

IBM® Security Access Manager for Enterprise Single Sign-On

(Versions 8.0.1, 8.1 and 8.2)



Cook Book for Internet Explorer AccessProfile
Windows Components Profile Bundle



Edition notice

Note: This edition applies to Windows Components Profile version 1.2 for IBM Tivoli Access Manager for Enterprise Single Sign-On, versions 8.0.1 and 8.1, to IBM Security Access Manager for Enterprise Single Sign-On version 8.2, and to all subsequent releases and modifications until otherwise indicated in new editions.

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Contents

Preface.....	1
AccessProfile Features and Purpose.....	1
AccessProfile Name, Authentication Service Id, Data Template.....	1
Supported AccessProfile Customizations.....	1
Disable BHO when File Download prompt shows.....	1
Supported Single Sign-On Workflows.....	2
Logon.....	2
Caveats and Limitations.....	3
a. Unable to verify Successful Logon.....	3
b. Only Basic HTTP/HTTPS Prompt Supported.....	3
Notices.....	4

Preface

Welcome to the Cookbook for Microsoft *Internet Explorer* AccessProfile.

This cookbook provides an overview of the Internet Explorer (IE) AccessProfile. Topics covered include features, supported AccessProfile customizations, supported environments and workflows, caveats and limitations.

Note: IBM Security Access Manager for Enterprise Single Sign-On was formerly known as IBM Tivoli Access Manager for Enterprise Single Sign-On. When this document refers to IBM Security Access Manager for Enterprise Single Sign-On, the statement also includes IBM Tivoli Access Manager for Enterprise Single Sign-On, versions 8.0.1 and 8.1.

AccessProfile Features and Purpose

The Internet Explorer AccessProfile is designed for Single Sign-On into a basic web authentication prompt in Microsoft Internet Explorer.

Features of this AccessProfile are:

- Automatic capture of credentials of basic web authentication in Internet Explorer.
- Automatic sign-on to the website by using the captured credentials in Internet Explorer.
- Support for all languages listed in release notes.

The authentication service id is the domain derived from the URL. For example, for a web page with URL <http://www.ibm.com/xyz>, the authentication service id is www.ibm.com. You can use credentials you capture with the Internet Explorer (IE) AccessProfile with the Mozilla Firefox browser for single sign-on.

AccessProfile Name, Authentication Service Id, Data Template

Table 1: Profile Names, Authentication Service IDs and Data Templates

Profile Name (in AS)	Authentication Service	Data Template
sso_site_wnd_iexplore	Indirect (URL)	adt_ciuser_cspwd

Table 2: Data Template Mapping

Data Template Item	Data Template Item Description	Application Field Name
ciuser	Case insensitive username	User name
cspwd	Case sensitive password	Password

Supported AccessProfile Customizations

You can customize the behaviour of the IBM Security Access Manager for Enterprise Single Sign-On (ISAM ESSO) IE AccessProfile. Use the following customizations to help you resolve some potential single sign-on issues for affected users.

Disable BHO when File Download prompt shows

Certain third-party software can interfere with the ISAMESO Browser Helper Object (BHO). In some cases, the BHO can interrupt the file download process of Internet Explorer (APAR IZ91962). As a workaround, you can disable the BHO when the File Download prompt shows in the AccessProfile. By default, the value for the variable **DisableBHOAtDownload** is disabled. Enable it only when necessary.

To enable the BHO work-around:

1. Launch AccessStudio and load the AccessProfile.

2. Locate the “Window is activated{1c}” trigger between “state_start” and “state_deactivate_bho”.
3. Expand the only condition of this trigger and click “Open Script Editor”.
4. In the Script Editor, change the value of variable “DisableBHOAtDownload” to 1. (default value is 0)

How it works

Figure 1 describes the workaround. The approach is to disable BHO when the File Download dialog box is displayed and then restore the BHO when the user starts or cancels the download dialog box. However, this workaround can interrupt the Internet Explorer single sign-on for a short period of time. Enable it only when necessary.

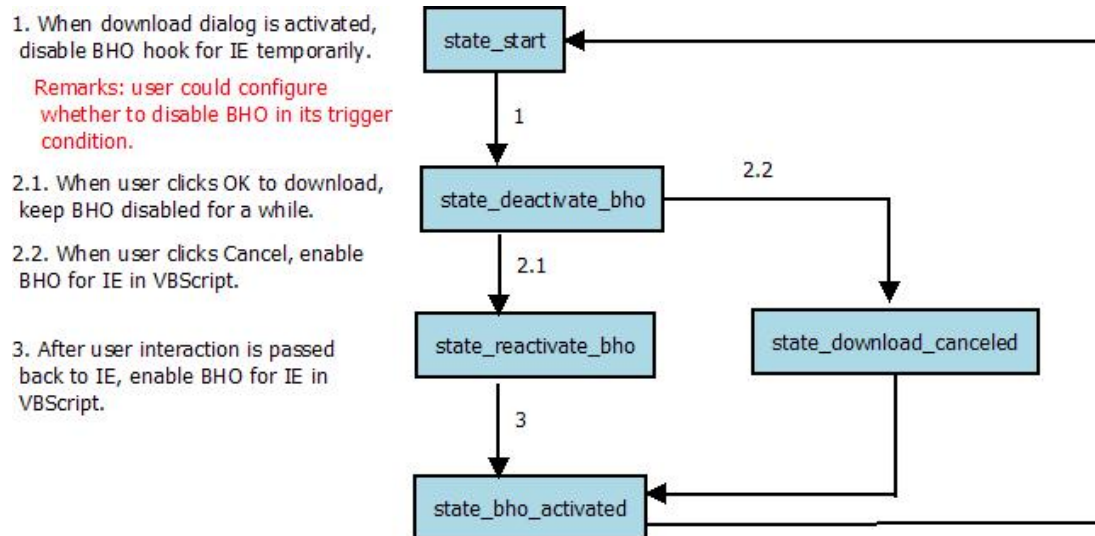


Figure 1: Flow chart of the fix for BHO

Supported Single Sign-On Workflows

Logon

User visits a website that requires entering basic web authentication credentials in an Internet Explorer authentication dialog box. Figure 2 shows the authentication dialog box in Windows XP/Vista (left) and Windows 7/2008(right).

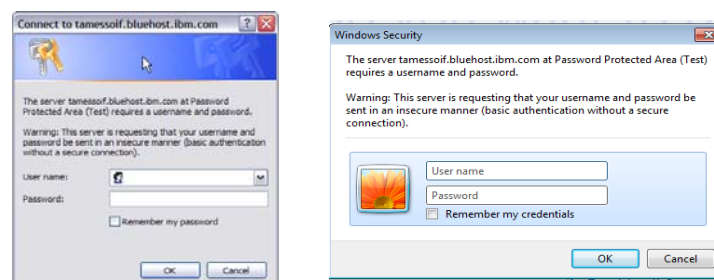


Figure 2: Windows XP/2003/Vista (Left) and Windows 7/2008 (Right) HTTP Basic Authentication Prompt

The ISAMESSO IE AccessProfile lets users use single sign-on for these basic authentication prompts in Internet Explorer. Figure 3 describes the logon automation for Internet Explorer in the AccessProfile. In the profile, one loop is designed for Windows XP/2003/Vista. Another loop is designed for Windows 7/2008.

Multiple languages are supported in the AccessProfile by using combined title names of each language into a single signature.

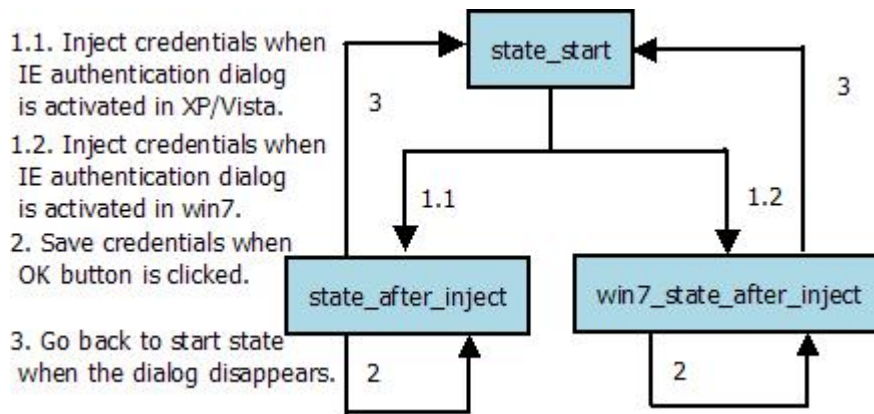


Figure 3: Flow chart of IE AccessProfile

Caveats and Limitations

a. Unable to verify Successful Logon

As a limitation, the Internet Explorer AccessProfile cannot detect successful logon of the basic authentication prompt. ISAMESSO will not verify successful logon before prompting to save the credentials. Instead, ISAMESSO prompts the user to save credentials every time the user submits the entered credentials. The user must determine whether to save the credentials.

b. Only Basic HTTP/HTTPS Prompt Supported

If the web page uses NTLM authentication, the logon prompt may look similar to Figure 2. However, web pages that use NTLM authentication is not supported.

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