

CEP 7 Feature List

CEP 7.0 Feature List for CC 2016 June release

- CEP 7.0 Compiler Upgrade.
- Remove the support for Flash extensions.
- Support 64 bit CEPHtmlEngine on Windows.
- Support the new "mixed context" mode for HTML extensions using node.js.
 - The "mixed context" mode is disabled by default. Unlike the default "separate context" mode where a "required" node module is in a separate JavaScript context, a "required" node module and the JavaScript code that "requires" it are in the same context in the new "mixed context" mode, eliminating all the inconveniences in the old "separate context" mode.
 - To enable it, add command line parameter "--mixed-context" to your extension manifest.

```
<Parameter>--mixed-context</Parameter>
```

- Support Point-to-Point Vulcan Messaging in Vulcan.js. The steps are as follows:
 - Get all available endpoints.
 - Select the destination endpoint and get appId and appVersion from it.
 - Create Vulcan message with the destination appId and appVersion.
 - Dispatch Vulcan message.

```
var endPointList = VulcanInterface.getEndpoints();
var destIndex = 0;
var appId = GetValueByKey(endPointList[destIndex], "appId");
var appVersion = GetValueByKey(endPointList[destIndex],
    "appVersion");
var message = new VulcanMessage(VulcanMessage.TYPE_PREFIX +
    "test", appId, appVersion);
message.setPayload("blablabla...");
VulcanInterface.dispatchMessage(message);
```

- Refactor IPC Implementation on Mac.
- Bug fixes in CEF 3 library.
- Support fake top-level frame so that websites like twitter, google and facebook can be embedded.
- Support HTML contenteditable attribute.
- Support HTML tel input type.
- Support not enforcing FIFO queueing of evalScript() requests across extensions.
 - By default, the evalScript requests are served in First-In-First-Out order across extensions. For host applications which can execute evalScript requests

asynchronously, they have the option to control the order according to their use cases.

- Support more fine grained control over host availability for bundled extensions

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<ExtensionManifest xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" ExtensionBundleId="com.adobe.CEPHTMLTEST"
ExtensionBundleVersion="1.0" Version="7.0">
  <ExtensionList>
    ...
    <Extension Id="com.adobe.CEPHTMLTEST.Panel1" Version="7.0.0"/>
    ...
  </ExtensionList>
  <ExecutionEnvironment>
    <HostList>
      <Host Name="DRWV" Version="15.0" />
      <Host Name="FLPR" Version="15.0" />
      <Host Name="IDSN" Version="11.0" />
      <Host Name="AICY" Version="11.0" />
      <Host Name="ILST" Version="19.0" />
      <Host Name="PHSP" Version="16.0" />
      <Host Name="PHXS" Version="16.0" />
      <Host Name="PPRO" Version="9.0" />
      <Host Name="PRLD" Version="4.0" />
      <Host Name="AEFT" Version="13.0" />
      <Host Name="DEMO" Version="1.0" />
      <Host Name="AUDT" Version="8.0" />
      <Host Name="LTRM" Version="7.0" />
      <Host Name="MUSE" Version="2015" />
    </HostList>
    ...
  </ExecutionEnvironment>
  <DispatchInfoList>
    ...
    <Extension Id="com.adobe.CEPHTMLTEST.Panel1">
      <HostList>
        <Host Name="PHXS" />
      </HostList>
      ...
    </Extension>
    ...
  </DispatchInfoList>
</ExtensionManifest>
```

The `HostList` tag inside of the `Execution Environment` tag specifies the default hosts supported. However, the user can now override the default host list by adding a `HostList` tag within `Extension` tags under `DispatchInfoList`.

It is important to note that adding `HostList` nodes with no child nodes is akin to turning that particular extension off for all host applications; this behavior is intentional. Backward compatibility is also maintained for users who wish to specify a single host in the `DispatchInfo` tag's `Host` attribute.

Please refrain from specifying both HostList tags and Host attributes in DispatchInfo tags for each extension; choose one or the other. Specifying both will more than likely result in unexpected behavior. The Host attribute is only maintained for backward compatibility. New extensions should use HostList tags, not the Host attribute.