

JADE Tech, Inc.

# Dynamic Web-Enabled Data Collection



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## Introduction

- ⇒ Web-based Data Collection Forms
- ⇒ Error Trapping
  - ⇒ Server Side Validation
  - ⇒ Client Side Validation
- ⇒ Dynamic generation of web pages with Scripting
- ⇒ Using SAS to write HTML and JavaScript "on-the-fly"
- ⇒ FILESRV Utility

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## Overview

- ⇒ Thin client (browser-based) collection of information
- ⇒ Traditionally, SAS has relied on server-side processing
- ⇒ More efficient to pre-process on the client-side and post-process on the server-side
- ⇒ Technologies reviewed:
  - ⇒ SAS/IntrNet, HTML, JavaScript

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## The SCRIPT Tag

### External JavaScript

```
<HTML><HEAD>  
  <SCRIPT language = "JavaScript"  
    src = "http://url/MyScriptFile.js">  
  </SCRIPT>  
</HEAD>  
<BODY>  
  
</BODY></HTML>
```

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## The SCRIPT Tag

### InStream JavaScript

```
<HTML><HEAD>  
  <SCRIPT language = "JavaScript">  
    <!-- hide this from non-JavaScript browsers  
      function init() {  
        }  
    // -->  
  </SCRIPT>  
</HEAD>  
<BODY>  
</BODY></HTML>
```

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## JavaScript Event Handlers

- ⇒ **onChange**
  - ⇒ when a field is changed
- ⇒ **onClick**
  - ⇒ when a CheckBox or Radio Button is clicked
- ⇒ **onSubmit**
  - ⇒ invoked when Form is submitted
- ⇒ **onFocus**
  - ⇒ when user enters a field
- ⇒ **onLoad**
  - ⇒ when web page is loaded or refreshed

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