



ION Script Quick Reference

EVENT_DECL - Declares a new event.

```
<EVENT_DECL  
  NAME="name{A-Z, a-z, 0-9, and _ only}"  
  ACTION="url" />
```

EVENTS - Delimits block of event declarations in ION Script header.

```
<EVENTS>  
  EVENT_DECL tags  
</EVENTS>
```

IDL - Contains IDL code in ION_IMAGE or ION_DATA_OUT block.

```
<IDL>  
  IDL code  
</IDL>
```

INPUT - Defines a form field.

```
<INPUT NAME="name"  
  TYPE={ "BUTTON" |  
  "CHECKBOX" [CHECKED] |  
  "FILE" |  
  "HIDDEN" |  
  "IMAGE" [ALT="text"] [SRC="url"] ALIGN={ top |  
  middle | bottom | left | right } |  
  "PASSWORD" [MAXLENGTH="characters"]  
  [SIZE="characters"] |  
  "RADIO" [CHECKED] |  
  "RESET" |  
  "SUBMIT" |  
  "TEXT" [MAXLENGTH="characters"]  
  [SIZE="characters"] }  
  [ONBLUR=script]  
  [ONCHANGE=script]  
  [ONFOCUS=script]  
  [TABINDEX="position"]  
  [VALUE="value"] >
```

ION_BODY - delimits the Body section of an ION Script document.

```
<ION_BODY  
  [BACKGROUND="image url"]  
  [BGCOLOR="rgb value or color name"]>  
  [TEXT="rgb value or color name"]>  
  [LINK="rgb value or color name"]>  
  [VLINK="rgb value or color name"]>  
  [ALINK="rgb value or color name"]>  
  [ONLOAD="script"] [ONUNLOAD="script"]  
  [Any other <BODY> attributes] >  
  ION and HTML content  
</ION_BODY>
```

ION_BUTTON - Creates a button.

```
<ION_BUTTON  
  TYPE="BUTTON" EVENT="eventName"  
  [METHOD={ "GET" | "POST" }] [LABEL="label"]  
  [<INPUT TYPE="SUBMIT"> attributes] />
```

or

```
<ION_BUTTON  
  TYPE="IMAGE" EVENT="eventName" SRC="url"  
  [BORDER="width"] [METHOD={ "GET" | "POST" }]  
  [<INPUT TYPE="IMAGE"> attributes] />
```

ION_CHECKBOX - Creates a checkbox.

```
<ION_CHECKBOX  
  NAME="name"  
  VALUE="value"  
  [<INPUT TYPE="checkbox"> attributes] />
```

ION_DATA_OUT - Inserts IDL-generated text into ION Script page.

```
<ION_DATA_OUT  
  [ASTEXT={ "TRUE" | "FALSE" }]  
  [DEBUG={ "TRUE" | "FALSE" }]  
  [METHOD={ "GET" | "POST" }]  
  [PRE={ "TRUE" | "FALSE" }]  
  [SERVER="url"] >  
  <IDL> IDL code (can contain $variable) </IDL>  
</ION_DATA_OUT>
```

ION_EVALUATE - Evaluates expressions in ION Script document.

```
<ION_EVALUATE  
  EXPR="expression"  
  [DISPLAY= { "TRUE" | "FALSE" }]  
  [FORMAT="format string"] />
```

ION_FORM - Defines a form in an ION Script document.

```
<ION_FORM  
  [METHOD={ "GET" | "POST" }]  
  [NAME="name"]  
  [TARGET="frame target"]  
  [<FORM> attributes except ACTION] >  
  [<INPUT> tags]  
  [<ION_CHECKBOX /> tags]  
  [<ION_RADIO /> tags]  
  [Any HTML or ION tag except FORM, ION_FORM]  
</ION_FORM>
```

ION_HEADER - Declares information about ION Script document.

```
<ION_HEADER [<HEAD> attributes]>
  [<AUTHOR> author </AUTHOR>]
  [<APPLICATION> app name </APPLICATION>]
  [<COPYRIGHT>copyright</COPYRIGHT>]
  [<DATE> date </DATE>]
  [<LASTUPDATE>date</LASTUPDATE>]
  [<TITLE> title </TITLE>]
  [<EVENTS> event_decl tags </EVENTS>]
  [<VARIABLES>
    VARIABLE_DECL tags
  </VARIABLES>]
  [Any HTML tags that are valid inside HEAD, such as
  <BASE>, <LINK>, <META>, <SCRIPT>, <STYLE>]
</ION_HEADER>
```

ION_IF, ION_ELSEIF, ION_ELSE - Allows parts of an ION Script document to be conditionally evaluated and displayed.

```
<ION_IF EXPR="expression">
  ION or HTML content
<ION_ELSEIF EXPR="expression" />
  ION or HTML content
<ION_ELSE />
  ION or HTML content
</ION_IF>
```

ION_IMAGE - Inserts an IDL-generated graphic into ION Script page.

```
<ION_IMAGE
  TYPE={"DIRECT" | "OBJECT"}
  [BORDER="width"]
  [DEBUG={"TRUE" | "FALSE"}]
  [EVENT="eventName"]
  [HEIGHT="height"] [WIDTH="width"]
  [IMG_TYPE={"PNG8" | "PNG24" | "JPEG24"}]
  [LABEL="label"] [SERVER="url"]
  [TARGET="frame target"]
  [<IMG> attributes (if EVENT not present) or
  <INPUT> attributes (if EVENT present)] >
  <IDL> IDL code </IDL>
</ION_IMAGE>
```

ION_INCLUDE - Inserts the contents of another ION Script, text, or HTML file into the current ION Script document.

```
<ION_INCLUDE
  SRC="url"
  [ASTEXT={"TRUE" | "FALSE"}]
  [PRE={"TRUE" | "FALSE"}] />
```

ION_LINK - Creates a hyperlink with an associated event and value.

```
<ION_LINK
  EVENT="eventName"
  [TARGET="frame target"]
  [NAME1="name" VALUE1="value"]
  ...
  [NAMEn="name" VALUEn="value"]
  [<A> attributes except HREF] >
  Link Text (can be HTML)
</ION_LINK>
```

ION_OBJECT - Inserts objects such as VRML, MPEG, and WAV files into an ION Script page.

```
<ION_OBJECT>
  FILE="filename"
  MIME="mime-type"
  [DEBUG={"TRUE" | "FALSE"}]
  [DELETE_FILE={"TRUE" | "FALSE"}]
  [HEIGHT="height"] [WIDTH="width"]
  [OBJECTYPE={"EMBED" | "OBJECT"}]
  [SERVER="server name"]
  [Any attribute of EMBED or OBJECT tag]
  [ION_PARAM tags]
  <IDL>
    IDLcode used to write a file named filename
  </IDL>
</ION_OBJECT>
```

ION_PARAM - Defines object parameters in an ION_OBJECT block.

```
<ION_OBJECT>
  <ION_PARAM
    [Any PARAM attributes. Can contain $variable.] />
</ION_OBJECT>
```

ION_RADIO - Creates a radio button.

```
<ION_RADIO
  NAME="group name"
  VALUE="value"
  [DEFAULT]
  [<INPUT TYPE="radio"> attributes] />
```

ION_SCRIPT - Container in which all ION Script tags must reside.

```
<ION_SCRIPT
  [SYNTAX={"OFF" | "COMMENT" | "PRE" }]
  [<HTML> tag attributes] >
  ION Script tags
  [HTML tags]
</ION_SCRIPT>
```

ION_VARIABLE - Inserts the value of a variable into the processed document.

```
<ION_VARIABLE
  NAME="$variable"
  [FORMAT="format string"] />
```

VARIABLE_DECL - Declares a new ION Script variable.

```
<VARIABLE_DECL
  NAME="name"
  TYPE={"BOOL" | "INT" | "DOUBLE" | "STR"}
  VALUE="expression"
  [PERSIST={"TRUE" | "FALSE"}] />
```

VARIABLES - Delimits a block of variable declarations in the header section of an ION Script document.

```
<VARIABLES>
  VARIABLE_DECL tags
</VARIABLES>
```

