Run Internationalized HTML5 App as Native Windows Program



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End User Products Based on .NET Targeting the Online and Retail Market





Overview

Internationalization of a HTML5 App

- JSON Language File
- HTML File
- I18n JavaScript Library
- Helper Functions
- Main Localization Function
- –I18n Test Program
- Intel AppUp Encapsulator
- Conclusion









{

}

JSON Language File

```
"Internationalization Test":
         "Internationalisierungstest",
"This is an Internationalization Test!":
         "Dies ist ein Internationalisierungstest!",
"With any subtitle.":
         "Mit irgendeinem Untertitel.",
"Show in English":
         "Auf Englisch anzeigen",
"Show in German":
         "Auf Deutsch anzeigen",
"Localizing the document title ... ":
         "Lokalisiere den Dokumententitel...",
"Localizing other HTML tags...":
         "Lokalisiere andere HTML-Tags...",
"Localizing done!":
         "Lokalisierung fertig!"
```







```
<!doctype html>
<html>
<head>
         <meta charset="utf-8">
         <title>Internationalization Test</title>
         <link rel="localization" hreflang="de"
                 href="lang/de.json" type="application/vnd.oftn.l10n+json"/>
         <script type="text/javascript" src="js/i18n.js"></script>
         <script type="text/javascript" src="js/script.js"></script>
</head>
<body onload="loaded()">
         <h1 id="headertext">This is an Internationalization Test!</h1>
         <h2 id="subtitletext">With any subtitle.</h2>
         <a id="showinenglish" href="index.html?lang=en">Show in English</a>
         <a id="showingerman" href="index.html?lang=de">Show in German</a>
</body>
</html>
```







I18n JavaScript Library

Get the I18n JavaScript library here: <u>http://eligrey.com/blog/post/passive-localization-in-javascript</u>







}

Helper Functions

```
var _ = function (string) {
    return string.toLocaleString();
};
```

```
function localizeHTMLTag(tagId) {
    tag = document.getElementById(tagId);
```

```
tag.innerHTML = _(tag.innerHTML);
```







Main Localizing Function

```
function loaded() {
    var lang = getParameterValue("lang");
    if (lang != "") String.locale = lang;
    alert(_("Localizing the document title..."));
    document.title = _(document.title);
    alert(_("Localizing other HTML tags..."));
    localizeHTMLTag("headertext");
    localizeHTMLTag("subtitletext");
    localizeHTMLTag("showinenglish");
    localizeHTMLTag("showinegrman");
```

```
alert(_("Localizing done!"));
```



}





118n Test Program







- Overview

- Internationalization of a HTML5 App
- Intel AppUp Encapsulator
 - What is AppUp?
 - Why an App Store for Windows?
 - Why using Encapsulator?
 - Preparations
 - Upload Application
 - Download MSI and RPM
 - App as Windows Binary
- Conclusion









- App store for netbooks, tablets and Ultrabooks
- AppUp client pre-installed on new devices
- Customers browse app catalogue
- Purchase of apps is save and easy





HTML



Why an App Store for Windows?

- Inexperienced users don't like to search for apps in the internet
- Apps in AppUp are validated: therefore guaranteed clean and virus-free
- If they buy an app: they want a secure and easy purchase gateway
- Intel AppUp as trusted platform





HTML



Why using Encapsulator?

- Create a native Windows program from your HTML5 app
- Users can access your app just as any other Windows program with a desktop and a start menu icon
- No need to have a special browser
- Opportunity to submit your app to the Intel AppUp program









Preperations

- Create a program icon (at least 128.128 pixels)
- Compress all files (HTML, JavaScript, CSS and the program icon) into one ZIP file
- Open webpage

http://appdeveloper.intel.com

<u>/en-us/encapsulator-beta</u>

in your browser









Upload Application

pUp (TM)	encapsulato	Get Starte	d Develop SDKs and Tools Docu	mentation Opportunities	Community Supp
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HTML



Download MSI and RPM

Intel AppUp* developer program	Language: English 🔻					Q	
	Get Started	Develop	SDKs and Tools	Documentation	Opportunities	Community	Support

AppUp (TM) encapsulator beta. Transform web apps into Intel AppUp(SM) center apps

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App as Windows Binary







Overview

- Internationalization of a HTML5 App
- Intel AppUp Encapsulator
- Conclusion









Developing a localized HTML5 app is very easy by using the mentioned I18n JavaScript library.



If you have an existing HTML5 app use the Encapsulator to generate a native Windows binary.





Thank You for Your Attention! Questions?



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