

# MOSS开发：Event Handlers

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# 创建一个Event Handler的步骤

- .NET 类库
  - 引用Microsoft.SharePoint.dll
  - 继承WSS receiver 类的自定义类
  - SPItemEventReceiver 或 SPWebEventReceiver

```
using Microsoft.SharePoint;
namespace Demos {
    public class MyEventHandler: SPItemEventReceiver {

        public override void ItemDeleting(SPItemEventProperties properties) {
            // do something and possibly cancel the event
            properties.Cancel = true;
            properties.ErrorMessage = "my message";
        }

        public override void ItemDeleted(SPItemEventProperties properties) {
            // do something
        }
    }
}
```

# 部署一个WSS 3.0 Event Handler

- 编译类（强命名程序集）
- 部署DLL到 GAC
- 在WSS中注册DLL为event handler
  - 通过对象模型程序化注册
  - 用WSS的feature框架

# 程序化注册 Event Handler

- Console 应用或Windows Form应用

```
private void RegisterForList
(string site, string web, string listname,
 string assembly, string class) {

    SPsite site = new SPsite(site);
    SPweb web = site.OpenWeb(web);
    SPList list = web.Lists[listname];

    list.EventReceivers.Add
        (SPEventReceiverType.ItemDeleting, assembly, class);

    list.EventReceivers.Add
        (SPEventReceiverType.ItemDeleted, assembly, class);
}
```

# 用 Feature 注册

```
<Feature Scope="web" Title="Title of Event Handler" Id="Guid"
  xmlns="http://schemas.microsoft.com/sharepoint" >
  <ElementManifests>
    <ElementManifest Location="Feature Definition File" />
  </ElementManifests>
</Feature>
```

```
<Elements>
  <Receivers ListTemplateOwner="GUID" ListTemplateId="ID">
    <Receiver>
      <Name>name of event handler</Name>
      <Type>type</Type>
      <SequenceNumber>sequence</SequenceNumber>
      <Assembly>strong name of the assembly</Assembly>
      <Class>full qualified name of class</Class>
      <Data></Data>
      <Filter></Filter>
    </Receiver>
  </Receivers>
</Elements>
```

# 安装和激活Features

- 拷贝feature到 C:\Program Files\Common Files\Microsoft Shared\web server extensions\12\TEMPLATE\FEATURES

```
stsadm.exe -o installfeature -filename MyFeature\feature.xml
```

- 用STSADM.EXE安装和激活

```
stsadm.exe -o activatefeature -filename MyFeature\feature.xml
```