Intro to Dashboards

Technologies used by BigFix

- **XML (+XSD)**
- **HTML**
- **JavaScript**
- **JSON**
- **SQLite**
- **SQL**
- **REST (APIs)**
- **WMI**

- **Client Relevance**
- **Session Relevance**

BigFix Client Relevance

Asks a question of 1 computer at a time

BigFix Session Relevance

Asks questions of BigFix itself
Ask questions of 1 or more computers at a time
(and a whole lot more)

BigFix Console
Web Reports
Dashboards

all powered by Session Relevance

Custom BigFix Web Reports

HTML + JavaScript + Session Relevance

BigFix Console Dashboards

HTML + JavaScript + Session Relevance + More

Dashboard Structure
The **OJO** File

XML format used for metadata, but primarily HTML

a bit of XML

```xml
<?xml version="1.0"?>
<!-- vim: set syntax=xml: -->
<MyAwesomeRootTag>
  Hello World!
</MyAwesomeRootTag>
```

HTML inside XML: CDATA tag

<![CDATA[whatever]]>

HTML inside XML: CDATA tag

```xml
<?xml version="1.0"?>
<MyAwesomeRootTag><![CDATA[
  <html>
    <body>Hello World</body>
  </html>
]]>
</MyAwesomeRootTag>
```

XML Schema (XSD)

- Defines how XML should be structured
- The structure can be validated independently
- Validates the structure, but not the content *(generally)*
- BigFix content is governed by BES.xsd

Dashboard Structure
The **OJO** File

XML format used for metadata, but primarily HTML

```xml
<?xml version="1.0"?>
<!-- vim: set syntax=xml: -->
<BES>
  <Wizard>
    <Title>Custom - IE11 Dashboard Template</Title>
    <UIHooks LaunchType="Document" RequiresAuthoring
    <DefaultPage>DefaultPage</DefaultPage>
    <Page Name="DefaultPage" DocType="HTML5" >
        <Title>IE11 Dashboard Template</Title>
```

```
<Page Name="DefaultPage" DocType="HTML5">
    <Title>IE11 Dashboard Template</Title>
    <Head><![CDATA[
        <meta http-equiv="X-UA-Compatible" content="IE=11">
        <script>window.onerror = function(event, source, li
    ]]></Head>
    <HTML><![CDATA[
<script language="javascript">InsertUtilityDiv();</script>

<h2>IE11 Dashboard Template</h2>
```

```
<style>
div#wr_datapage > br + br {
    display: none;
}
</style>
            ]]></HTML>
            </Page>
        </Wizard>
</BES>
```

Dashboard Demos

https://github.com/jgstew/bigfix-content/tree/master/dashboards

Lab Intro

https://github.com/jgstew/jgstew.github.io/blob/master/_posts/2018-10-29-Open-BigFix-Console-Presentation-Debugger.md

QnA

Questions?