SageAxcess Aegis Browser Extension

Software Requirements Specification

# History

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| --- | --- | --- |
| Date | Author | Description |
| 11/17/2015 | Jay Grieves | Initial Version |
| 12/9/2015 | Jay Grieves | Added Apiary API mock server address and clarified Data Submission |
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# Introduction

This document describes the functional and technical requirements for the SageAxcess Aegis Platform Browser Extension. The purpose of the Browser Extension is to capture full URLs and, if applicable, usernames during browser usage. By operating within the browser, the extension will have access to data which is transmitted via SSL – data which the Local Agent and Network Agent would not be able to capture.

# Main Functionality

The extension has 2 main functions – to capture data and to POST it to a local REST API.

## Data Collection

The data to be collected by the extension is:

|  |  |
| --- | --- |
| **Name** | **Description** |
| url | The full URL of the request |
| verb | The HTTP verb used (GET, POST, etc) |
| username | The value of the username or email field of a login form |

## Data Submission

The data collected by the extension will be sent via POST to a localhost address. The port to be used should default to 8111, but it needs to be configurable. Instructions on how to configure the extension will be specific to the browser it is supporting and need to be provided with the extension.

The extension should collect data for every browser request (including API calls). If there is no username in the request, then the username property will be empty.

The data submission format will be JSON with the properties matching the names in the table above.

{

“url” : “<http://www.google.com>”,

“verb” : “POST”,

“username” : “willy.wonka@gmail.com”

}

The JSON would POST to http://localhost:8111

For testing, the Apiary mock server can be used: http://private-ad516-browserlog.apiary-mock.com/

# Browser Requirements

Since each browser has a different extension format, a different extension needs to be created for each browser that is to be supported. Below is a table of versions to support, along with minimum and ideal additional OS support. The first version of the extension should support (and be tested on) the Browser/Minimum OS combination. If the extension doesn’t work with an Additional OS, it should be noted and that support will be prioritized based on client feedback.

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| --- | --- | --- | --- |
| **Browser** | **Versions** | **Minimum OS** | **Additional OS Support** |
| Chrome | 42.0.2311 and later | Windows 7 | Windows 8.1, Windows 10, OS X, Linux |
| Firefox | 33.1.1 and later | Windows 7 | Windows 8.1, Windows 10, OS X, Linux |
| Safari | 9.0.1 | OS X (Mavericks) | OS X (El Capitan) |
| Internet Explorer | 11,10,9 | Windows 7 | Windows 8.1, Windows 10 (IE 11 only) |
| Microsoft Edge | Latest | Windows 10 |  |
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