

## Rollovers

- Rollovers are simply an image swapping technique which allows you to swap images when the mouse cursor "rolls over" a particular image
- You will need to create two images, one for each mouse rollover state to implement
- Rollovers work with the 3.0+ browsers

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## Rollovers and the Document Model

- Document Object Model
  - To create a rollover you need to provide a label for the image object that you intend to swap
  - Use the IMG Tag NAME attribute
- Document Event Model
  - To create a rollover use two mouse event handlers
    - ONMOUSEOVER = Mouse over object
    - ONMOUSEOUT = Mouse out of object

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## How to Create Rollovers Step 1: Label the Image Object

```
<IMG SRC="btHomeU.gif"  
WIDTH="120" HEIGHT="60"  
BORDER="0" NAME="btHome">
```

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## How to Create Rollovers Step 2: Create Link for Image

```
<A HREF=" ../.. /core.html">  
<IMG SRC="btHomeU.gif" WIDTH="120"  
HEIGHT="60" BORDER="0"  
NAME="btHome">  
</A>
```

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## How to Create Rollovers

### Step 3: Swap Image Event Handler

```
<A HREF="../../core.html"
  ONMOUSEOVER=
    "document.btHome.src='btHomeV.gif'" >
<IMG SRC="btHomeU.gif" WIDTH="120"
  HEIGHT="60" BORDER="0"
  NAME="btHome">
</A>
```

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## How to Create Rollovers

### Step 4: Restore Image Event Handler

```
<A HREF="../../core.html"
  ONMOUSEOVER=
    "document.btHome.src='btHomeV.gif'"
  ONMOUSEOUT=
    "document.btHome.src='btHomeU.gif'" >
<IMG SRC="btHomeU.gif" WIDTH="120"
  HEIGHT="60" BORDER="0" NAME="btHome">
</A>
```

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## A Better Rollover: Preload Images

- To enhance the roll over animation all roll over images should be preloaded
- Requires the use of JavaScript in HEAD portion of HTML document
- What ever is in the head portion of the document is executed prior to the Web Page being displayed

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```
<HTML>
<HEAD>
<TITLE>Rollover with Preload</TITLE>
<SCRIPT LANGUAGE="javascript">
<!-- Hide script from old browsers

    HomeOver = new Image
    HomeOver.src = "btHomeV.gif"

    HomeUp = new Image
    HomeUp.src = "btHomeU.gif"

// End hiding script from old browser -->
</SCRIPT>
</HEAD>
```

```
<BODY BGCOLOR="#FFFFFF" TEXT="#000000">
<H3>Move Mouse Over the Home Button to Swap Image </H3>

<A HREF=" ../core.html"
  onMouseOver="document.btHome.src=HomeOver.src"
  onMouseOut="document.btHome.src=HomeUp.src">
<IMG SRC="btHomeU.gif" WIDTH="120" HEIGHT="60"
BORDER="0" NAME="btHome">
</A>
</BODY>
</HTML>
```