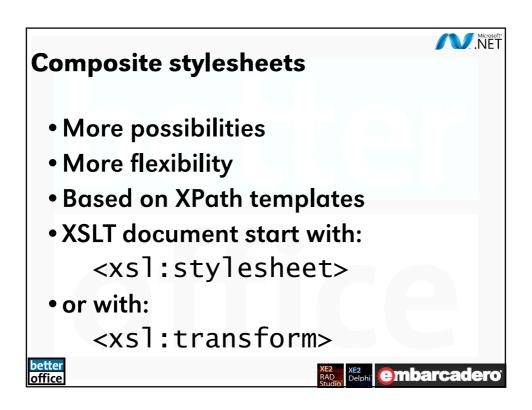


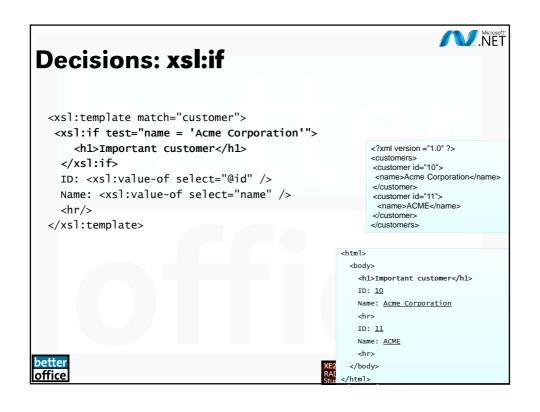
```
NET .NET
Simplified stylesheet demo
  <title>Customer Simplified StyleSheet demo</title>
    </head>
    <body>
     <h1><xsl:value-of select="/customers/customer/name"/></h1>
     ID: <b><xsl:value-of select="/customers/customer/@id"/></b>
    </body>
 </html>
  <?xml version="1.0" ?>
                                         <br/><body><br/><h1>Acme Corporation</h1>
  <customers>
    <customer id="10">2
                                           <br> (!!)
   1 < name > Acme Corporation < / name >
                                                </customer>
                                         </body>
 </customers>
office
                                        </html>
```



```
Composite stylesheet demo
  <xsl:stylesheet version="1.0" mlns:xsl="http://www.w3.org/1999/XSL/Transform">
    <xsl:template match="/">
     <html>
       <head>
         <title>Customer Simplified StyleSheet demo</title>
       </head>
       <body>
         < h1>
           <xsl:value-of select="/customers/customer/name"/>
         </h1>
         >
         <br/>
      ID: <b>
             <xsl:value-of select="/customers/customer/@id"/>
          </b>
         </body>
                                                    <body>
                  <?xml version ="1.0" ?>
     </html>
                                                      <h1>Acme Corporation</h1>
    </xsl:template> <customers>
  </xs1:stylesheet> <customer id="10">
                                                      <br>
                                                           ID: <b>10</b>
                    <name>Acme Corporation</name>
                  </customer>
                                                    </body>
office
                  </customers>
                                                    html>
```

```
Microsoft*
Composite stylesheet demo
  <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
    <xsl:template match="/">
     <html>
       <head>
         <title>Customer Simplified StyleSheet demo</title>
       </head>
       <body>
         <h1>
           <xsl:value-of select="/customers/customer/name"/>
         </h1>
         >
         <br/>br/>
       ID: <b>
             <xsl:value-of select="/customers/customer/@id"/>
           </b>
         </body>
                  <?xml version ="1.0" ?>
      </html>
                                                       <h1>Acme Corporation</h1>
    </xsl:template> <customers>
  </xs1:stylesheet> <customer id="10">
                                                       <br>
                                                            ID: <b><u>10</u></b>
                    <name>Acme Corporation</name>
                   </customer>
                                                     </body>
                  </customers>
                                                     html>
```

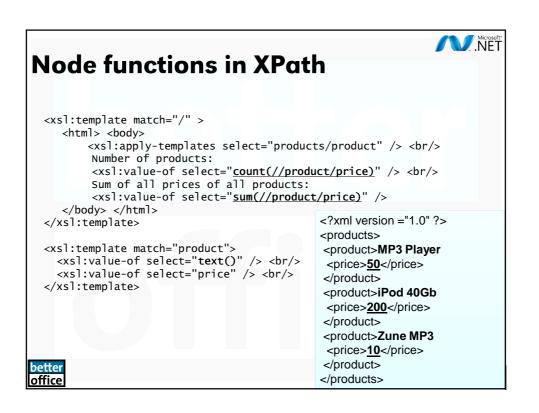
```
Multiple templates in one XSLT
  <xsl:stylesheet version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
    <xsl:template match="/customers">
                                                              <?xml version ="1.0" ?>
                                                              <customers>
       <html>
                                                               <customer id="10">
         <body>
                                                               <name>Acme Corporation</name>
                                                               </customer>
           <xsl:apply-templates select="customer" />
                                                               <customer id="11">
                                                               <name>ACME</name>
       </html>
                                                               </customer>
                                                              </customers>
    </xsl:template>
    <xsl:template match="customer">
       ID: <xsl:value-of select="@id" />
                                                        <html>
       Name: <xsl:value-of select="name" />
                                                          <body>
                                                           ID: 10
       < hr/>
                                                            Name: Acme Corporation
    </xsl:template>
                                                            <hr>
  </xsl:stylesheet >
                                                           ID: 11
                                                            Name: ACME
                                                            <hr>
                                                          </body>
office
                                                         </html>
```



```
Microsoft<sup>o</sup>
.NET
Decisions: xsl:choose
                                                                <?xml version ="1.0" ?>
   <xsl:template match="customer">
                                                                <customers>
       ID: <xsl:value-of select="@id"/>
                                                                <customer id="10">
       <br/>
                                                                 <name>Acme Corporation</name>
                                                                </customer>
       Name:
                                                                <customer id="11">
  <name>ACME</name>
       <xs1:choose>
      <xsl:when test="name='Acme Corporation'">
                                                                <b><xsl:value-of select="name"/></b>
                                                                 <name>IBM</name>
      </xsl:when>
                                                                </customer>
      <xsl:when test="name='ACME'">
                                                                </customers>
        <i><xsl:value-of select="name"/></i></i>
                                                          <html>
      </xsl:when>
                                                            <body>
      <xsl:otherwise>
                                                             ID: <u>10</u>
          <xsl:value-of select="name"/>
                                                             Name: <b>Acme Corporation</b>
      </xsl:otherwise>
                                                             <hr>
       </xsl:choose>
                                                             ID: <u>11</u>
       <hr/>
                                                             Name: </i>
  </xsl:template>
                                                             <hr>
                                                             ID: <u>12</u>
                                                             Name: IBM
better
office
                                                            </body>
                                                           </html>
```



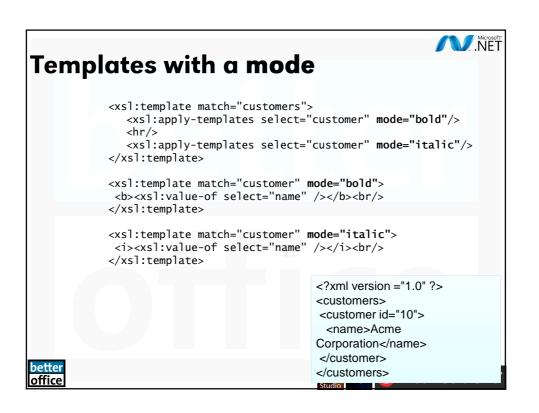
```
NET. NET
Selections using XPath
                                                         All customer nodes with an
                                                         id attribute greater or equal to
  <xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transfo</pre>
                                                          10 and having an address
                                                                 childnode
    <xsl:template match="/customers">
       <html>
         <body>
           <xsl:apply-templates select="customer[@id>=10 and address]"
         </body>
                                                  <?xml version ="1.0" ?>
      </html>
                                                  <customers>
    </xsl:template>
                                                  <customer id="9">
                                                   <name>ACME</name>
    <xsl:template match="customer">
                                                  </customer>
      ID: <xsl:value-of select="@id" />
                                                  <customer id="10">
      Name: <xsl:value-of select="name" />
                                                   <name>Acme Corporation</name>
      < hr/>
                                                   <address>Acme Acres</address>
    </xsl:template>
                                                  </customer>
                                                  <customer id="11">
  </xsl:stylesheet >
                                                   <name>ACME</name>
                                                  </customer>
                                                  </customers>
office
```



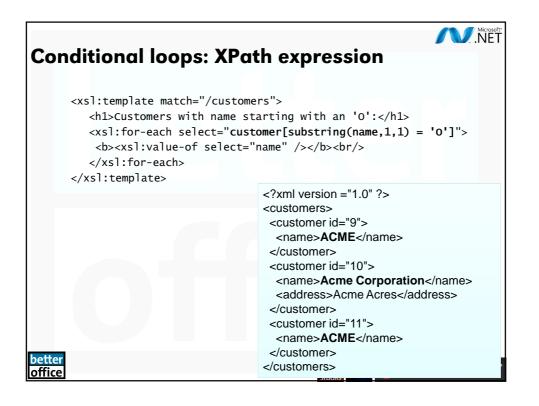
```
Microsoft<sup>o</sup>
.NET
Node set functions in XPath
  <xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
                                                          The final customer node
    <xsl:template match="/customers">
       <html>
         <body>
           <xsl:apply-templates select="customer[position() = last()]"</pre>
         </body>
       </html>
                                                    <?xml version ="1.0" ?>
    </xsl:template>
                                                    <customers>
                                                    <customer id="10">
    <xsl:template match="customer">
   ID: <xsl:value-of select="@id" />
                                                     <name>Acme Corporation</name>
                                                    </customer>
      Name: <xsl:value-of select="name" />
                                                    <customer id="11">
       <hr/>
                                                     <name>ACME</name>
    </xsl:template>
                                                    </customer>
                                                    <customer id="12">
  </xsl:stylesheet >
                                                     <name>IBM</name>
                                                    </customer>
                                                    </customers>
office
```



```
Microsoft®
Named templates
              <xsl:template match="customer">
                 <xsl:call-template name="header" />
ID: <xsl:value-of select="@id"/>
                  Name: <xsl:value-of select="name"/>
                 < hr/>
              </xsl:template>
             <xsl:template name="header">
  <h1>List of customers</h1>
              </xsl:template>
                                                    <?xml version ="1.0" ?>
                                                    <customers>
                                                    <customer id="10">
                                                      <name>Acme
                                                    Corporation</name>
                                                    </customer>
                                                    </customers>
                                                                <u>embarcadero</u>
office
```



```
Microsoft®
Loops: for-each select
          <xsl:template match="/customers">
             <h1>Customers in XML file:</h1>
             <xsl:for-each select="customer">
                <b><xsl:value-of select="name" /></b><br/>
             </xsl:for-each>
          </xsl:template>
                                        <?xml version ="1.0" ?>
                                        <customers>
                                        <customer id="10">
                                         <name>Acme
                                        Corporation</name>
                                        </customer>
                                        </customers>
                                                 embarcadero
```



```
Microsoft®
Sorting
           <xsl:template match="/customers">
              <h1>Customers in XML file:</h1>
              <xsl:for-each select="customer">
               <xsl:sort select="name" order="ascending" />
               <b><xsl:value-of select="name" /></b><br/>
              </xsl:for-each>
                                    <?xml version ="1.0" ?>
           </xsl:template>
                                    <customers>
                                     <customer id="10">
                                      <name>Acme Corporation</name>
                                      <address>Acme Acres</address>
                                     </customer>
                                     <customer id="11">
                                      <name>ACME</name>
                                     </customer>
                                     <customer id="9">
                                      <name>ACME</name>
                                     </customer>
                                    </customers>
office
```

```
Microsoft®
Variables
 <xsl:template match="/customers">
   <xsl:variable name="custname" select="'Acme Corporation'"/>
   <h1>Customer name=<xsl:value-of select="$custname" /></h1>
    <xsl:for-each select="customer[name=$custname]">
      <b><xsl:value-of select="name" /></b><br/>
    </xsl:for-each>
                                     <?xml version ="1.0" ?>
 </xsl:template>
                                     <customers>
                                      <customer id="9">
                                       <name>ACME</name>
                                      </customer>
                                      <customer id="10">
                                       <name>Acme Corporation</name>
                                       <address>Acme Acres</address>
                                      </customer>
                                      <customer id="11">
                                       <name>ACME</name>
                                      </customer>
                                     </customers>
```

