vmware vSphere Client – HTML SDK Fling

The vSphere HTML Client SDK Fling provides libraries, sample plug-ins, documentation and various SDK tools to help you develop and build user interface extensions which are compatible with both vSphere Client (HTML5) and vSphere Web Client. The HTML Client SDK Fling is based on the existing HTML Bridge APIs which allows already existing HTML Bridge plug-ins functionality to be fully supported in the new vSphere Client (HTML5). You can use the HTML Client SDK Fling to extend existing HTML Bridge plug-ins or build pure HTML5 plug-ins from scratch and test them in the vSphere Client (HTML5).

You can successfully deploy existing or new HTML plug-ins on the vSphere HTML5 Client Fling if you have followed the forward compatibility instructions for developing HTML-based plug-ins.

The HTML Client SDK Fling consists of the following components:

- Libraries for server and user interface development.
- Documentation about how to set up your development environment, build HTML plug-ins compatible with both the vSphere Web Client and the new HTML5-based vSphere Client, and troubleshooting information.
- Sample HTML plug-ins that work on both HTML5-based vSphere Client and the vSphere Web Client.
- Various SDK tools.

The following features have been introduced to the HTML Client SDK Fling:

- HTML-Based Portlet Support on Summary View

Starting with the first HTML Client SDK Fling release, plug-in developers can implement HTML-based portlets and display them within an existing Summary view for vSphere or custom object.

- HTML-Based Plug-Ins Compatibility

To ensure that your HTML-based plug-ins are compatible with the new HTML5-based vSphere Client (in addition to the already existing vSphere Web Client), always use relative URLs in your HTML and JS code and use the *webContextPath* defined in *web-platform.js* file.

For detailed technical instructions refer to the documentation provided inside the SDK and updated samples.

Note: This is a Fling release and the official documentation is not completed. Please use the documentation provided inside the SDK and feel free to share your feedback.

RELEASE NOTES

HTML SDK Fling 3 [Aug 30, 2016] – Build 4321818

- New Features

- If you want to register a plug-in as a vCenter server extension, you can use the newly introduced tool available from "html-client-sdk\tools\vCenter Plugin Registration" directory. In addition to prebuilt extension-registration.sh for Mac OS and extension-registration.bat for Windows OS scripts, this directory contains a plug-in registration source code that can be customized to fit your own business purpose.

- OSGi usage validation is present in this version of HTML Client which helps you identify if your plug-in follows important rules outlined in the "OSGi-Specific Recommendations" section of the Best practices guide.

All new features are covered in details in *Getting_Started_with_HTML_Client_SDK_Fling.pdf.*

- New System Requirements

- Apache Ant version 1.8.0 or above

- Bug Fixes

- Ant build scripts of SDK samples report SUCCESS even when the compilation fails.
- Persistent XSS in VM name when navigating to a VM is fixed for summary portlet and manage view.
- Fixed the loading of string resources for plugins deployed as vCenter extensions.

- Known Issues

Refer to *"Known Issues"* section present in Getting_Started_with_HTML_Client_SDK_Fling.pdf

HTML SDK Fling 2 [Aug 22, 2016] - Build 4287567

- New Features

- If you want to deploy a plug-in on the HTML Client you no longer need to update the compatibility-matrix.xml used in HTML Client SDK Fling 1. Starting from HTML Client SDK Fling 2, in order to deploy a plug-in on the new HTML-based client you must add the attribute *type="html"* in your plugin-package.xml file. You can find exact technical example in the existing samples present in *"html-client-sdk\samples"* directory. This type shall be used only for HTML plug-ins.
- Custom object lists now show the object names with a link to the view of the selected object.
- There are new scripts to create template projects from the command line. Scripts are available from *"html-client-sdk\tools\Plugin generation scripts"* and called *create-html-plugin.sh* for Mac OS and *create-html-plugin.bat* for Windows OS.
- There are new scripts to create the plugin package folder. The scripts are called *build-plugin-package.sh* for Mac OS and build-plugin-package.bat for Windows and appear once *pluginName-ui* and *pluginName-service* are created.

All new features are covered in details in *Getting_Started_with_HTML_Client_SDK_Fling.pdf.*

- Improvements

- Fling documentation *Getting_Started_with_HTML_Client_SDK_Fling.pdf* includes a new section listing the location of Virgo logs.
- *Frequently Asked Questions* document available from *"html-client-sdk\docs\ FAQ.html"* is extended with new questions and corresponding answers.

- Bug Fixes

- Missing extension *vsphere.core.navigator.solutionsCategory* is now added.
- Composed exception in vsphere-wssdk summary sample, when portlet viewed the first time, is fixed.

- Known Issues

Refer to *"Known Issues"* section present in Getting_Started_with_HTML_Client_SDK_Fling.pdf