was generated during the execution of the current web reques be identified using the exception stack trace below.

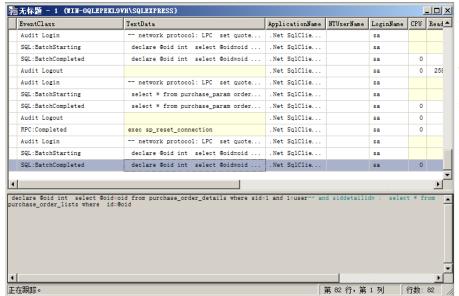
#### Stack Trace:

```
[SqlException (0x80131904): 在将 nvarchar 值 'dbo' 转换成数据类 System.Data.SqlClient.SqlConnection.OnError(SqlException e System.Data.SqlClient.TdsParser.ThrowExceptionAndWarning(T System.Data.SqlClient.TdsParser.TryRun(RunBehavior runBeha System.Data.SqlClient.SqlDataReader.TryHasMoreRows(Boolean System.Data.SqlClient.SqlDataReader.TryReadInternal(Boolea System.Data.SqlClient.SqlDataReader.Read() +42 System.Data.Common.DataAdapter.FillLoadDataRow(SchemaMappi System.Data.Common.DataAdapter.FillFromReader(DataSet data System.Data.Common.DataAdapter.Fill(DataSet dataSet Strin
```

Payload: 1%' and 1=user--

前面说到purchase/orderdetail.aspx?g=p可以绕过直接访问,具体原因可以移步<u>《第二章:越权》</u>,那么我们看看这个是否存在注入,如果存在那么将是一个前台注

```
1 using System;
2 using System.Data;
3 using System.Web.UI;
4 using System.Web.UI.HtmlControls;
5 using System.Web.UI.WebControls;
6 using DBHelper;
7 using Purchase.BLL;
9 namespace purchase.purchase
       public class OrderDetail : Page
            protected void Page_Load(object sender, EventArgs e)
                  string str = "";
this.ids = base.Request.QueryString["ids"];
this.uid = UserHelper.GetUserId;
this.username = UserHelper.GetUserName;
                  if (!string.IsNullOrEmpty(this.ids))
                        if (!SqlFilter.isIDsValid(this.ids))
                             Helper.Result(this, "参数错误", "default.aspx");
                        this.ids = Helper.FormatIds(base.Server.UrlDecode(this.ids));
                  if (base.Request.QueryString["t"] == "view")
                        this.ph_pdf.Visible = true;
                        this.isview = true;
                        this.ph_view.Visible = true;
                        this.sid = base.Request.QueryString["sid"];
                  if (!this.Page.IsPostBack)
                        this.hf_ids.Value = this.ids;
if (this.ids != null)
                             this.hf_id.Value = this.ids.Split(new char[]
                             })[0];
                             if (!(base.Request.QueryString["g"] == "p"))
                                  base.Response.Redirect("../login.aspx");
                             this.ph_pdf.Visible = false;
                        this.txt_date.Text = DateTime.Now.ToString("yyyy-MM-dd");
this.ddl_incoterm.DataSource = PurchaseHelper.GetParam("incoterm");
                        this.ddl_incoterm.DataTextField = "paramname";
this.ddl_incoterm.DataBind();
this.ddl_paycircle.DataSource = PurchaseHelper.GetParam("paycircle");
                        this.ddl_paycircle.DataTextField = "paramname";
                       this.ddl_paycircle.DataBind();
this.ddl_invoicetype.DataSource = PurchaseHelper.GetParam("invoicetype");
this.ddl_invoicetype.DataTextField = "paramname";
this.ddl_invoicetype.DataBind();
this.ddl_payment.DataSource = PurchaseHelper.GetParam("payment");
                        this.ddl_payment.DataTextField =
                                                                    "paramname";
                        this.ddl_payment.DataBind();
                        if (this.isview)
                             if (base.Request.QueryString["oid"] != null)
                                  int num = int.Parse(base.Request.QueryString["oid"]);
this.sql = " select * from purchase_order_lists where id=" + num + " ; ";
                                  this.sql = string.Concat(new string[]
                                    declare @oid int select @oid=oid from purchase_order_details where sid=",
                                        base.Request.QueryString["sid"],
" and siddetailid=",
                                        base.Request.QueryString["ids"],
                                  });
this.sql += " select * from purchase_order_lists where
                                                                                                              id=@oid ";
                             DataSet dataSet = Instance.ExeDataSet(this.sql);
```



#### Server Error in '/' Application.

#### 在将 nvarchar 值 'dbo' 转换成数据类型 int 时失败。

**Description:** An unhandled exception occurred during the execution of the curren where it originated in the code.

Exception Details: System.Data.SqlClient.SqlException: 在将 nvarchar 值 'dbo'

#### Source Error

An unhandled exception was generated during the execution of the current w be identified using the exception stack trace below.

#### Stack Trace:

[SqlException (0x80131904): 在将 nvarchar 值 'dbo' 转换 System.Data.SqlClient.SqlConnection.OnError(SqlExce System.Data.SqlClient.TdsParser.ThrowExceptionAndWa System.Data.SqlClient.TdsParser.TryRun(RunBehavior System.Data.SqlClient.SqlDataReader.TryConsumeMetaD System.Data.SqlClient.SqlDataReader.get\_MetaData() System.Data.SqlClient.SqlCommand.FinishExecuteReade System.Data.SqlClient.SqlCommand.RunExecuteReaderTd System.Data.SqlClient.SqlCommand.RunExecuteReaderCG System.Data.SqlClient.SqlCommand.RunExecuteReader(C System.Data.SqlClient.SqlCommand.ExecuteReader(C System.Data.SqlClient.SqlCommand.ExecuteReader(C System.Data.SqlClient.SqlCommand.ExecuteReader(C System.Data.SqlClient.SqlCommand.ExecuteReader(Comm

### 0x02 越权

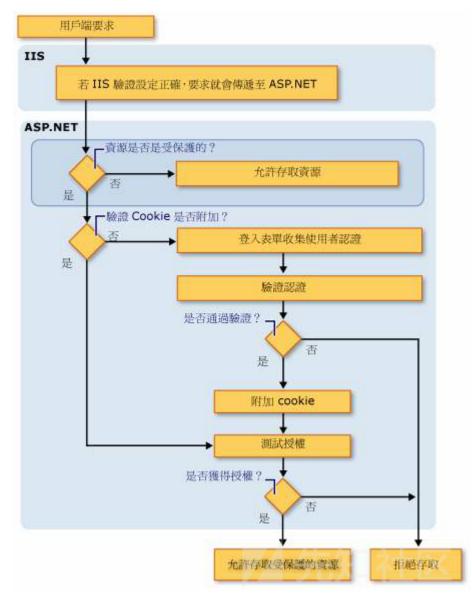
### ASP.NET安全认证

1.在web.config中有四种验证模式:

方式 描述

window Passport Form None IIS验证,在内联网环境中非常有用 微软集中式身份验证,一次登录便可访问所有成员站点,需要收费 窗体验证,验证帐号/密码,Web编程最佳最流行的验证方式 表示ASP.NET自己根本不执行身份验证,完全依赖IIS身份验证

其中FORM窗体验证的流程图:



开启form窗体验证的同时还需要配置web.config,不然就会出现问题,一般来说还需要配置最基本的页面访问权限,比如禁止匿名用户访问。

<system.web>
 <authorization>
 <deny users="?"/>
 </authorization>
</system.web>

当然还可以设置一些管理页面允许某某用户访问等等,在这套程序中开启了form然后在程序里面验证的cookies,而且并没有设置所有页面的authorization。

2.除去web.config的配置通常还有两种写法来验证是否登陆。

第一种:在每个页面判断Session["UserName"]■■■■null

第二种:类似php的include的继承,这也是本套程序使用的方法。

首先他定义了一个purchase.Master 母版页 在里面写上了权限验证的代码。

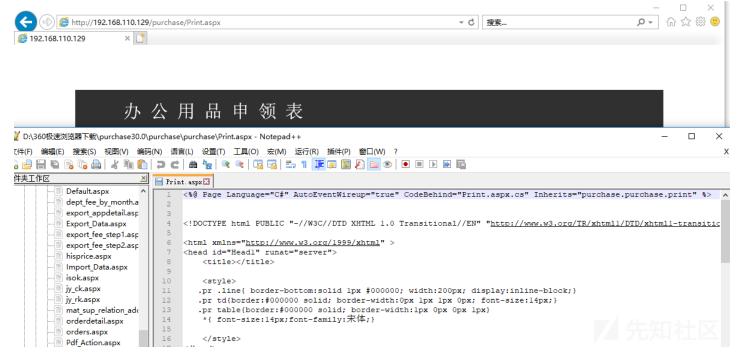
```
using System.Data;
 using System. Web. UI;
 using System. Web. UI. HtmlControls;
 using System. Web. UI. WebControls;
 using DBHelper;
 namespace Purchase. Purchase
     // loken: 0x02000080 KID: 141
     public class pur : MasterPage
         // Token: 0x06000357 RID: 855 RVA: 0x0001CA6C File Offset: 0x0001AC6C
         protected void Page_Load(object sender, EventArgs e)
             this.uid = UserHelper.GetUserId;
             if (!this.Page.IsPostBack)
                 if (DateTime. Now > DateTime. Parse ("2020-1-1"))
                     base. Response. Redirect (
                 if (this.uid <= 0)
                     base.Response.Redirect("../login.aspx");
                     this.lt_username.Text = UserHelper.GetUserName;
ad++ [Administrator]
                                                                                        \times
(R) 插件(P) 窗口(W) ?
                                                                                                X
 iting. aspx🗵 📙 ck_detail. aspx🗵 📙 m. Master 🗵 📙 ck_new. aspx🗵
                                                        Inherits="Purchase.Purchase.pur"
EventWireup="true" CodeBehind="purchase.Master.cs"
erver">
</title>
ntent="webkit">
```

然后次母版页头文件会引入MasterPageFile="~/purchase/purchase.Master"调用之前都会先调用母版页的Page\_Load函数来验证是否登陆。当然你也可能遇到没

## 寻找越权

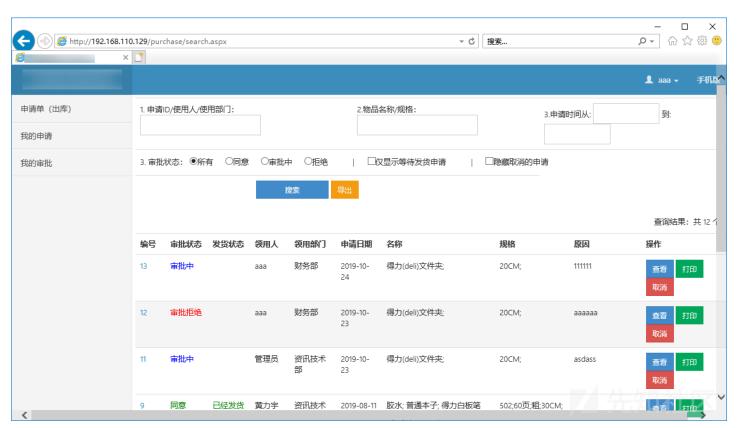
例1:

比如没有任何验证的,也没有继承验证类的,无需登陆访问



例2:

这套程序验证权限的地方比较少,只是简单的判断了是否登陆,登陆后基本可以访问大多数管理页面这里。



例3:

```
DataTable userInfoById = UsersHelper.GetUserInfoById(UserHelper.Get
                                                                                                                           (userInfoById.Rows.Count > 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       private static int UpdateUser(int uid, string username, string p
displayname, string tel, string fax, string office, string title, st
intro, bool ismgr, bool issec, bool isstaff, string mobile, string p
                                                                                                                             DataRow dataRow = userInfoById.Rows[0];
this.username.Text = dataRow["username"].ToString();
this.department.Text = dataRow["department"].ToString();
this.txt_displayname.Text = dataRow["displayname"].ToString();
this.txt_displayname.Text = dataRow["displayname"].ToString();
this.tel.Text = dataRow["fax"].ToString();
this.fax.Text = dataRow["fax"].ToString();
this.office.Text = dataRow["fitile"].ToString();
this.txt_title.Text = dataRow["title"].ToString();
this.txt_staffcode.Text = dataRow["staffcode"].ToString();
this.image_small.Text = dataRow["avtor"].ToString();
this.txt_intro.Text = dataRow["intro"].ToString();
this.mobile.Text = dataRow["intro"].ToString();
this.cb_issec.Checked = (dataRow["issec"].ToString() == "1");
this.cb_isstaff.Checked = (dataRow["isstaff"].ToString() == "1");
try
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ol flag;
(string.IsNullOrEmpty(password))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          flag = true;
password = Helper.Encrypt(password);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ,
SqlParameter[] prams = new SqlParameter[]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ssword", password),
mail", email),
partment", department),
splayname", displayname),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Squ'arameter("egnasi", email),
Sql'arameter("èdenair, email),
Sql'arameter("èdeipartment", depar
Sql'arameter("èdeipartment", disp
Sql'arameter("ètel", tel),
Sql'arameter("ètel", fax),
Sql'arameter("etel", office),
Sql'arameter("etel", office),
Sql'arameter("ètel'stelle", stallarameter("ètel'stelle", sql'arameter("ètel'stelle", stallarameter("ètel'stelle", stallarameter("ètel'stelle", stallarameter("ètel'stelle", stallarameter("ètel'stelle", stallarameter("ètelle", stallarameter("ètelle"), stallarameter("ète
                                                                                                                                                                                                                                                                                                                                                                                                                       == "1
- "1");
- "1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SqlParameter("@title", title),
SqlParameter("@staffcode", staffcod
SqlParameter("@avtor", avtor),
SqlParameter("@iver", intro),
SqlParameter("@iver", intro),
SqlParameter("@issagr", issgr),
SqlParameter("@issaff", isstaff),
SqlParameter("@isstaff", isstaff),
SqlParameter("@isstaff", isstaff),
SqlParameter("@inyin", pinyin),
SqlParameter("@ivid", uid),
SqlParameter("@ivid", uid),
SqlParameter("@company", company)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            staffcode).
                                                                                                                                                      this.ddl_sex.Items.FindByValue(dataRow["sex"].ToString()).S
                                                                                                                                }
                                                                                                                                  catch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      };
string sql = " update users users set mobile=@mobile, pinyi
"") + " email=@email,Department=@Department,displayname=@displayname
Tel=@tel,fax=@fax,staffcode=@staffcode,Office=@office,title=@title,ar
ny where uid=@uid; select @uid ";
return int.Parse(Instance.ExeScalar(sql, prams).ToString());
                                          // Token: 0x06000321 RID: 801 RVA: 0x0001A42C File Offset: 0x0001862C protected void submit_Click(object sender, EventArgs e)
                                                               string text = this.cb_isstaff.Checked ? "1" : "0";
string text2 = this.cb_ismgr.Checked ? "
string text3 = this.cb_issec.Checked ? "
if (Helper.IsUseAd)
                                                                                                                                                                                                                                                                                                             public static int UpdateUser(int uid, string username, string password, string email, string department, string department, string string string fax, string effice, string string staffcode, string avtor, string sex, string intro, string mobile, string company = "")
                                                                                     UsersHelper.UpdateUser(UserHelper.Ge
this.email.Text, this.department.Text, this.txt_disp
this.txt_title.Text, this.txt_staffcode.Text, this.i
this.txt_intro.Text, this.mobile.Text, "");
Helper.Result(this, "本地更新成功,但是在
                                                                                                                                                                                                                                                                                                                                             string pinyin = "";
if (displayname == "")
                                                                                                                                                                                                                                                                                                                                                             displayname = username;
 理员在服务器上更新。
                                                                                                                                                                                                                                                                                                                                                        (avtor == "")
                                                                                                                                                                                                                                                                                                                                                             avtor = "images/avtor.jpg";
                                                                   else
UsersHelper.UpdateUser(UserHelper.Ge

this.email.Text, this.department.Text, this.txt_disp

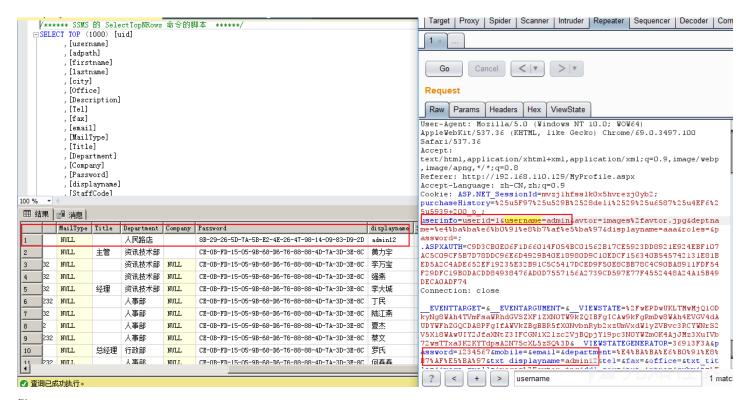
this.txt_title.Text, this.txt_staffcode.Text, this.ix

this.txt_intro.Text, this.mobile.Text, "");

Helper.Result(this, "操作成功");

Helper.Result(this, "更新成功");
                                                                                                                                                                                                                                                                                                                                                           pinyin = Pinyin.GetFirst(displayname);
                                                                                                                                                                                                                                                                                                              return UsersHelper.UpdateUser(uid, username, password, email, title, staffcode, avtor, sex, intro, false, false, false, mobile, pin
```

在MyProfile.aspx文件中直接获取表单数据进行update,并没有验证权限,导致低权限账号也可以update admin但是这里是参数化查询,所以不存在注入。修改admin的账号密码为1234567。



例4:

```
1 using System;
 2 using System.Data;
 3 using System.Web.UI;
 4 using System.Web.UI.HtmlControls;
 5 using System.Web.UI.WebControls;
 6 using DBHelper;
 8 namespace Purchase.Purchase
9 {
       public class pur : MasterPage
11
13
           protected void Page_Load(object sender, EventArgs e)
15
               this.uid = UserHelper.GetUserId;
               if (!this.Page.IsPostBack)
                   if (DateTime.Now > DateTime.Parse("2020-1-1"))
21
                        base.Response.Redirect(
                                                                           );
                    if (this.uid \Leftarrow 0)
23
25
                        base.Response.Redirect("../login.aspx");
                   else
                        this.lt username.Text = UserHelper.GetUserName;
                        bool isAdmin = RoleHelper.IsAdmin;
                        bool isOpAdmin = RoleHelper.IsOpAdmin;
                        bool isPowerView = RoleHelper.IsPowerView;
32
                        bool isAudit = RoleHelper.IsAudit;
                        this.GetMuduleStatus();
                        if (isAdmin)
                            this.ph_admin.Visible = true;
                            this.ph_auditview.Visible = true;
                            this.ph_opview.Visible = true;
                            this.ph_rptview.Visible = true;
                            this.GetAuditCount();
42
                            this.GetFhCount();
43
                        else if (isOpAdmin)
                            this.ph_admin.Visible = false;
47
                            this.ph_auditview.Visible = true;
                            this.ph_opview.Visible = true; /-
49
                            this.ph_rptview.Visible = true;
                            this.GetAuditCount();
51
                            this.GetFhCount();
```

在23-26行判断this.uid的值来进行跳转,在16行定义了他的值,跟进UserHelper.GetUserId

```
public static int GetUserId
{
   get
```

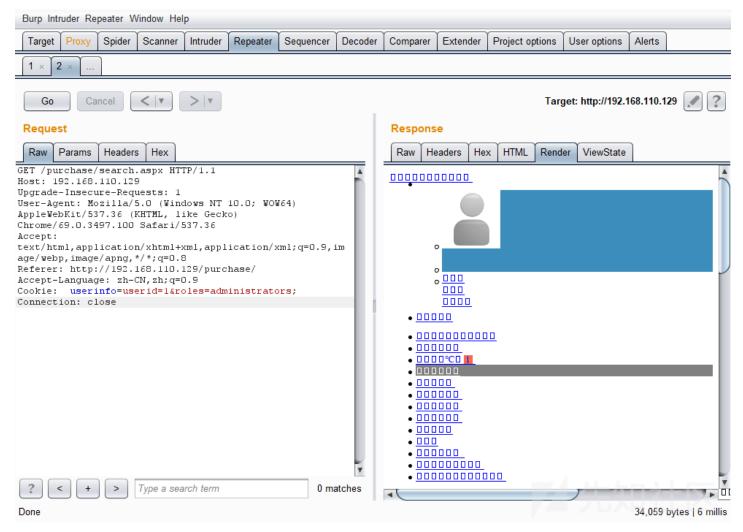
```
{
      if (Helper.IsUseAd && HttpContext.Current.Request.Cookies["userinfo"] == null)
       {
          UsersHelper.LoginAd(UserHelper.GetSamaccountName());
      if (HttpContext.Current.Request.Cookies["userinfo"] != null)
          return int.Parse(HttpContext.Current.Request.Cookies["userinfo"]["userid"]);
      return -1;
   }
}
this.uid等于cookies中获取的userinfo的值,这一步可以伪造,接着我们看到30-33这里他设置了管理员的布尔值,跟进RoleHelper.IsAdmin
public static bool IsAdmin
{
  get
   {
      string name = "IsAdmin";
      string admin = RoleHelper.Admin;
      bool? flag = HttpContext.Current.Session[name] as bool?;
      if (flag == null)
          flag = new bool?(UserHelper.IsInAnyRoles(admin));
          HttpContext.Current.Session[name] = flag;
      return flag. Value;
   }
}
```

前面从session中获取,如果flag为null则从UserHelper.IsInAnyRoles(admin)获取。

跟进IsInAnyRoles

可以看到只要我们传入的cookies中roles的等于传入的数组值就返回true其中 public static string Admin =

"administrators";,所以构造cookies:userinfo=userid=1&roles=administrators;



项目地址: <a href="https://github.com/aleenzz/.NET\_study/tree/master/asp.net\_bug">https://github.com/aleenzz/.NET\_study/tree/master/asp.net\_bug</a> 有问题还请大佬们指出QAQ

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