

Review of Azure sign-up process

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# **Table of Contents**

Intent of Document	3
Azure sign-up process	4
Amazon Web Services sign-up process	5
Findings	6
Assumptions	7
Recommendations	8
Recommendations (continued)	9
Recommended Process	10
Step 1 – Home & Free Trial overview page	11
Step 2 – Microsoft Account Sign in page	12
Step 3 – Create Account modal	13
Step 4 – Verify Account modal (send text message state)	14
Step 4 – Verify Account modal (verification state)	15
Step 4 – Verify Account modal (verified state)	16
Step 5 – Billing & Account Information modal	17
Step 6 – Thank you modal	18
Step 7 – Welcome Account Page	19
Appendix	20



## **Intent of Document**

Review of Azure and Amazon Web Services existing sign-up process for high level comparison.

Razorfish to compile and make recommendations for implementation.

## Azure sign-up process – user takes nine steps from the home page to account activation.



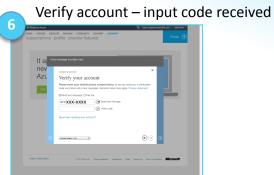


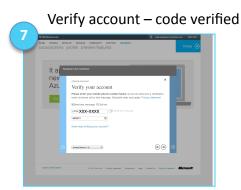




Microsoft account Sign in













## Amazon Web Services sign-up process – user takes nine steps from the home page to account activation.



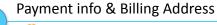






Contact Info & Security Check







Verify ID by Telephone - input #



Verify PIN by Telephone - speak PIN #



**Verify Complete** 



**Activating Account** 





# **Findings**

### **Azure**

### Nine steps to account activation

- 1. Home page
- 2. Free Trial overview page
- 3. Microsoft account sign in
- 4. Create Account
- 5. Verify Account input Mobile #
- 6. Verify Account input code received
- 7. Verify Account code verified
- 8. Billing & Account information
- 9. Welcome/Account Page

### **Amazon Web Services**

### Nine steps to account activation

- 1. Entry page
- 2. Sign in or Create Account
- 3. Login Credentials
- 4. Contact Info & Security Check
- 5. Payment info & Billing Address
- 6. Verify ID by Telephone input #
- 7. Verify PIN by Telephone speak PIN #
- 8. Verify by Telephone Complete
- 9. Activating Account

#### Notes:

Step 3 Sign in has changed from Windows Live ID to Microsoft account.

The sign up process for Azure and AWS are essentially the same.

Azure uses a vertical accordion while AWS uses a horizontal accordion during the verification.

Security verification is similar with exception AWS requires you to verbally speak the code received.



# **Assumptions**

## **Azure sign-up process**

Microsoft account sign in page (step 3 from page 4) is a stand alone page and can't be rolled into a widget on a page.

Verifying your account (steps 5,6 & 7 from page 4) via phone/text code for security and fraud prevention.

Billing and Account information (step 8 from page 4) via credit card to verify.



# Recommendations

Overall we recognize the challenges of the current sign in process and we recommend shortening the experience, providing elements of personalization and a greater sense of orientation throughout the sign in/up process.

Current	Rationale	Change	Benefits
Home page	Azure Home does not explain enough, appears light on information.	Combine the <b>Home</b> content with <b>Free Trial Overview</b> .	Steps are reduced and surfaces more relevant content needed to start the 90-day Free Trial.
Free Trial overview page	The Free Trial overview provides information for a 90-Day Free Trial, what it contains and what you can do.		
Microsoft account sign in page	No personalization for the user.	Would like to display the user's name and surface targeted ads.	Friendlier sign in and cross selling opportunities.
Create Account modal	The modal vertical accordion does not explain each step,	Applying a horizontal accordion in a larger modal window.	Everything on one stage, labeled and in view.
Verify Account modal - input Mobile #	expectations are hidden and not labeled.	Combined Create, Verify Account interactions and Billing/Account	Increased room for combined content and suggests easier
Verify Account modal - input code received	Not easy to navigate.	in one.	interaction.
Verify Account modal - code verified	The modal window size can be increased to accommodate the combined content and layout.		The user can view what the next interaction will be and can prepare to input the required information.



# Recommendations (continued)

Current	Rationale	Change	Benefits
Billing & Account information modal	Same as above.	Same as above.	Same as above.
Welcome/Account Page	Generic welcome message.  Does not provide a thank you confirmation after submitting billing and account information.	Added a Thank you message for billing and account submission, user's name, no charge reminder & reiterating the 90-day Free Trial.	More personalization, confirmation that the account is activated and an opportunity for targeted messaging.
		Revised Portal CTA to Start Portal.  Added Explore now CTA button.	Adding the terminology "Start" to the Portal CTA button and Explore now CTA button helps guide the user to the portal.



## **Recommended Process**

## **New Azure six step sign-up process**

Home & Free Trial
Overview page

Initial entry offering Free Trial and what the features.

Microsoft account sign in page

Mandatory sign in page via Microsoft account or Sign up now.

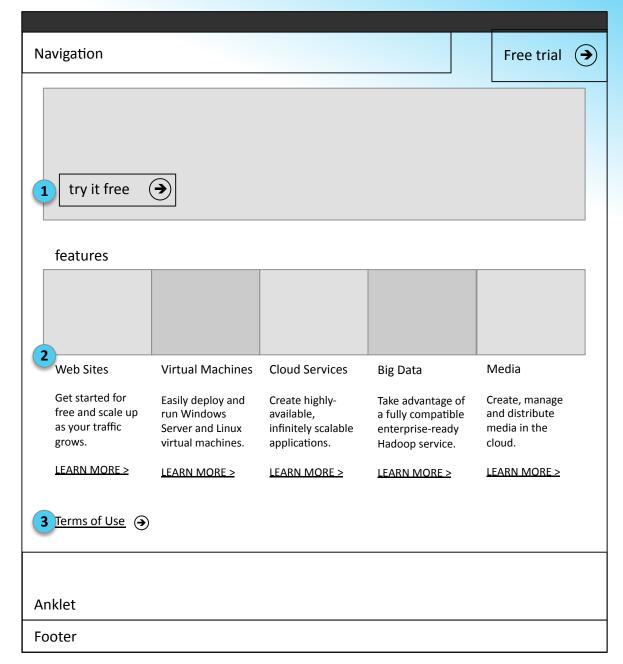
Create Account (accept Azure Terms of Use) modal

- 4 Verify Account modal
  - input Mobile #
  - input code received
  - code verified
- 5 Billing & Account information modal

Horizontal accordion combining Create, Verify Account and Billing & Account in three folds. Welcome/ Account Page

Welcome message thanking the user for providing their credit card/billing info & they can start exploring their account.





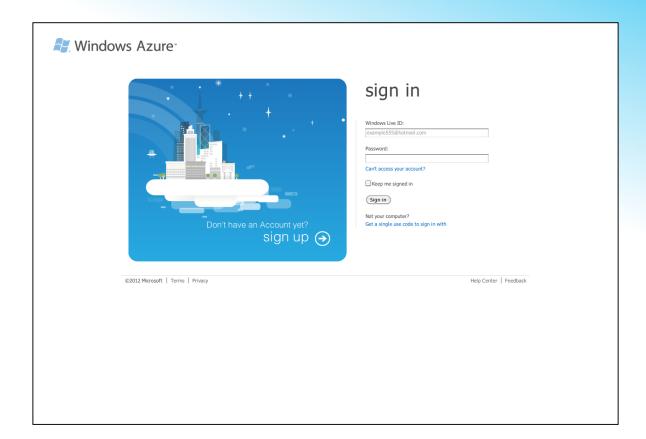
# Step 1 - Home & Free Trial overview page

#### Notes:

The initial entry page has content combined from the Home and Free Trial pages.

- The user lands on the home page and is presented with information for a 90-day free trial.
- The Value Propositions
  (Features content) are surfaced
  here allowing the user
  opportunities to read a brief
  description and allowed to learn
  more by following the links.
- Terms of use is linked and more content expands or collapses when the user clicks (will need legal & compliance review).

Another option is migrating to pg 13 and listing with the Terms of Use check box #3.

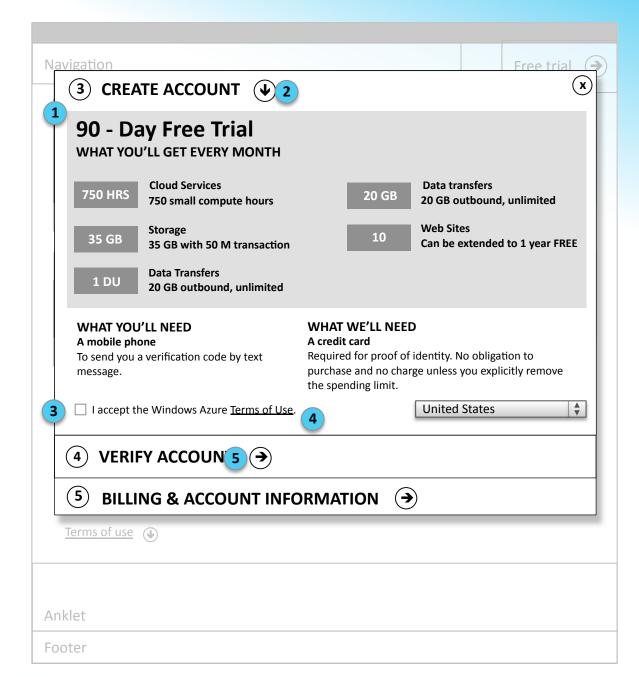


# **Step 2 - Microsoft Account Sign in page**

#### Notes:

We would recommend personalizing this page by displaying the user's name and be able to surface targeted ads.

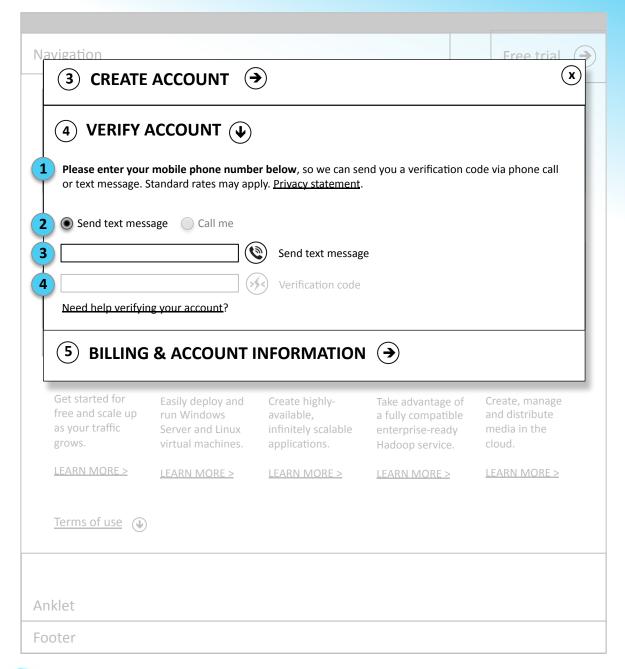
Possibly show what step the user is at in the process.



### Step 3 – Create Account modal

#### Notes:

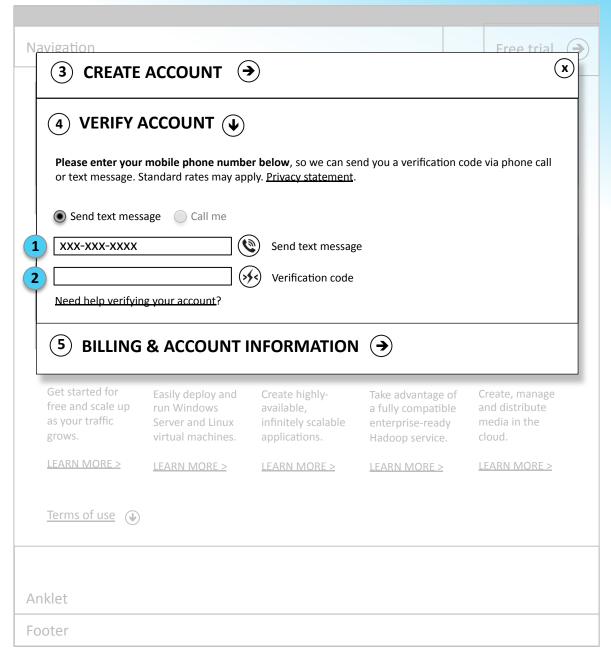
- Step 3 Create Account is viewable in an expanded state within the accordion.
- There are three interaction steps, all having expand and collapse states when clicking the CTA button.
- User cannot continue to Step 4 until the user accepts the Terms of Use by checking the box.
- Alternative view showing the entire Terms of Use here.
- User selects Verify Account and the accordion area for Create Account collapses and Verify Account expands for the next step.



# Step 4 – Verify Account modal states

#### Notes:

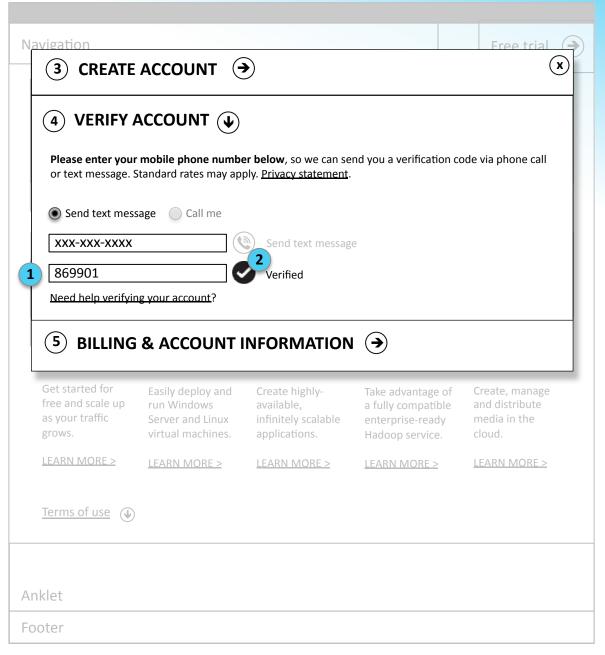
- The user has opened Step 4
  Verify Account and is tasked by
  submitting their mobile number.
- Defaults to Send text message.
  Call me is disabled. The user can submit to receive a text containing the verification code.
  If the user can selected Call me to receive an automated message containing the verification code. Send text message would be disabled.
- User submits mobile number.
- Verification field, icon and label are disabled until the user submits their mobile number.



# Step 4 – Verify Account modal states

#### Notes:

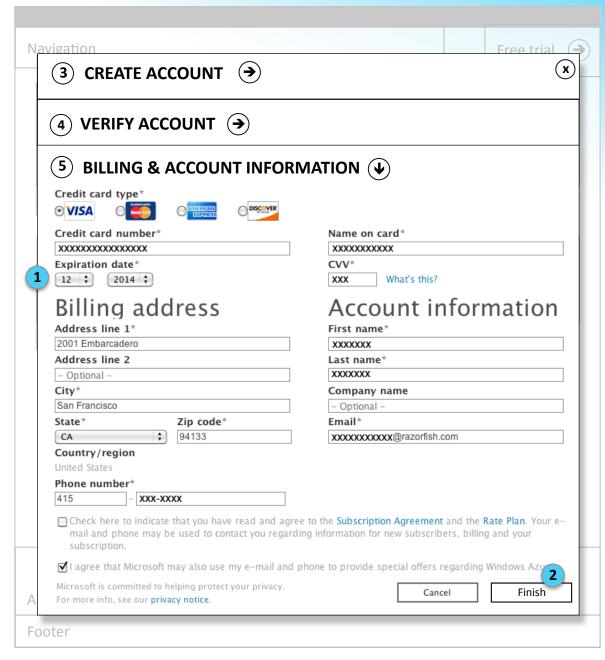
- User has submitted their mobile number.
- Verification field, icon and label are active. Once the user receives a text or phone call with a code and is tasked to input the code for verification.



# **Step 4 – Verify Account modal states**

#### Notes:

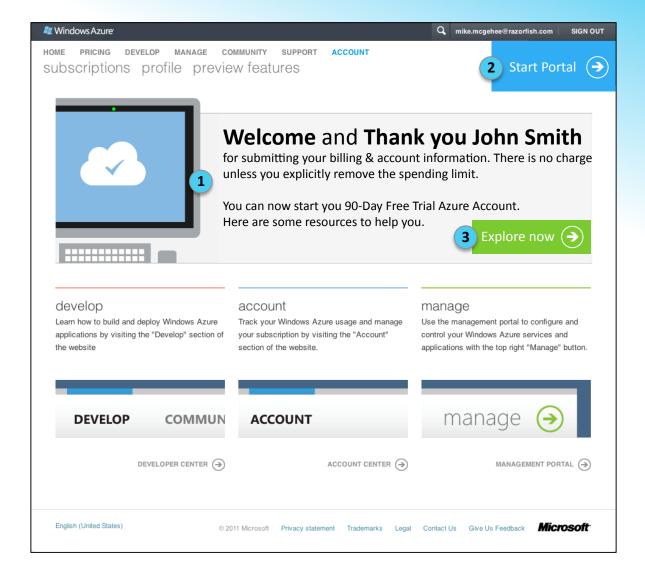
- User has input their verification code, verification is completed and the user can continue.
- The icon and label changes to verified.



# Step 5 – Billing & Account Information modal

#### Notes:

- The user is tasked with filling in the necessary Credit Card,
  Billing and Account information.
- Once all the information is provided the user can select the finish to continue to the Thank
  You message or can decide to cancel the submission.



### **Step 6 – Welcome Account Page**

#### Notes:

- After the user has finished the Billing and Account step the Welcome page appears. A personal message appears thanking the user for submitting their information, no charge reminder and about the 90 Day Free Trial.
- Revised the Portal CTA to Start Portal and takes the user to the Portal page.
- Added Explore now CAT button and takes the user to the Portal page.

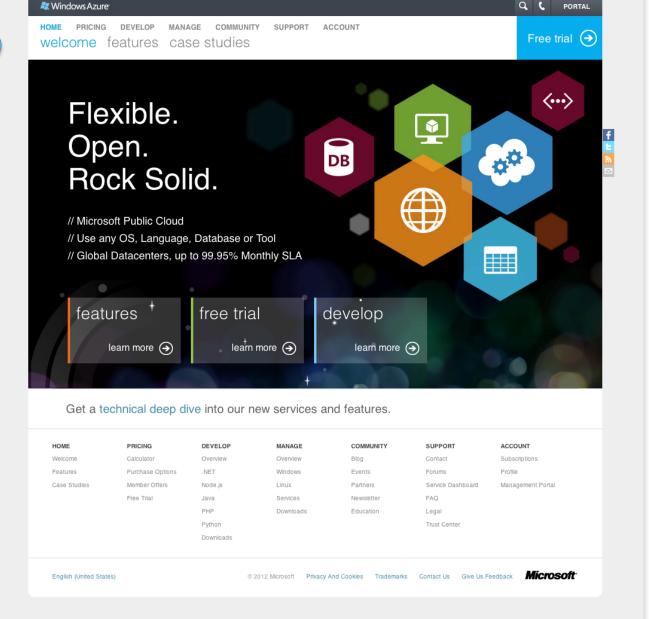
# **Appendix**

Azure slides 20-28

AWS slides 29-37

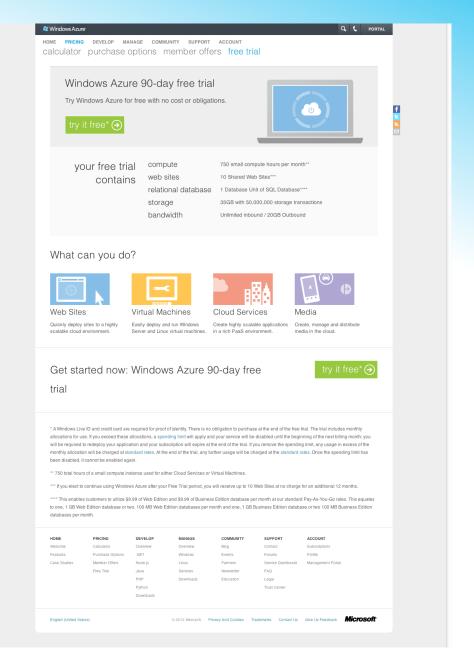








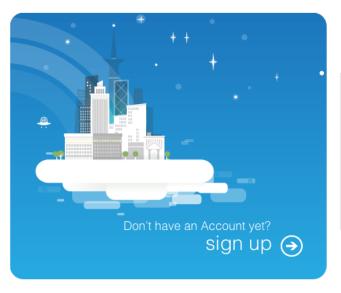






## **Windows** Azure



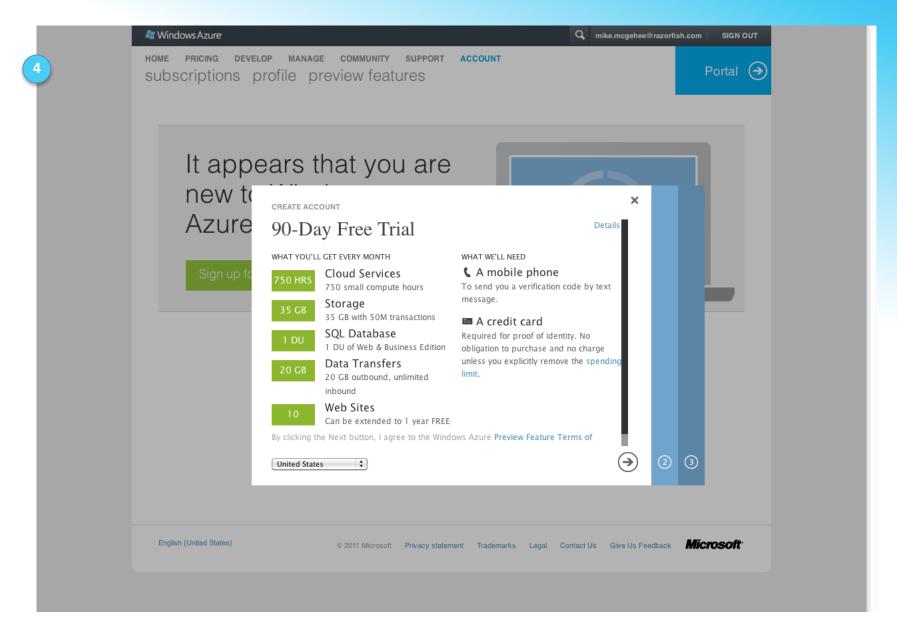


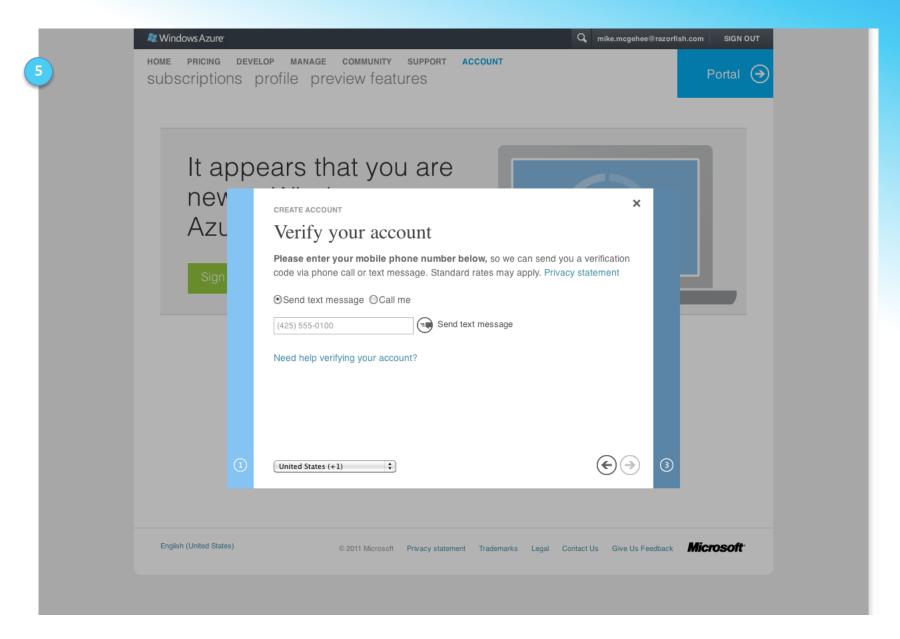
# sign in

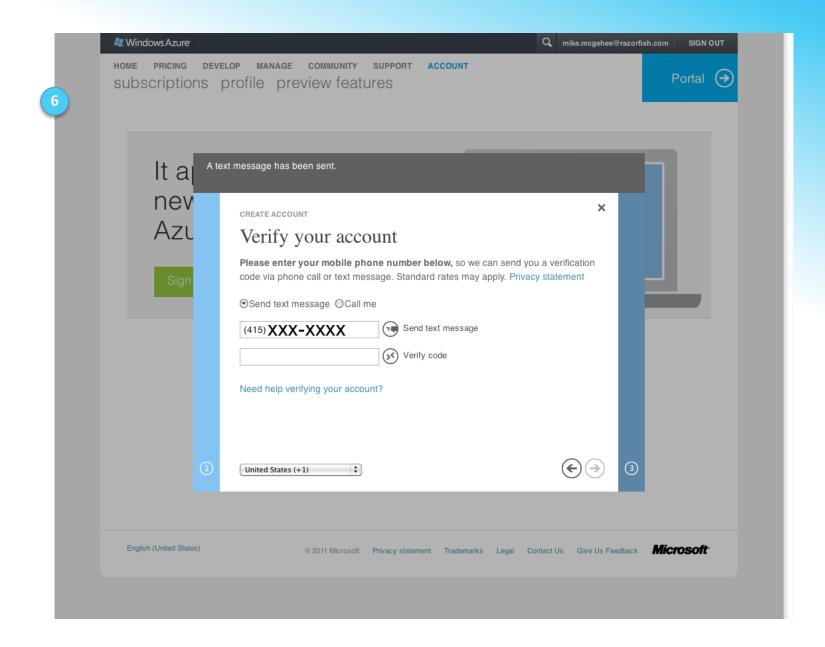
example	555@hotmail.com
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Sign i	
Not your	computer?
Get a sir	gle use code to sign in with

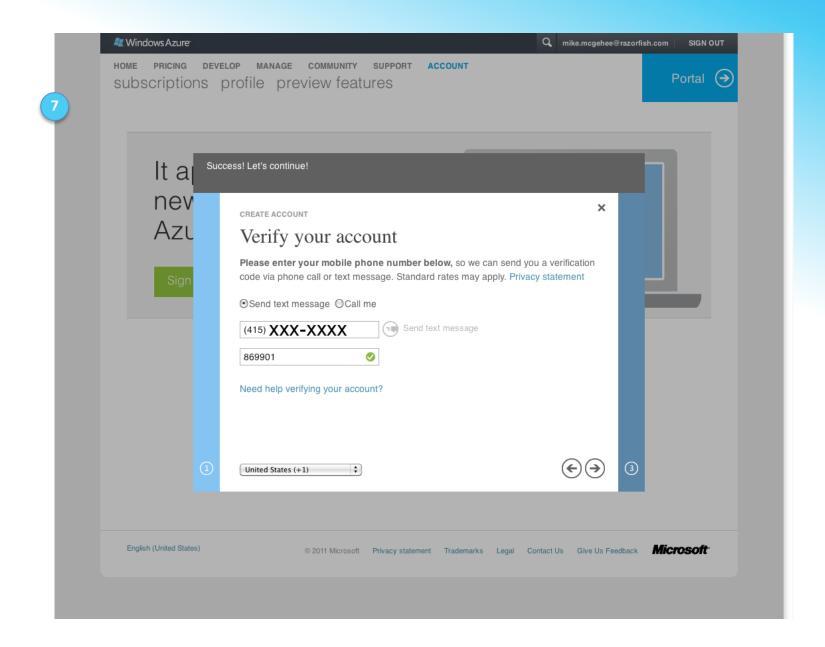
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Help Center | Feedback

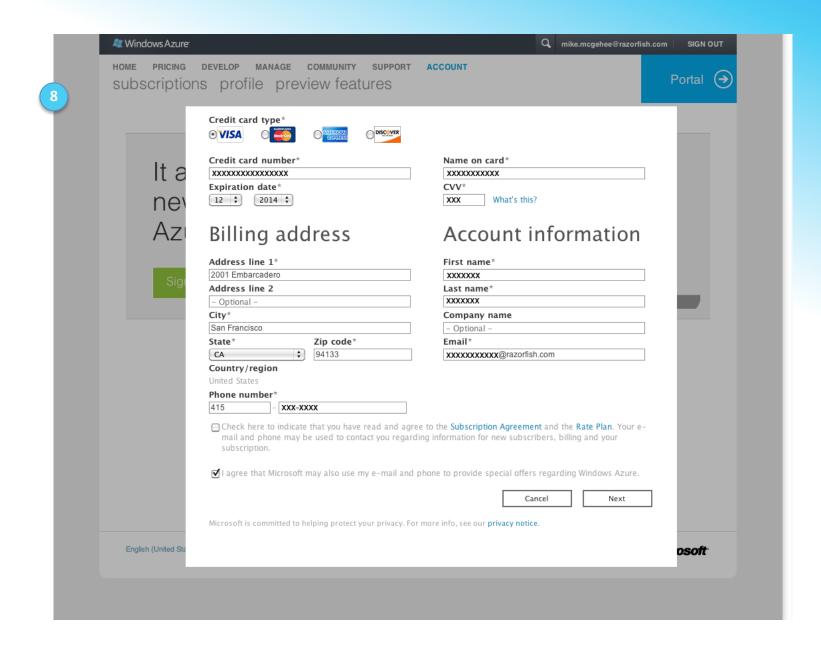


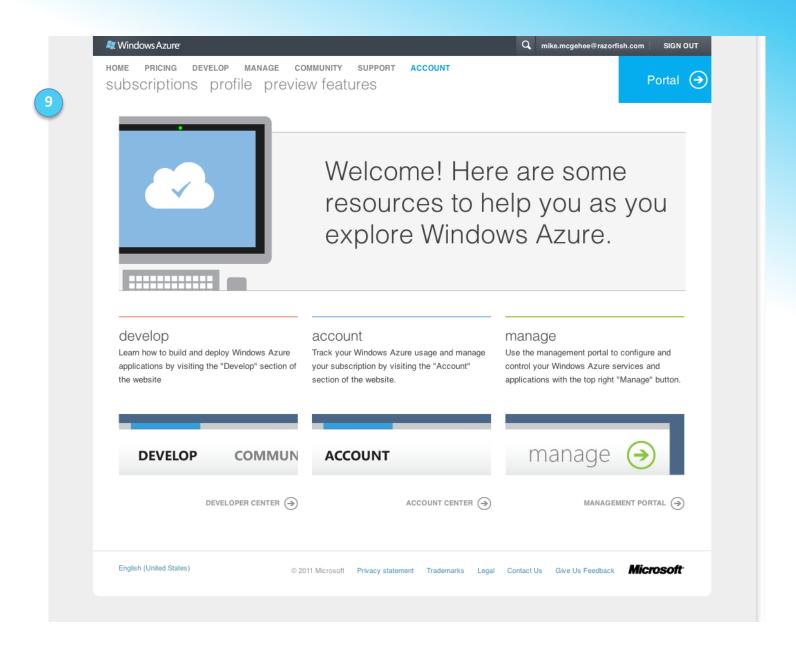




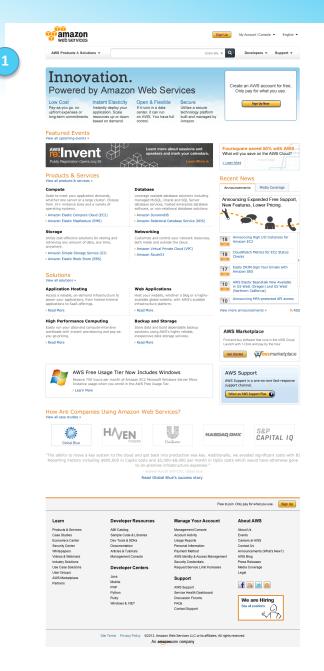
















## Sign In or Create an AWS Account

You may sign in using your existing Amazon.com account or you can create a new account by selecting "I am a new user."

My e-mail address is:	XXXX.XXXXXX @razorfish.com
0	I am a new user.
0	I am a returning user and my password is:
	Sign in using our secure server
	Forgot your password?
	Has your e-mail address changed?
	Learn more about <u>AWS Identity and Access</u> <u>Management</u> and <u>AWS Multi-Factor Authentication</u> , features that provide additional security for your AWS Account.

#### About Amazon.com Sign In

Amazon Web Services uses information from your Amazon.com account to identify you and allow access to Amazon Web Services. Your use of this site is governed by our Terms of Use and Privacy Policy linked below.

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## **Login Credentials**

Use the form below to create login credentials that can be used for AWS as well as Amazon.com.

My name is: XXXX

My e-mail address is: XXXX.XXXXXXXQrazorfish.com

Type it again: XXXX.XXXXXXXQrazorfish.com

note: this is the e-mail address that we will use to contact you about your account

Enter a new password: Type it again:

Continue

#### About Amazon.com Sign In

Amazon Web Services uses information from your Amazon.com account to identify you and allow access to Amazon Web Services. Your use of this site is governed by our Terms of Use and Privacy Policy linked below.

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#### Contact Infor

Contact Information		
* n	equired fields	
Full Name*:	xxxx xxxxxxx	
Company Name:		
Country*:	United States	•
Address Line 1*:	2001 Embarcadero Street address, P.O. box, company nam	ie, c/o
Address Line 2:		
	Apartment, suite, unit, building, floor, e	etc.
City*:	San Francisco	
State, Province or Region*:	CA	
ZIP or Postal Code*:	94133	
Phone number*:	415-369-6372	
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AWS Customer Agreement		
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#### About Amazon.com Sign In

Amazon.com Sign In allows you to log in to applications that use Amazon technology using your Amazon.com account. To protect your information, you should only enter your Amazon.com e-mail address and password into a web site if the address of the site starts with https://www.amazon.com (see your browser address bar to check this). You can find out about how your personal information is protected in our Privacy Notice.

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CREATE ACCOUNT	PAYMENT METHOD	IDENTITY VERIFICATION	CONFIRMATION
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(2001 Embarcadero, San Francisco	co, CA 94133, US, (415) 369-6372)		
<ul> <li>Enter a new address</li> </ul>			

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	llow the 3 simple steps belo				
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Please er	ter your information below	and click the "Call Me	e Now" button.		
Country	Code: United States (+1)	Phone r	number: (415) 369-6372	ext:	
		Call N	1e Now		

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CREATE ACCOUNT

PAYMENT METHOD

IDENTITY VERIFICATION

CONFIRMATION

In order to complete the sign up process, we will need to verify your identity.

### Identity Verification by Telephone

After you provide a telephone number where you can be reached below, you will then be called immediately by an automated system and prompted to enter the PIN number over the phone. Once completed, you'll be able to proceed to review your account details. Please follow the 3 simple steps below.

#### ✓ Provide a telephone number

#### Call in progress to 1 (415) 369-6372

Please follow the instructions on the telephone and key in the following Personal Identification Number (PIN) on your telephone when prompted.

### Your PIN: **2479**

If you have not yet received a call at the number indicated above please wait. This page will automatically update with what you need to do next.

### 3. Identity verification complete

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In order to complete the sign up process, we will need to verify your identity.

Identity Verification by Telephone

After you provide a telephone number where you can be reached below, you will then be called immediately by an automated system and prompted to enter the PIN number over the phone. Once completed, you'll be able to proceed to review your account details. Please follow the 3 simple steps below.

V Provide a telephone number

V Call to 1 (415) 369-6372

3. Identity verification complete

Your identity has been verified successfully

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Continue (

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CREATE ACCOUNT PAYMENT METHOD IDENTITY VERIFICATION CONFIRMATION



#### Activating your account...

We are in the process of activating your account so that you can begin using AWS.

We will notify you by e-mail at **mike.mcgehee@razorfish.com** once the verification is complete. You will then be able to begin using all AWS Infrastructure Services. For most customers, this process only takes a couple of minutes (but can sometimes take a few hours if additional account verification is required). As part of the account activation process, a \$1 authorization will be placed on the payment method (normally, a Debit or Credit Card) to make sure your payment method is valid. **This authorization is not a charge**, but your bank may hold the authorized funds as unavailable until the authorization expires

#### Start Exploring Amazon Web Services

- Products & Services
- Detailed Service Pricing
- Documentation
- FAQs
- Discussion Forums

#### Sign Up For AWS Support

AWS Support is a one-on-one, fast response support channel to help you build and run applications on AWS. With pay-by-the-month pricing and an unlimited number of support cases, you are not constrained by long-term support contracts or limited support privileges.



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