

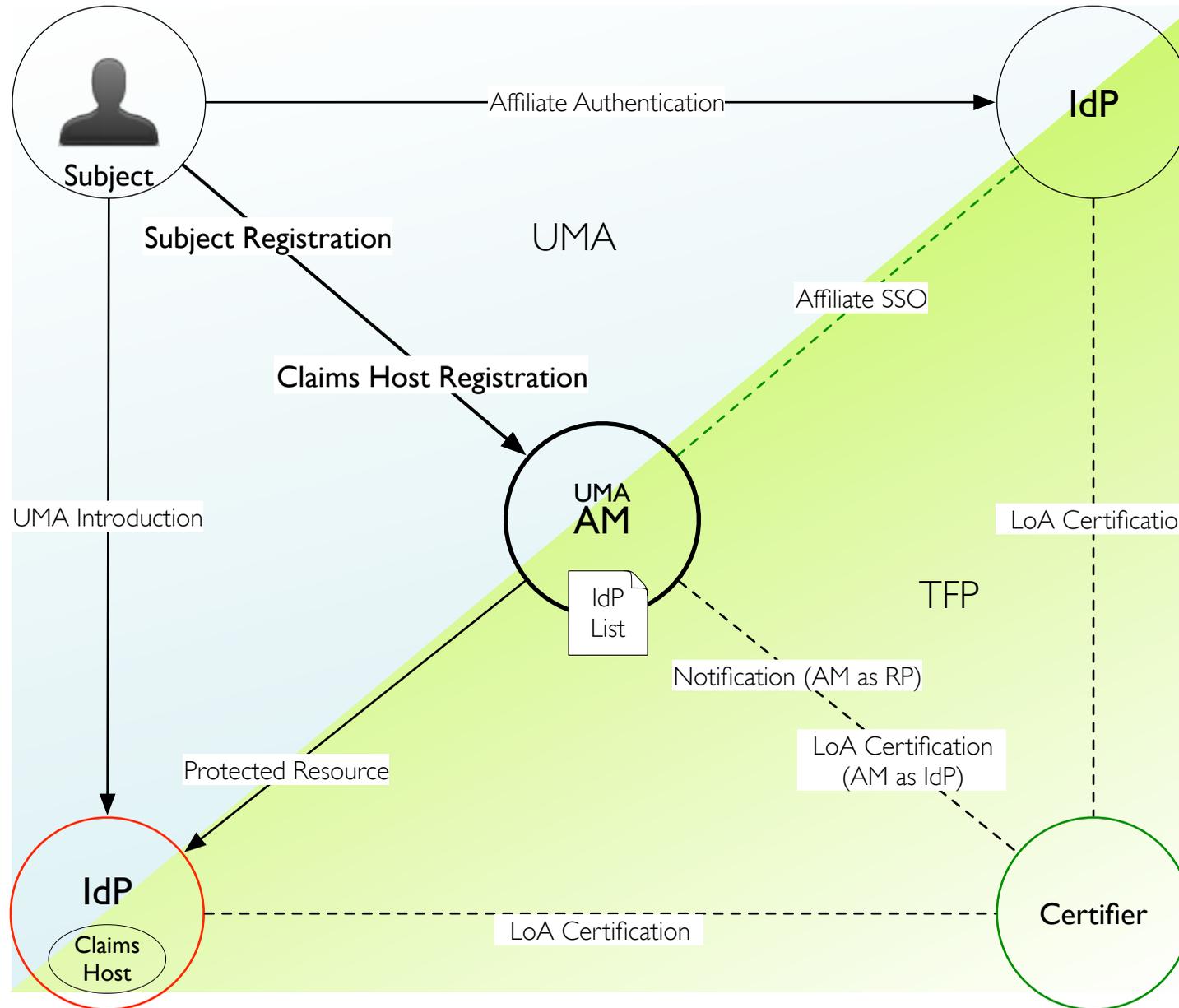
# UMA Trusted Claims

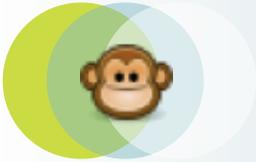


Kantara UMA WG



# Bootstrapping Trust





CopMonkey protects your data  
an UMA sample AM

## UMA Subject Registration

If you would like to register a new account, select the preferred registration mechanism from list below and follow the instructions provided.



Self-Service Registration (**untrusted**)

Trusted Registration (CopMonkey IdP - LOA:2)

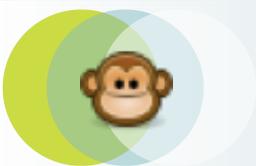
Affiliate Registration



Go to this address

URL Shortener Cuil Apple (79) Identity Manager Amazon eBay Yahoo! Notizie (393) Safari eBooks Babel Fish

Top Sites



CopMonkey protects your data  
an UMA sample AM

- Home
- User Profile
- Protected Resource
- Trusted Claims Host
- Manage Claims

**Hello Alice,**  
login information, user settings

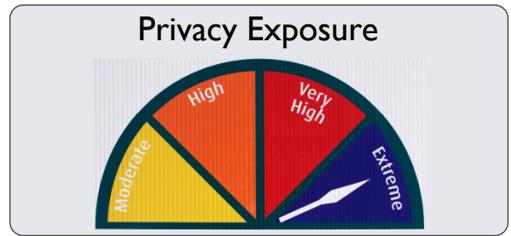
**Trusted Claims Providers** [Add Provider](#)

---

 **Google.com** Nov 17th, 2010  
Internet Identity Attributes  
Affiliate Registration;LOA-I [Options](#)

 Trusted Claims Providers Feed

- [Certified a new IDP](#)
- [Create a Claims Host](#)
- [Trusted Framework Provider](#)
- [Attributes Service at Telco](#)



**Your information around the World**

Click to enlarge view

Pre-registered Claims Host  
through Affiliate Registration

Add a Trusted Claims Host

Go to this address

URL Shortener Cuil Apple (79) Identity Manager Amazon eBay Yahoo! Notizie (393) Safari eBooks Babel Fish

Top Sites

# AM2|Authorization Manager

- Home
- User Profile
- Protected Resource
- Trusted Claims Host
- Manage Claims

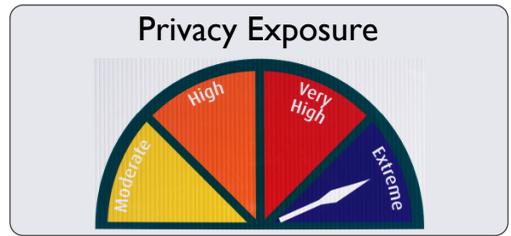
 **Hello Bob,**  
login information, user settings

**Trusted Claims Providers** [Add Provider](#)

	<b>Google.com</b> Internet Identity Attributes LOA-1	May 4th, 2010	<a href="#">Options</a> ▼
	<b>MyCompany.Com</b> Professional Identity Attributes LOA-2	May 4th, 2010	<a href="#">Options</a> ▼

 Trusted Claims Providers Feed

- [Certified a new IDP](#)
- [Create a Claims Host](#)
- [Trusted Framework Provider](#)
- [Attributes Service at Telco](#)



**Your information around the World**



Click to enlarge view

Managing Trusted Claims  
Add a new Claims Host

# AM2|Authorization Manager

Home User Profile Protected Resource **Trusted Claims Host** Manage Claims

 **Hello Bob,**  
login information, user settings

-  Trusted Claims Providers Feed
- [Certified a new IDP](#)
  - [Create a Claims Host](#)
  - [Trusted Framework Provider](#)
  - [Contribute at Telco](#)

Trusted Claims Providers + Add Provider

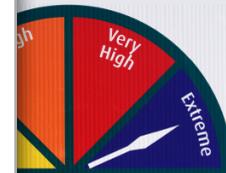
## Trusted Claims Providers

Select your Trusted Claims Provider from the following list:

- | Claims Host           |
|-----------------------|
| Global Trust Bank     |
| eGov ID Service       |
| Mobile ID             |
| eCommerce ID Provider |
| Telecom Foo ID        |

**Done** or Cancel

## Risk Exposure



## Global Presence around the World



Click to enlarge view

[Contact](#) | [Jobs](#) | [Site Map](#)

Managing Trusted Claims  
Select a preferred Claims Host

The screenshot shows a web browser window with the following elements:

- Browser Title Bar:** "Top Sites"
- Address Bar:** "Go to this address" with a search icon.
- Top Sites:** A list of bookmarks including "URL Shortener", "Cuil", "Apple (79)", "Identity Manager", "Amazon", "eBay", "Yahoo!", "Notizie (393)", "Safari eBooks", and "Babel Fish".
- Page Content:**
  - Header: "AM2|Authorization Manager" with a user profile icon.
  - Section: "Trusted C" (partially visible).
  - Global Trust Bank logo and name.
  - Dialog Box: "User Certificate Authentication" with the text "Insert the PIN to unlock access to digital certificate credential". It contains a "PIN" label, a text input field with "\*\*\*\*\*", and "Submit" and "or Cancel" buttons.
- Browser Window:** "Moved to http://idp.globalbank.com/" with a search bar containing "Google".
- Browser Bookmarks:** "Oracle", "Zimbra", "People", "Apple", "Yahoo!", "YouTube", "Wikipedia", "News (328)", "Popular", and "TechCrunch".
- Status Bar:** "Canceled opening the page"
- Footer:** "© copyright 2009 CMInc. All rights reserved." and navigation links for "Contact", "Jobs", and "Site Map".

Managing Trusted Claims  
 Register the Claims Host

# AM2|Authorization Manager

Home User Profile Protected Resource Trusted Claims Host Manage Claims

 **Hello Bob,**  
login information, user settings

## Trusted Claims Providers

[Add Provider](#)

- 
**Google.com**  
 Internet Identity Attributes  
 LOA-1  
 Oct 4th, 2010  
[Options](#)
- 
**MyCompany.Com**  
 Professional Identity Attributes  
 LOA-2  
 Oct 5th, 2010  
[Options](#)
- 
**Global Trust Bank**  
 Account Identity Attributes  
 LOA-3  
 Oct 8th, 2010  
[Options](#)

## Trusted Claims Providers Feed

- [Certified a new IDP](#)
- [Create a Claims Host](#)
- [Trusted Framework Provider](#)
- [Identity Attribute at Telco](#)

## Privacy Exposure



## Your information around the World



Click to enlarge view

[Contact](#) | [Jobs](#) | [Site Map](#)

# Managing Trusted Claims

Go to this address

URL Shortener Cuil Apple (79) Identity Manager Amazon eBay Yahoo! Notizie (393) Safari eBooks Babel Fish

Top Sites

# AM2|Authorization Manager

- Home
- User Profile
- Protected Resource
- Trusted Claims Host
- Manage Claims

 **Hello Bob,**  
login information, user settings

### Claims Providers

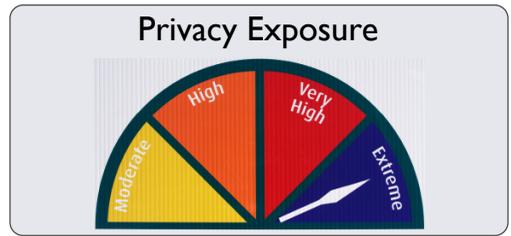
	<b>Google.com</b> Internet Identity Attributes LOA-I	Oct, 4th, 2010
---	--	----------------

Basic Attributes (6) [Edit](#)

Profile Attributes (empty) [Edit](#)

 Trusted Claims Providers Feed

- [Certified a new IDP](#)
- [Create a Claims Host](#)
- [Trusted Framework Provider](#)
- [Identity Attribute at Telco](#)



### Your information around the World



Click to enlarge view

## Managing Trusted Claims View attributes

Go to this address

URL Shortener Cuil Apple (79) Identity Manager Amazon eBay Yahoo! Notizie (393) Safari eBooks Babel Fish

Top Sites

# AM2|Authorization Manager

- Home
- User Profile
- Protected Resource
- Trusted Claims Host
- Manage Claims

 **Hello Bob,**  
login information, user settings

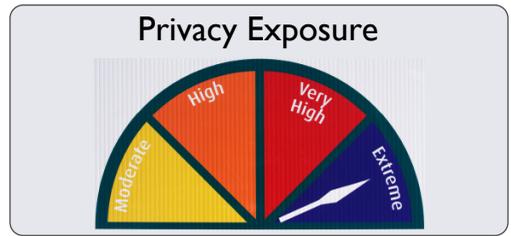
### Claims Providers



**Google.com** Oct, 4th, 2010  
Internet Identity Attributes  
LOA-I

 Trusted Claims Providers Feed

- [Certified a new IDP](#)
- [Create a Claims Host](#)
- [Trusted Framework Provider](#)
- [Identity Attribute at Telco](#)



### Your information around the World



Click to enlarge view

### Basic Attributes (6) [Edit](#)

Attribute	Type	Consent	Notify	Audit
Fullname	Public	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gender	Public	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
DataOfBirth	Public	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Email	Public	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Language	Public	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Timezone	Public	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### Profile Attributes (empty) [Edit](#)

## Managing Trusted Claims Attributes settings

# Managing Trusted Claims

Go to this address

URL Shortener Cuil Apple (79) Identity Manager Amazon eBay Yahoo! Notizie (393) Safari eBooks Babel Fish

Top Sites

# AM2|Authorization Manager

- Home
- User Profile
- Protected Resource
- Trusted Claims Host
- Manage Claims

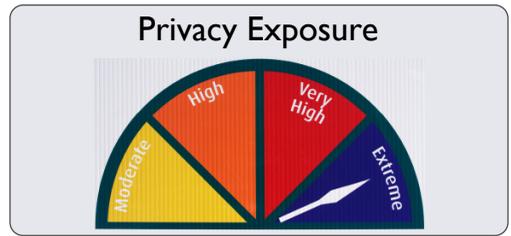
 **Hello Bob,**  
login information, user settings

**Claims** [+ Add Claims](#)

 Proof of Age  
 Nov 18th, 2010

 **Managing Trusted Claims**

- [View available Claims](#)
- [Create a new Claims](#)
- [Update Claims](#)



**Your information around the World**



Click to enlarge view

Managing Trusted Claims  
Add a new Claims

Go to this address

URL Shortener Cuil Apple (79) Identity Manager Amazon eBay Yahoo! Notizie (393) Safari eBooks Babel Fish

Top Sites



# AM2|Authorization Manager

- Home
- User Profile
- Protected Resource
- Trusted Claims Host
- Manage Claims

**Hello Bob,**  
login information, user settings

**Managing Trusted Claims**

[View available Claims](#)

[Create a new Claims](#)

[Update Claims](#)

Claims + Add Claims

**Create New Trusted Claims**

Claims Name

Assign Resources sharing policy to Basket

Claims Host Provider	Attribute		in the Claims
Google.Com	FullName	>>	Google.Com>Email
MyEmployer.COM	Gender		
Global Trust Bank	Email	<	
eCommerce			

**Done** or Cancel



## Managing Trusted Claims Personalize Trusted Claims

Go to this address

URL Shortener Cuil Apple (79) Identity Manager Amazon eBay Yahoo! Notizie (393) Safari eBooks Babel Fish

Top Sites

# AM2|Authorization Manager

- Home
- User Profile
- Protected Resource
- Trusted Claims Host
- Manage Claims

 **Hello Bob,**  
login information, user settings

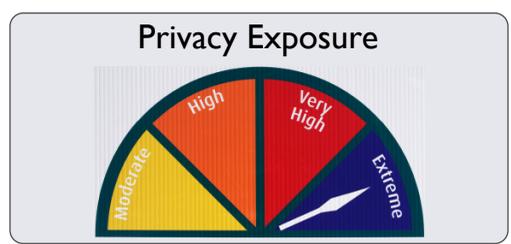
**Claims** [Add Claims](#)

 Proof of Age  
✓ Nov 18th, 2010

 Proof Email Account  
✓ Nov 18th, 2010

 **Managing Trusted Claims**

- [View available Claims](#)
- [Create a new Claims](#)
- [Update Claims](#)



**Your information around the World**

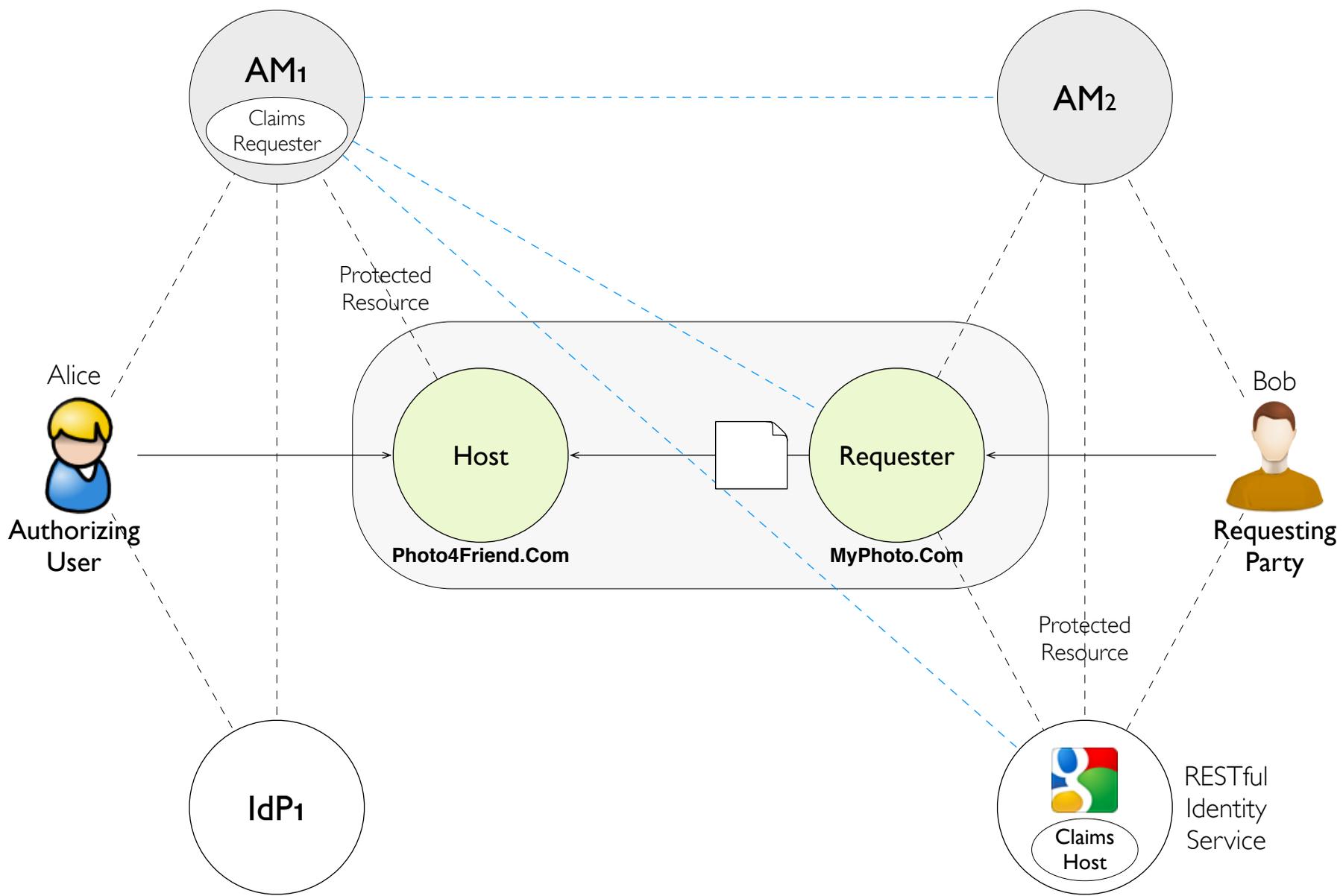


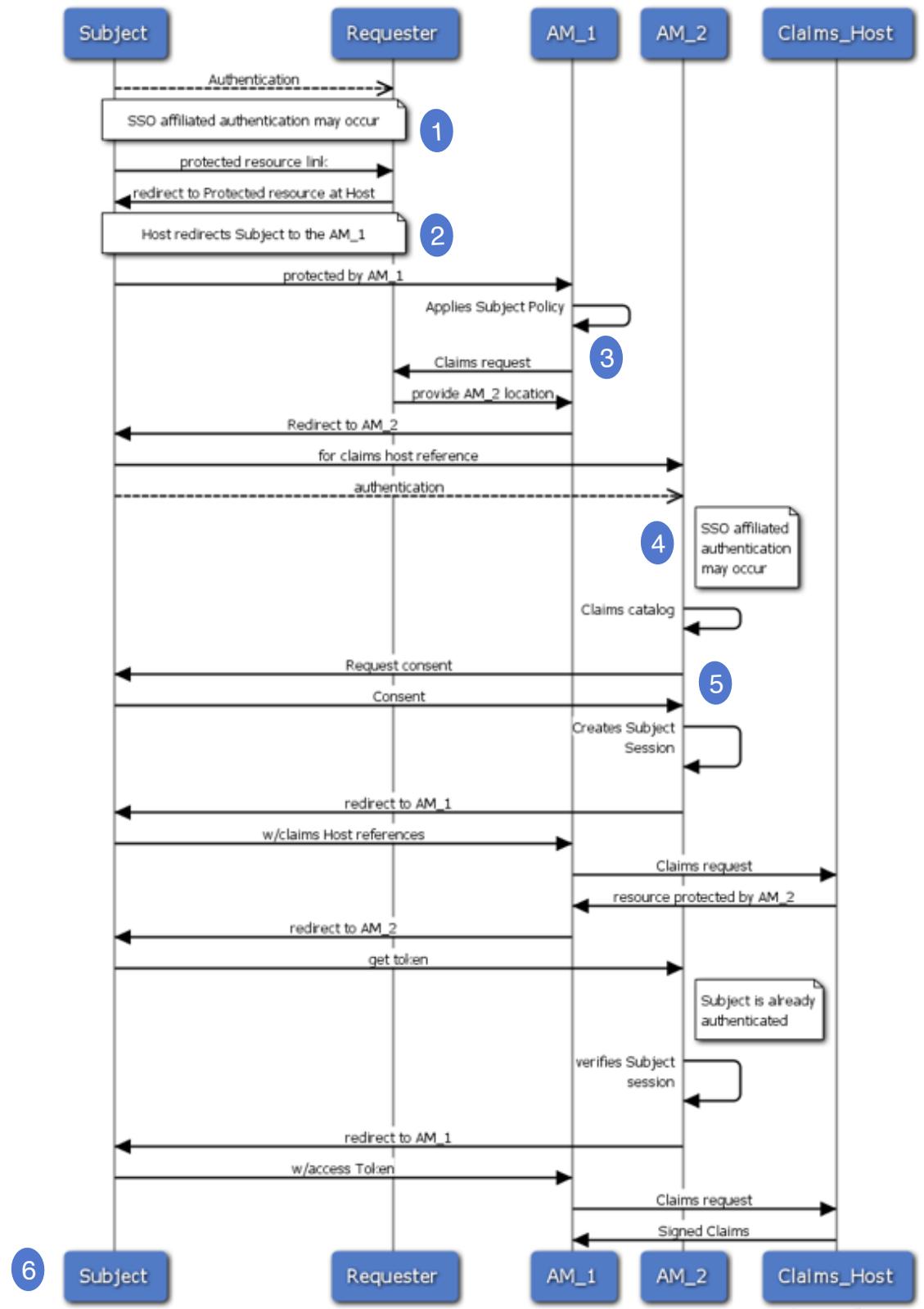
Click to enlarge view

Managing Trusted Claims  
View Trusted Claims available

Bob attempts to access to  
the Protected Resource

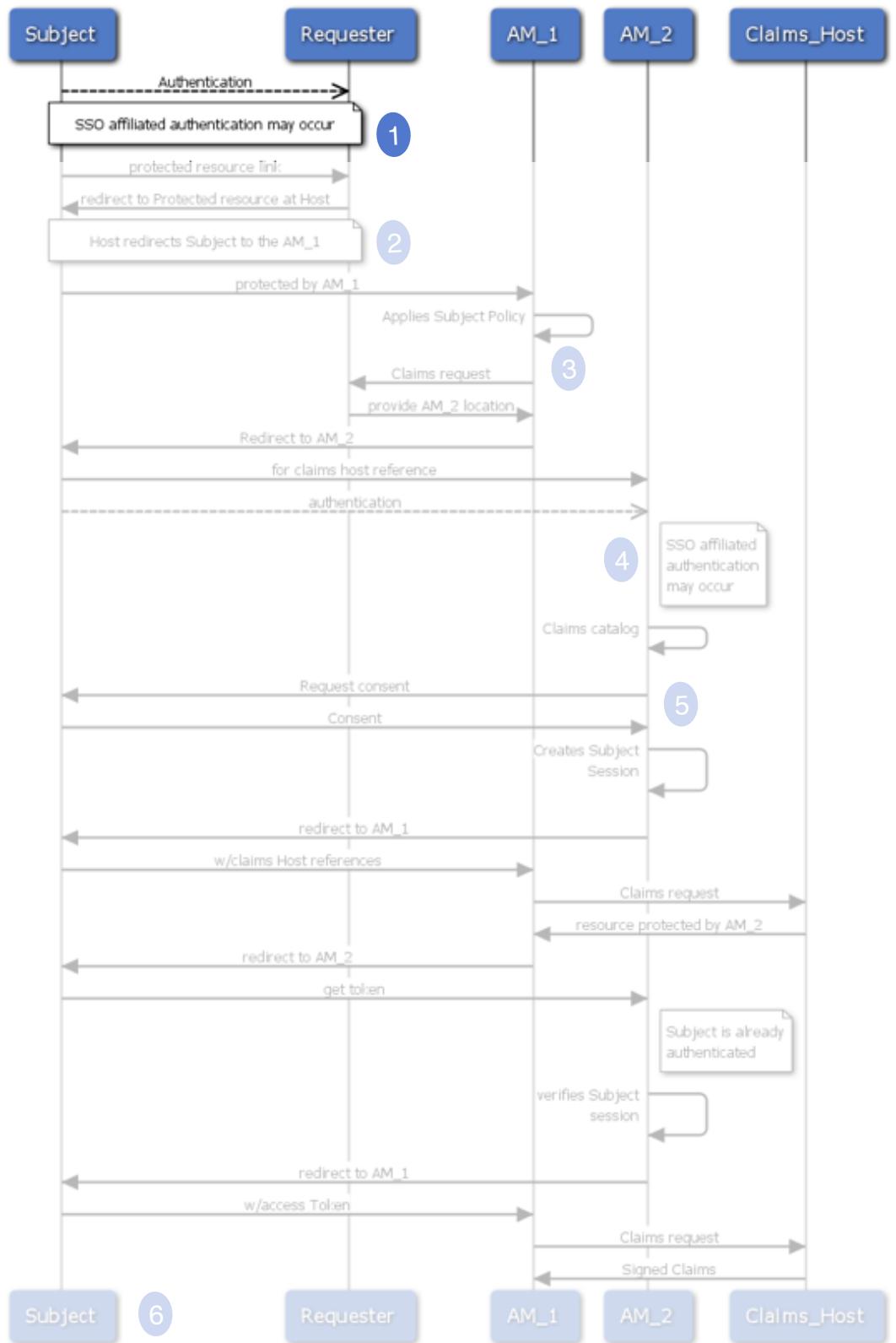
# Scenario Approach





# UMA Trusted Claims Sequence Diagram

Source diagram at <http://is.gd/g0gJH>



# STEP. I Subject Authentication

Top Sites

Go to this address

URL Shortener Cuil Apple (79) Identity Manager Amazon eBay Yahoo! Notizie (393) Safari eBooks Babel Fish

Top Sites



# MyPhoto.Com

Shared Photo

User Authentication

UserID

Password

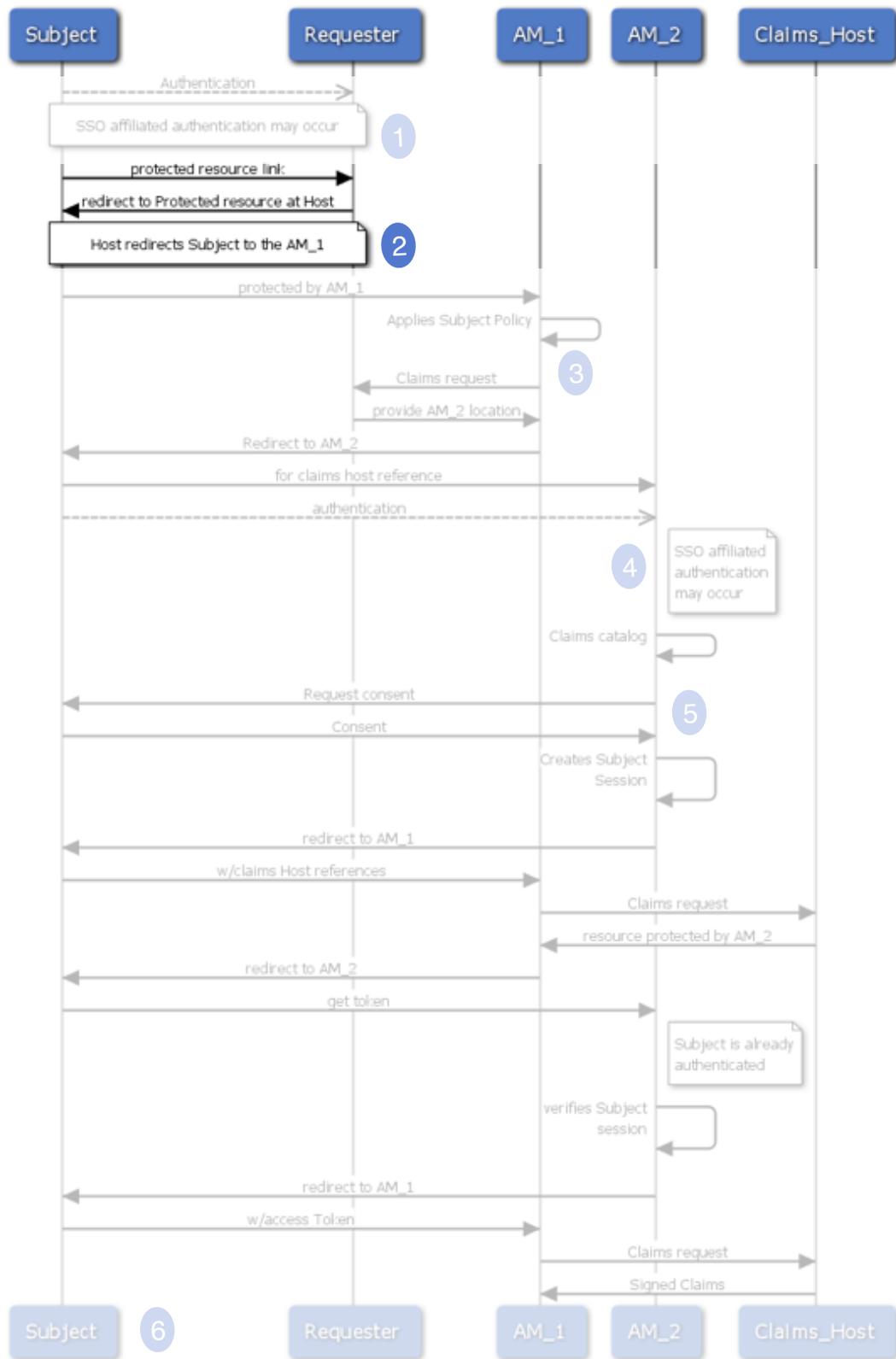
or

Affiliated Authentications

- OpenID®
- 

## STEP. I

### Authentication



**STEP 2.**  
**Provisioning Protected Resource Link**

Top Sites

Go to this address

URL Shortener Cuil Apple (79) Identity Manager Amazon eBay Yahoo! Notizie (393) Safari eBooks Babel Fish

MyPhoto.Com  
Shared Photo

Home Gallery Shared Tag Print

Hello Bob,  
login information, user settings

Shared Photos [+ New Gallery](#)

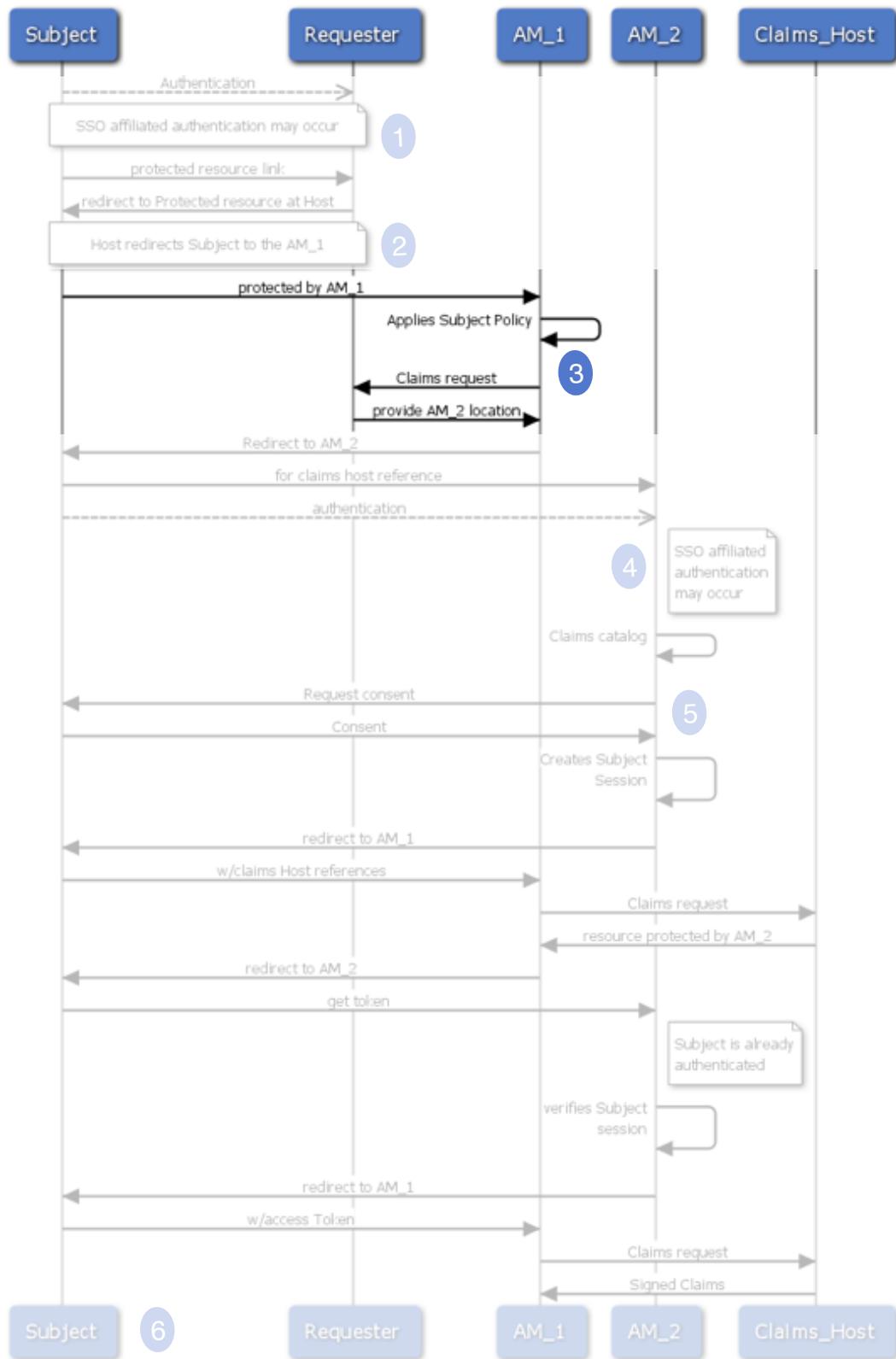
Insert the link to get access to the shared photos

URL

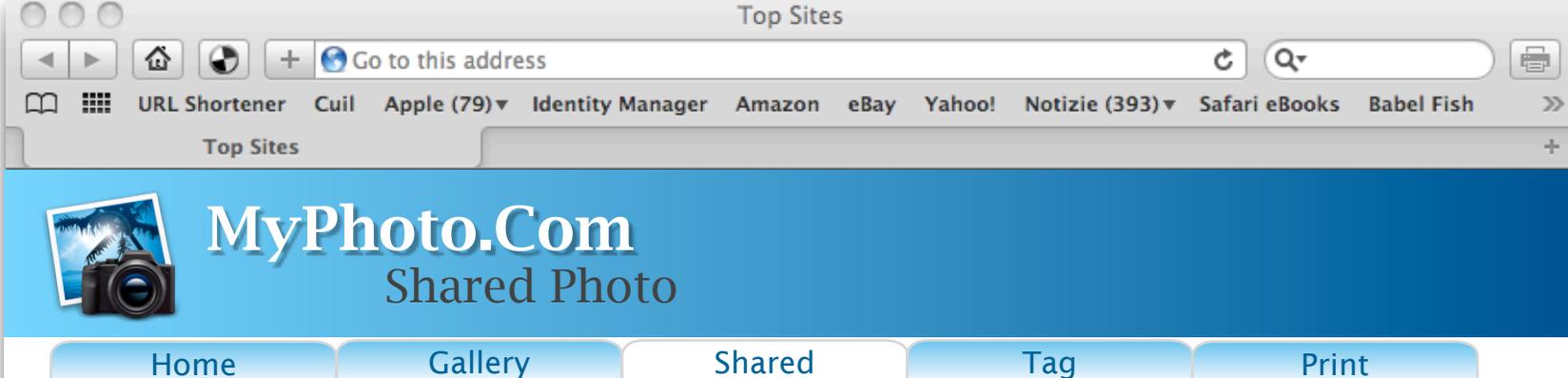
or

© copyright 2009 CMLinc. All rights reserved.

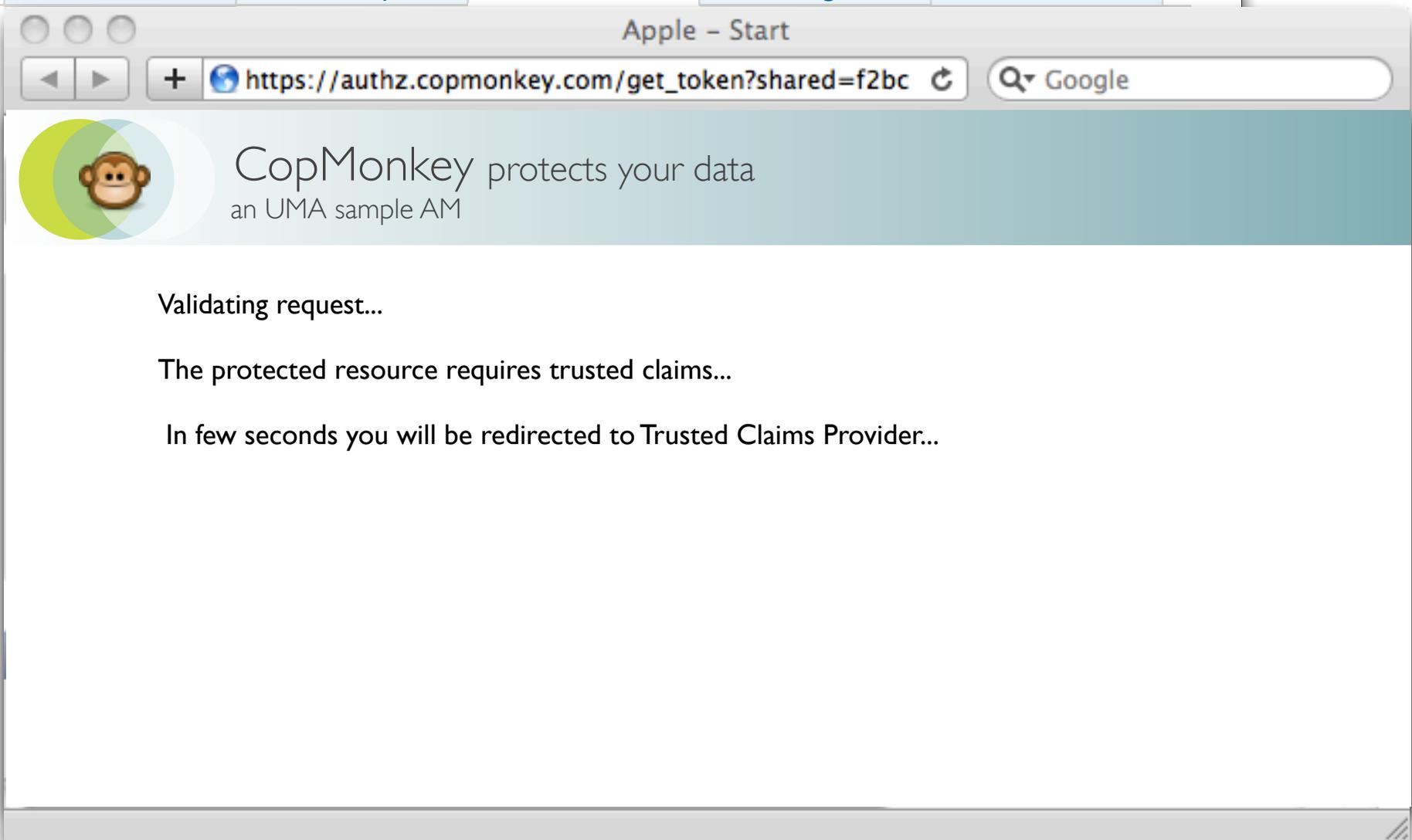
## STEP 2. Provisioning Protected Resource Link

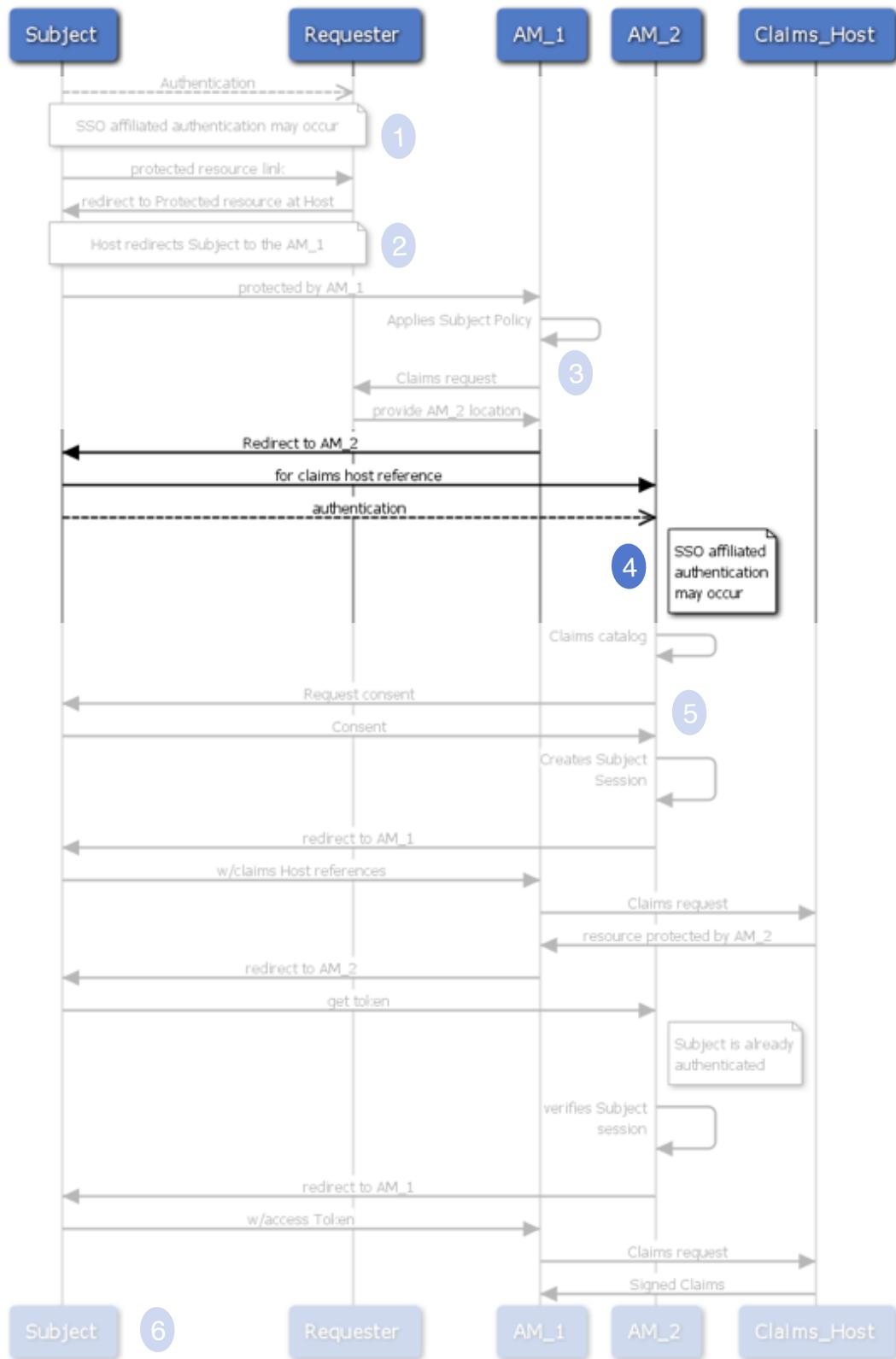


STEP 3.  
AMI applies policy

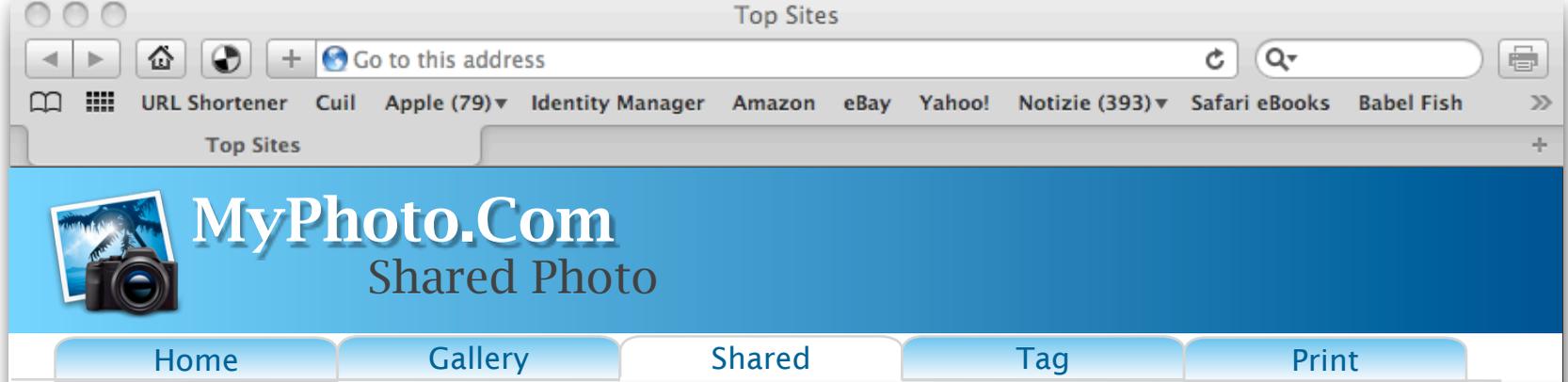


STEP 3.  
AMI applies policy

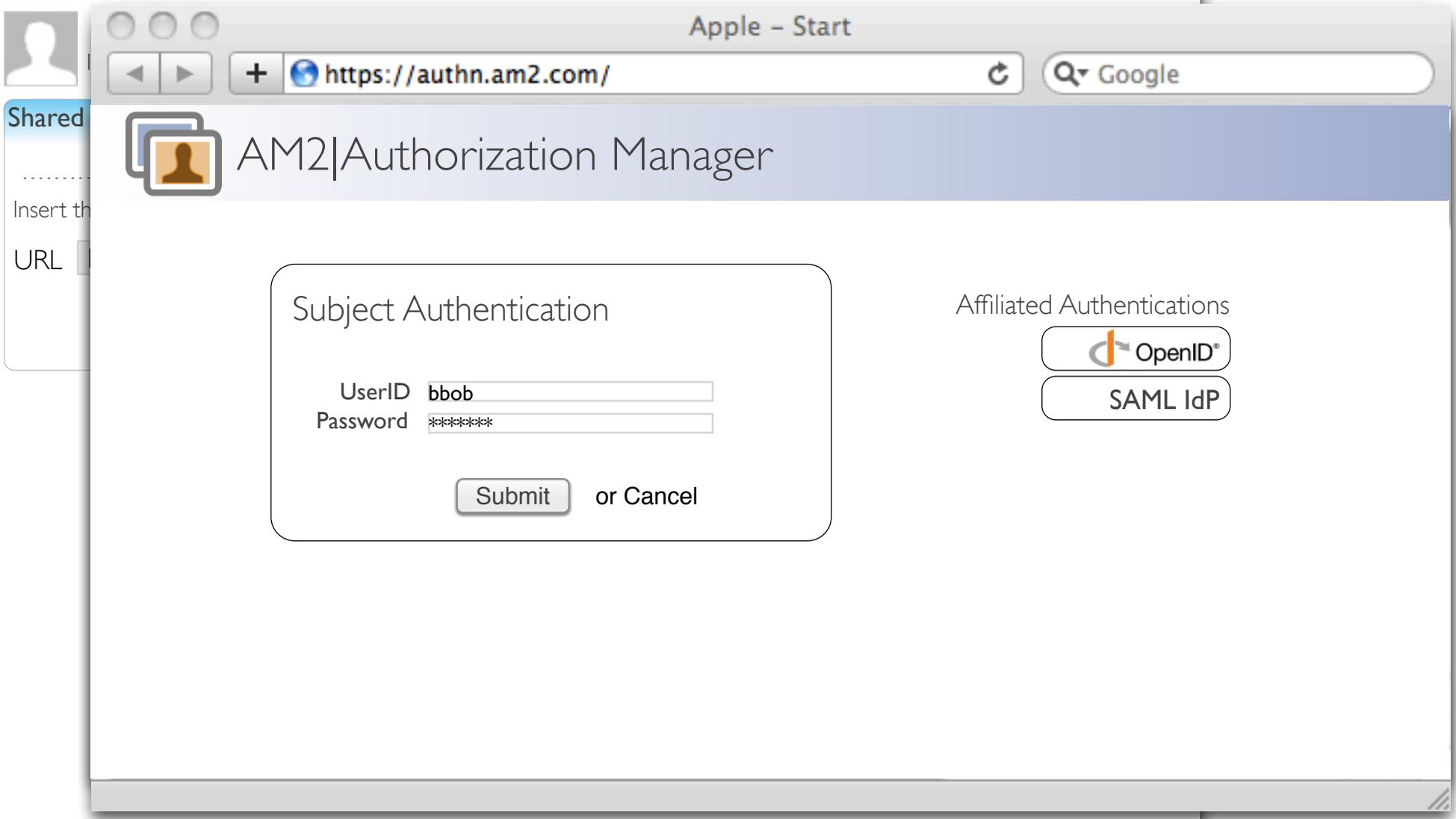


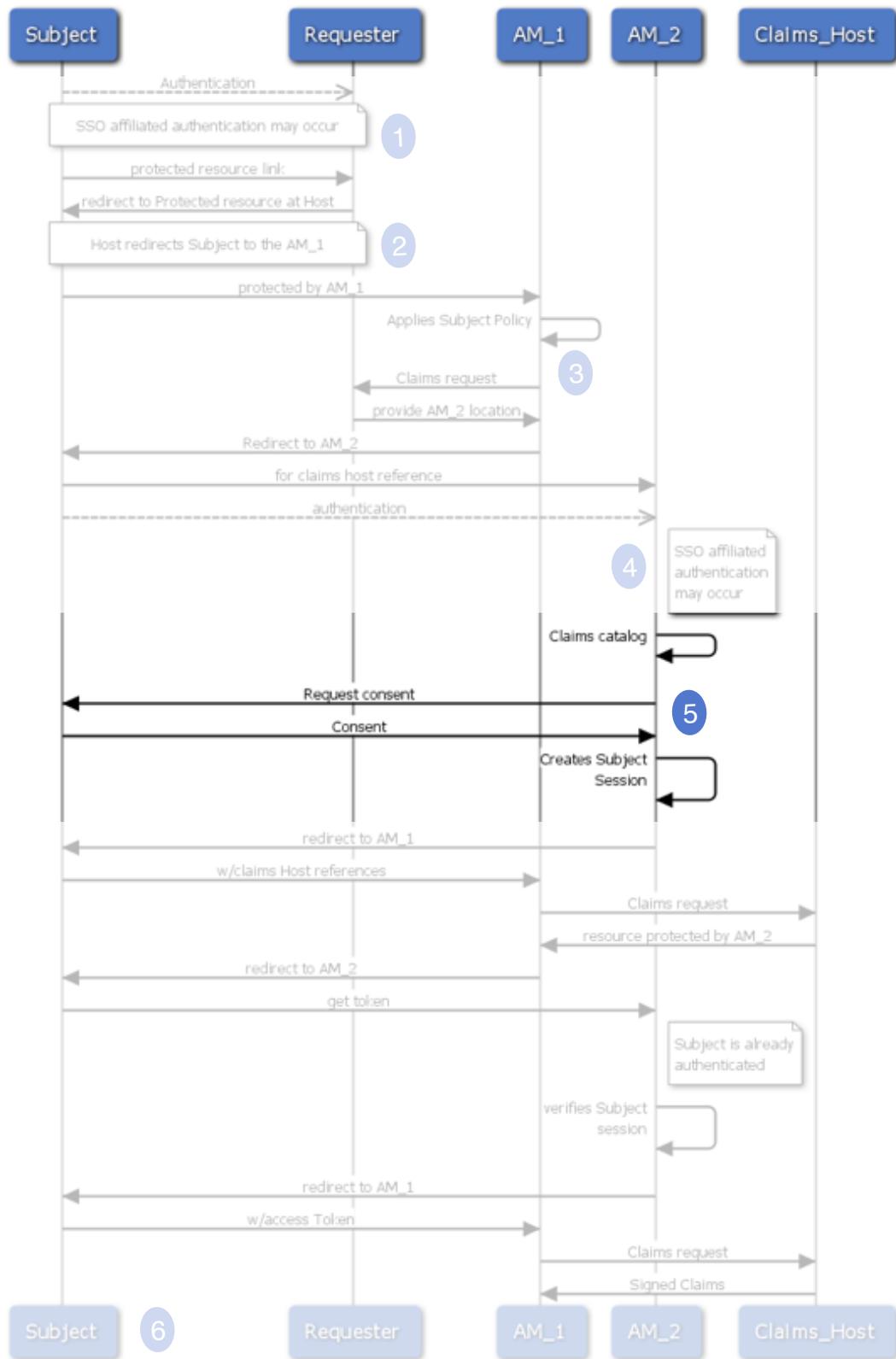


STEP 4.  
AM2 - Subject Authentication



STEP 4.  
AM2 - Subject Authentication





# STEP 5. Subject Consent

Top Sites

Go to this address

URL Shortener Cuil Apple (79) Identity Manager Amazon eBay Yahoo! Notizie (393) Safari eBooks Babel Fish

# MyPhoto.Com

Shared Photo

Home Gallery Shared Tag Print

## STEP 5. Subject Consent

Apple - Start

https://authz.am2.com/get\_token? Google

### AM2|Authorization Manager [bob.black](#)

 CopMonkey.Com, on behalf of Photo4Friend's Authorizing User, is trying to get the following claims:

 Proof Email Account  
Nov 18th, 2010

Top Sites

Go to this address

URL Shortener Cuil Apple (79) Identity Manager Amazon eBay Yahoo! Notizie (393) Safari eBooks Babel Fish

Top Sites



# MyPhoto.Com

## Shared Photo

- Home
- Gallery
- Shared
- Tag
- Print

 **Hello Bob,**  
login information, user settings

Shared Photos [+ New Gallery](#)



**STEP. 6**  
Bob gets access to the resource