Mobile Reporting at University of Central Florida

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University of Central Florida
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Washington, DC
University of Central Florida (UCF)
Enterprise Decision Support (EDS)

- Unit of Institutional Knowledge Management (IKM)
- Support Decision-making and Planning
- Enterprise Data Warehouse
- Business Intelligence (BI) & Information Portal
- Data Integration (DI) Services
- Support Decision-making and Planning
- Over 30 million records of student data
SAS® 9.2 software used during the development of reports

- SAS® Information Delivery Portal
- SAS® Web Report Studio 4.3
- SAS® Information Map Studio 4.2
- SAS® Enterprise Guide® 4.3
- SAS® Stored Processes
Development Limitations

- Design: Metrics and KPIs
- Technical: Internet browsers
  - Chrome
  - Firefox
  - Internet Explorer
- Technical: Developer’s environment
- Technical: Compatibility issues
  - SAS technical bulletins TS2M2 TS2M3
SAS Web Report Studio 4.3 Issues

- Hot Fix Downloads and Issue(s) Addressed

- Issues related to text boxes:
  » [Problem Note 42499](#)
  » [Problem Note 42466](#)
  » [Problem Note 41486](#)

- It is not the same to create a text box using FF3 or IE7
  » [Font size and color issue in PDF](#)
Design workaround

- Issues when designing in IE8/9 as IE7: including IE caching
- Firefox 3: released on June 17, 2008
  - support ended on March 30, 2010 (rev19).
- Text boxes issues while using Firefox 3.6 and above

- IE Tab 2 (free add-on) allows to use IE to display web pages in a tab within Firefox. Get IE Tab for Chrome
IE Tab 2 settings

IE Tab 2 Options

IE Tab Compatibility Mode
- IE7 Standards Mode
- IE8 Standards Mode
- IE8 Forced Standards Mode
- IE9 Standards Mode
- IE9 Forced Standards Mode

* This feature only works if you have IE8+ installed
* You must re-start firefox for changes to take effect
Read more about the above options at the IE Team Blog

Enable Sites Filter
- URL: chrome://superstart/
iPad Limitations

- **Design**: provide the RIGHT answer in one screen
- **Technical**: Internet browsers

- Current platform compatibility issues
  - Safari vs. SAS WRS
  - no full screen capability as default
- **Device dimensions and resolution**
iPad Design Resolution

1024 x 768

LANDSCAPE
Mobile Reports
Mobile Reports
Mobile Reports
Mobile Reports
Limitations and Solutions

- Development
  - Current SAS platform and compatibility issues
  - Design challenges
  - Browser compatibility issues

- iPad
  - Browser compatibility limitations besides full screen
  - iPad dimension / resolution

- Results: Mobile Reports
Recommended Reading

- Information Dashboard Design. Analytics Press. 2013
Contact Information

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# SAS® 9.2 (TS2M2) Support for Web Browsers and Plug-Ins

This page contains the minimum version requirements of Web browser software for use with the second maintenance release for SAS 9.2 (TS2M2). It is possible to use updated versions of third-party software listed below.

- Web Browsers Last Updated: February 15, 2012
- Adobe Flash Player

## Web Browsers

The table below lists the Web browsers that are supported for use with SAS Foundation software and SAS client applications.

For the UNIX, VMS, and MVS platforms, SAS 9.2 Foundation software assumes that users will use the Remote Browser Server to display Help and Online Documentation and to view ODS HTML output. The Remote Browser Server is automatically started when the client applications are started. The browsers listed in the table below to display output.

For the Windows platforms, SAS 9.2 Foundation uses Microsoft Internet Explorer or Firefox for web browser and can use either Microsoft Internet Explorer, Firefox, or an embedded browser to display ODS results.

You can download the Remote Browser Server from the Software Downloads page.

<table>
<thead>
<tr>
<th>Web Browser</th>
<th>Platform</th>
<th>Version</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internet Explorer</td>
<td>Windows XP SP2 (32-bit or 64-bit</td>
<td>x64)</td>
<td>6.0.2900.2180</td>
</tr>
<tr>
<td>Internet Explorer</td>
<td>Windows Server 2003 (32-bit, 64-bit</td>
<td>x64, or 64-bit Itanium)</td>
<td>6.0.0.3790.0000</td>
</tr>
<tr>
<td>Internet Explorer</td>
<td>Windows XP SP2 (32-bit or 64-bit</td>
<td>x64)</td>
<td>7.0.5730.0</td>
</tr>
<tr>
<td>Internet Explorer</td>
<td>Windows Server 2003 (32-bit, 64-bit</td>
<td>x64, or 64-bit Itanium)</td>
<td>7.0.5730.0</td>
</tr>
<tr>
<td>Internet Explorer</td>
<td>Windows Vista (32-bit or 64-bit</td>
<td>x64)</td>
<td>7.0.5730.0</td>
</tr>
<tr>
<td>Firefox</td>
<td>Linux 32-bit (x86)</td>
<td>2.0.0.11</td>
<td>Only the 32-bit version of the browser is supported. Click Download in the Linux column. Only the English version has been tested. This link downloads a .gz compressed tarball. Extra information is in the tarball.</td>
</tr>
</tbody>
</table>
### SAS® 9.2 (TS2M3) Support for Web Browsers and Plug-ins

This page contains the minimum version requirements of Web browser software for use with the third maintenance release for SAS 9.2 (TS2M3), beginning with revision 10x46.

**Note:** The minimum version requirements for Web browser software for use with SAS 9.2 (TS2M3) as through revision 10x42 are the same as for the second maintenance release for SAS 9.2 (TS2M2).

It is possible to use updated versions of the third-party software listed below. See SAS® Third-Party Software Requirements - Baseline and Higher Support for more details.

- SAS® Web Browser List Updated: February 16, 2012
- Adobe Flash Player

**Web Browsers**

The table below lists the Web browsers that are supported for use with SAS® Foundation software and SAS client applications.

For the UNIX, VAX, and MVS platforms, SAS® Foundation assumes that users will use the Remote Browser Server to display Help and Online Documentation and to view VOD HTML output. The Remote Browser Server runs on the user’s Windows or Linux desktop machine and uses one of the browsers listed in the table below.

For the Windows platform, SAS® Foundation uses Microsoft Internet Explorer or Firefox for display and can use either Microsoft Internet Explorer, Firefox, or an embedded browser to display VOD results.

You can download the Remote Browser Server from the Software Downloads page.

<table>
<thead>
<tr>
<th>Web Browser</th>
<th>Platform</th>
<th>Version</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internet Explorer</td>
<td>Windows XP SP2 (32-bit or 64-bit x64)</td>
<td>6.0.2893.2185</td>
<td>Only the 32-bit version of the browser is supported.</td>
</tr>
<tr>
<td>Internet Explorer</td>
<td>Windows Server 2003 (32-bit or 64-bit x64)</td>
<td>5.0.3796.0800 (64-bit)</td>
<td>Only the 32-bit version of the browser is supported.</td>
</tr>
<tr>
<td>Internet Explorer</td>
<td>Windows XP SP2 (32-bit or 64-bit x64)</td>
<td>7 and 8</td>
<td></td>
</tr>
<tr>
<td>Internet Explorer</td>
<td>Windows Server 2003 (32-bit or 64-bit x64)</td>
<td>7 and 8</td>
<td></td>
</tr>
<tr>
<td>Internet Explorer</td>
<td>Windows Vista (32-bit or 64-bit x64)</td>
<td>7 and 8</td>
<td>Sometimes Internet Explorer does not render long lines of text correctly on the View tab of a Web report, such as a SAS® Web Report Studio Report. If this is the case, resize the window width to resolve the issue. For a text-rendering issue, view the sample display.</td>
</tr>
<tr>
<td>Internet Explorer</td>
<td>Windows Server 2008 (32-bit or 64-bit x64)</td>
<td>7 and 8</td>
<td></td>
</tr>
<tr>
<td>Internet Explorer</td>
<td>Windows 7 (32-bit or 64-bit x64)</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Internet Explorer</td>
<td>Windows Server 2008 R2</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Internet Explorer</td>
<td>Windows Vista and Windows 7 (for both 32-bit and 64-bit x64)</td>
<td>9</td>
<td>Only the 32-bit version of the browser is supported. Internet Explorer 9 is supported in the third maintenance release for SAS 9.2 (TS2M3) and in SAS® Enterprise BI 4.3. To get this support, you must install a series of hot fixes, as described in SAS Note 45888.</td>
</tr>
<tr>
<td>Firefox</td>
<td>Linux 32-bit (x86)</td>
<td>2.0.11</td>
<td>Only the 32-bit version of the browser is supported.</td>
</tr>
</tbody>
</table>
Problem Note 42499: error with dynamic text while editing

Problem Note 42499: "ERROR: sas_RichTextEditField();" might occur in SAS® Web Report Studio when editing a text object with dynamic text.

When SAS Web Report Studio is running in Microsoft Internet Explorer, one of the following errors might occur when editing a text object that contains dynamic text:

The page at http://sasbi.demo.sas.com:8080 says:

ERROR: sas_RichTextEditField(): expected a text node

Message from webpage

ERROR: sas_RichTextEditField.insertTextAtProxySelection(): cannot find text proxy after insertHtml()

This problem is most likely to occur if you edit the text object, delete the text, and then hit the space bar.

To circumvent the problem, add an empty space after the dynamic text before you delete the text.
Problem Note 42466: error while editing using FF 3.6

Problem Note 42466: "ERROR: sas_RichTextEditField(): expected a text node" might occur in SAS® Web Report Studio when editing a text object.

When SAS Web Report Studio is running in Mozilla Firefox 3.6, the following error might occur when editing a text object.

The page at http://sasbi.demo.sas.com:8080 says:

ERROR: sas_RichTextEditField(): expected a text node

This problem is most likely to occur if you remove all of the text, and then press the space bar.

Click the Hot Fix tab in this note to access the hot fix for this issue.
Problem Note 41486: error when including the word “script”

In SASE Web Report Studio, if your Text object includes the letters a-z, a-z, 0-9, either alone or as part of a word such as Description, you will see the following error when you click OK in the dialog box:

Exception parsing at unknown location cause: null

The error occurs for all browsers, and it occurs regardless of whether the letters are all lowercase, all uppercase, or mixed case. There is no workaround that will enable you to include the letters a-z, a-z, 0-9 as part of the text.

### Operating System and Release Information

<table>
<thead>
<tr>
<th>Product Family</th>
<th>Product</th>
<th>Product Release</th>
<th>SAS Release</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Reported</td>
<td>Fixed</td>
</tr>
<tr>
<td>SAS System</td>
<td>SAS Web Report Studio</td>
<td>4.2</td>
<td>4.4</td>
</tr>
<tr>
<td></td>
<td>z/OS</td>
<td>4.2</td>
<td>4.4</td>
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<td></td>
<td>Microsoft® Windows® for x86</td>
<td>4.2</td>
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<td></td>
<td>Microsoft Windows Server 2003 Datacenter Edition</td>
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<td>4.4</td>
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<tr>
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<td>Microsoft Windows Server 2003 Enterprise Edition</td>
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<td>4.4</td>
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<td>Microsoft Windows Server 2003 Standard Edition</td>
<td>4.2</td>
<td>4.4</td>
</tr>
<tr>
<td></td>
<td>Microsoft Windows Server 2003 for x64</td>
<td>4.2</td>
<td>4.4</td>
</tr>
<tr>
<td></td>
<td>Microsoft Windows Server 2006 for x86</td>
<td>4.2</td>
<td>4.4</td>
</tr>
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<td></td>
<td>Microsoft Windows XP Professional</td>
<td>4.2</td>
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<td></td>
<td>Windows Vista</td>
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<td>4.4</td>
</tr>
<tr>
<td></td>
<td>Windows Vista for x64</td>
<td>4.2</td>
<td>4.4</td>
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<td></td>
<td>64-bit Enabled AIX</td>
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<td>4.4</td>
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<tr>
<td></td>
<td>64-bit Enabled Solaris</td>
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<td>4.4</td>
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<td>HP-UX IFF</td>
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<tr>
<td></td>
<td>Linux for x86</td>
<td>4.2</td>
<td>4.4</td>
</tr>
<tr>
<td></td>
<td>Solaris for x64</td>
<td>4.2</td>
<td>4.4</td>
</tr>
</tbody>
</table>

* For software releases that are not yet generally available, the Fixed release is the software release in which the problem is planned to be fixed.

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**Description**

Students are placed into academic year cohorts based on the first term they are enrolled as a Junior (if they transfer in at the senior level due to high transfer credit, then the first term is used). The recent student type and highest degree found on the Student Information File (SIF) for the corresponding term classifies the student as ‘FTIC’ or ‘FCS AA Transfer’. Students who do not fit one of these descriptions are excluded from the study. Using the same SIF record, students are identified as having one unique College, Plan, and CIP code (based on Plan). These data reflect the students' status at the end of the term.
Font size and color issue in PDF

Source: Retention_Fact. Summer–Fall Full–Time cohort used for the Performance Incentive Matrix, Summer–Fall All cohort used for the Annual Report, and Fall Full–Time cohort kept as historical record

Best viewed at 1024x768 in Internet Explorer's full screen mode. On IE menu bar go to 'View' and select 'Full Screen'

Screen (above) vs. PDF (below)

Source: Retention_Fact. Summer–Fall Full–Time cohort used for the Performance Incentive Matrix, Summer–Fall All cohort used for the Annual Report, and Fall Full–Time cohort kept as historical record

Best viewed at 1024x768 in Internet Explorer's full screen mode. On IE menu bar go to 'View' and select 'Full Screen'