

How to obtain an individual certificate from an Active Domain Certificate Server

These slides show how to obtain an individual (the system calls you a user, sigh) certificate from a certificate authority in the domain.

Preuss

10/26/2012



Recycle Bin



Adobe Reader X



LibreOffice 3.6



Mozilla Firefox



Angry Birds



VLC media player

In this example, start your computer. The computer does not need to be a member of the domain. This computer is not a member of the domain.


This example is using Firefox to obtain the certificate.
You may need to experiment with different browsers.

Firefox

Mozilla Firefox Start Page

about:home

Google



mozilla

Google [Search]

Downloads | Bookmarks | History | Add-ons | Sync | Settings | Restore Previous Session

Recycle Bin

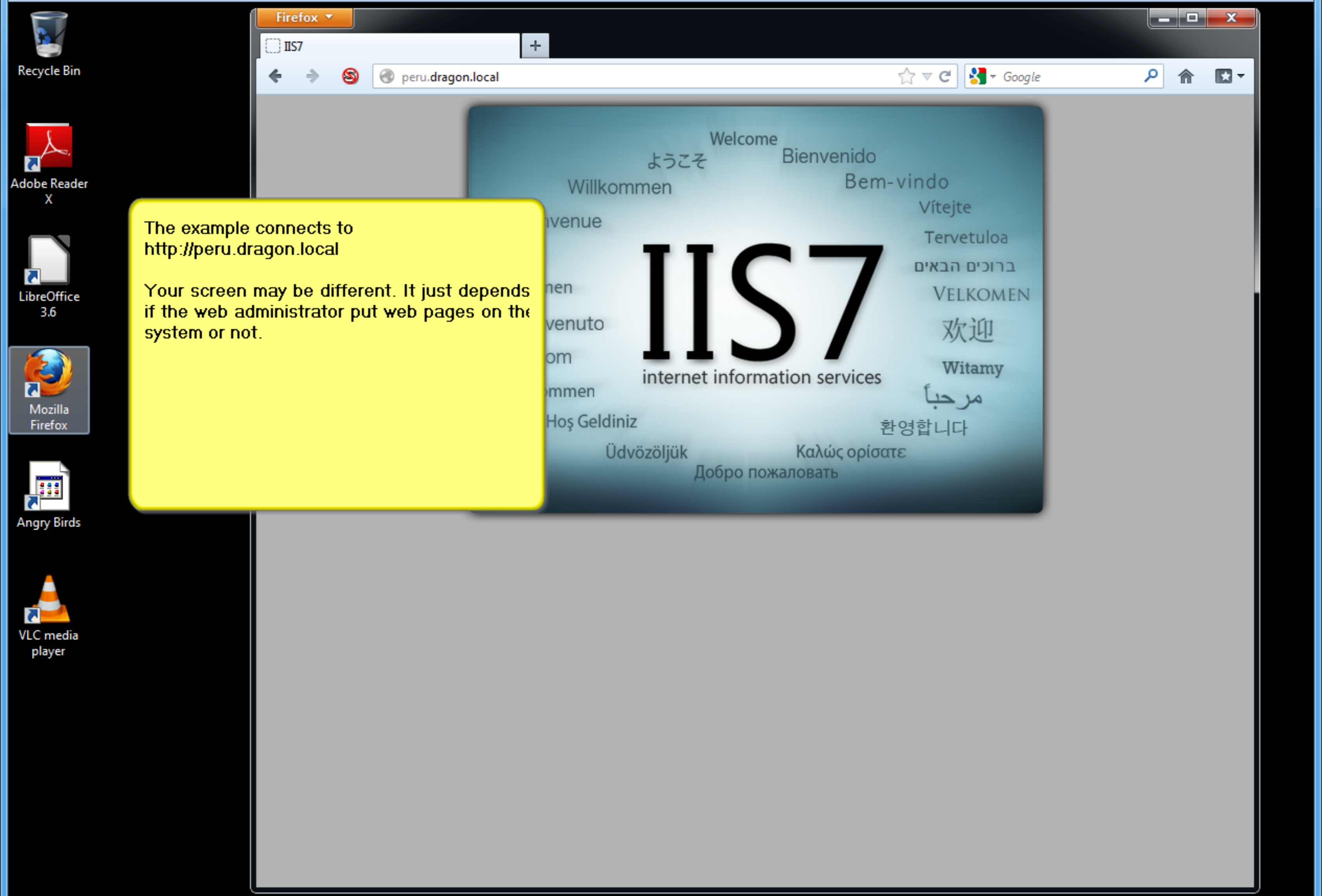
Adobe Reader X

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The example connects to <http://peru.dragon.local>

Your screen may be different. It just depends if the web administrator put web pages on the system or not.

Firefox

IIS7

peru.dragon.local

Google

Welcome

ようこそ

Bienvenido

Willkommen

Bem-vindo

Vítejte

Tervetuloa

ברוכים הבאים

VELKOMEN

欢迎

Witamy

مرحباً

환영합니다

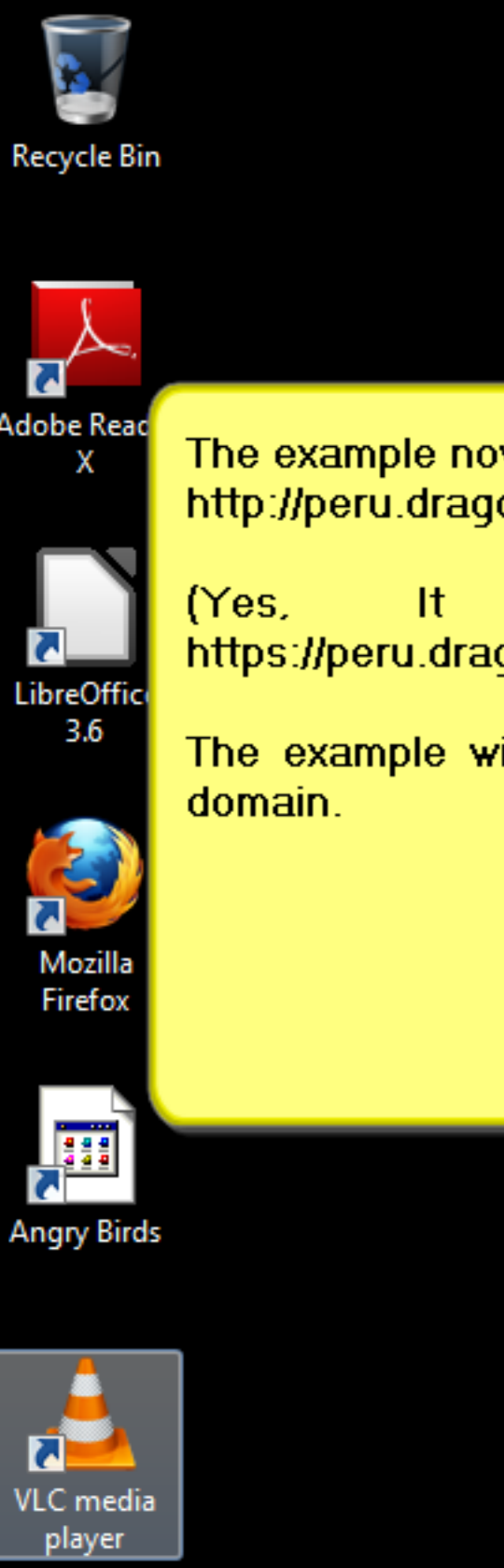
Καλώς ορίσατε

Üdvözljük

Добро пожаловать

IIS7

internet information services



Firefox

Connecting...

peru.dragon.local\certsrv

Welcome
ようこそ
Bienvenido
Willkommen
Bem-vindo
Bienvenue
Vítejte
Tervetuloa
ברוכים הבאים
VELKOMEN
歡迎

IIS7

Authentication Required

Enter username and password for http://peru.dragon.local

User Name:

Password:

OK Cancel

Waiting for peru.dragon.local...

The example now connects to `http://peru.dragon.local/certsrv`

(Yes, it really should be `https://peru.dragon.local`, but)

The example will enter a valid logon for the domain.

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Adobe Reader X
LibreOffice 3.6
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VLC media player

Firefox

Microsoft Active Directory Certificate Ser... +

peru.dragon.local/certsrv/

Microsoft Active Directory Certificate Services -- dragon-PERU-CA Home

Welcome

Use this Web site to request a certificate for your Web browser, e-mail client, or other program. By using a certificate, you can verify your identity to people you communicate with over the Web, sign and encrypt messages, and, depending upon the type of certificate you request, perform other security tasks.

You can also use this Web site to download a certificate authority (CA) certificate, certificate chain, or certificate revocation list (CRL), or to view the status of a pending request.

For more information about Active Directory Certificate Services, see [Active Directory Certificate Services Documentation](#).

Select a task:

- [Request a certificate](#)
- [View the status of a pending certificate request](#)
- [Download a CA certificate, certificate chain, or CRL](#)

This is the first web page after the logon. The example will choose the Request a certificate option.

Scripts Currently Forbidden | <SCRIPT>: 1 | <OBJECT>: 0

Options... x



Recycle Bin



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Mozilla Firefox



Angry Birds



VLC media player

Firefox

Microsoft Active Directory Certificate Ser... +

peru.dragon.local/certsrv/certrqus.asp

Microsoft Active Directory Certificate Services -- dragon-PERU-CA [Home](#)

Request a Certificate

Select the certificate type:
[User Certificate](#)

Or, submit an [advanced certificate request](#).

The example chooses the easy option. Use Certificate.



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Firefox

Microsoft Active Directory Certificate Ser... +

peru.dragon.local/certsrv/cetrqbi.asp?type=0

Microsoft Active Directory Certificate Services -- dragon-PERU-CA [Home](#)

User Certificate - Identifying Information

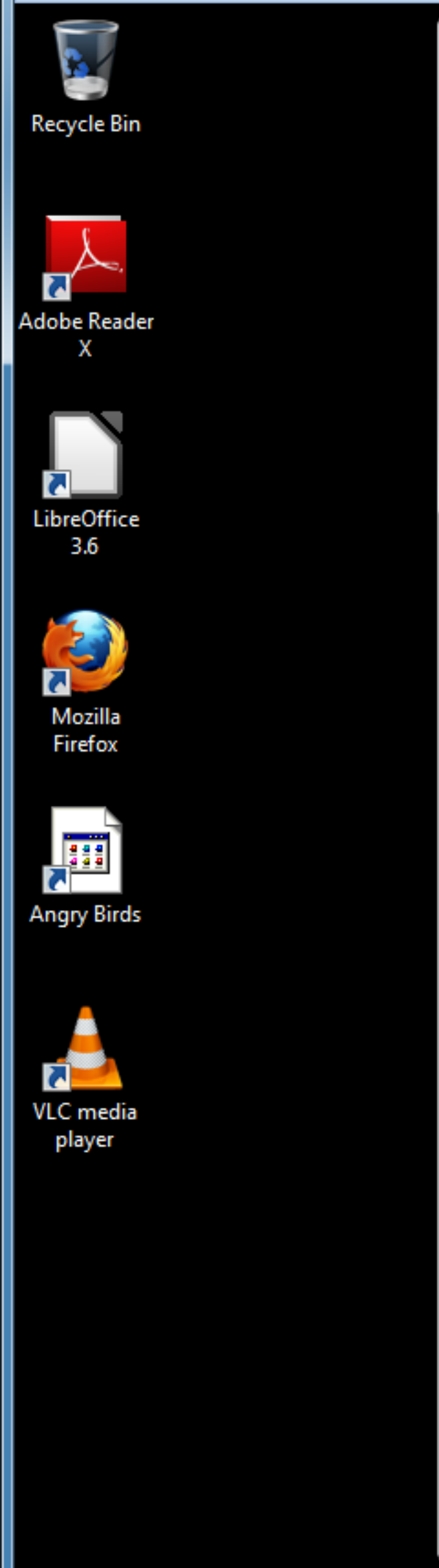
No further identifying information is required.

Please select a key strength:

Key Strength:

The example does not change the key strength. The decision is really yours. The example submits the request.

Scripts Currently Forbidden | <SCRIPT>: 7 | <OBJECT>: 0



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Firefox


Microsoft Active Directory Certificate Ser... +

peru.dragon.local/certsrv/certfnsh.asp

Microsoft Active Directory Certificate Services -- dragon-PERU-CA [Home](#)

Certificate Issued

The certificate you requested was issued to you.

 [Install this certificate](#)

Save response

The example chooses Install this cetificate.



Recycle Bin



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Firefox


Connecting...

peru.dragon.local/certsrv/certifnsh.asp

Microsoft Active Directory Certificate Services -- dragon-PERU-CA

Certificate Issued


The certificate you requested was issued to you.

 [Install this certificate](#)

Save response

This is success.

Alert

 Your personal certificate has been installed. You should keep a backup copy of this certificate.

OK

Transferring data from peru.dragon.local...

- Recycle Bin
- Adobe Reader X
- LibreOffice 3.6
- Mozilla Firefox
- Angry Birds
- VLC media player

Firefox

Microsoft Active Directory Certificate Ser... +

peru.dragon.local/certsrv/certfnsh.asp

Microsoft Dragon-PERU-CA Home

Certifica

The certif

[install this certificate](#)

Save response

The example runs no script. The example needs to allow the scripts from the certificate server to run.

The screenshot shows a Firefox browser window with a single tab titled "Microsoft Active Directory Certificate Ser...". The address bar contains the URL "peru.dragon.local/certsrv/certfnsh.asp". The page title is "Microsoft Active Directory Certificate Services -- dragon-PERU-CA" and it includes a "Home" link. The main content area displays "Certificate Issued" and "The certificate you requested". A link "Install this certificate" is visible, along with a "Save response" checkbox. Overlaid on the browser is the "Options" dialog box, with the "General" tab selected. The "Startup" section shows "When Firefox starts:" set to "Show my home page" and "Home Page:" set to "Mozilla Firefox Start Page". The "Downloads" section has "Show the Downloads window when downloading a file" checked, and "Save files to:" set to "Downloads". The "Add-ons" section has "Change options for your add-ons" and a "Manage Add-ons..." button. At the bottom of the dialog are "OK", "Cancel", and "Help" buttons.

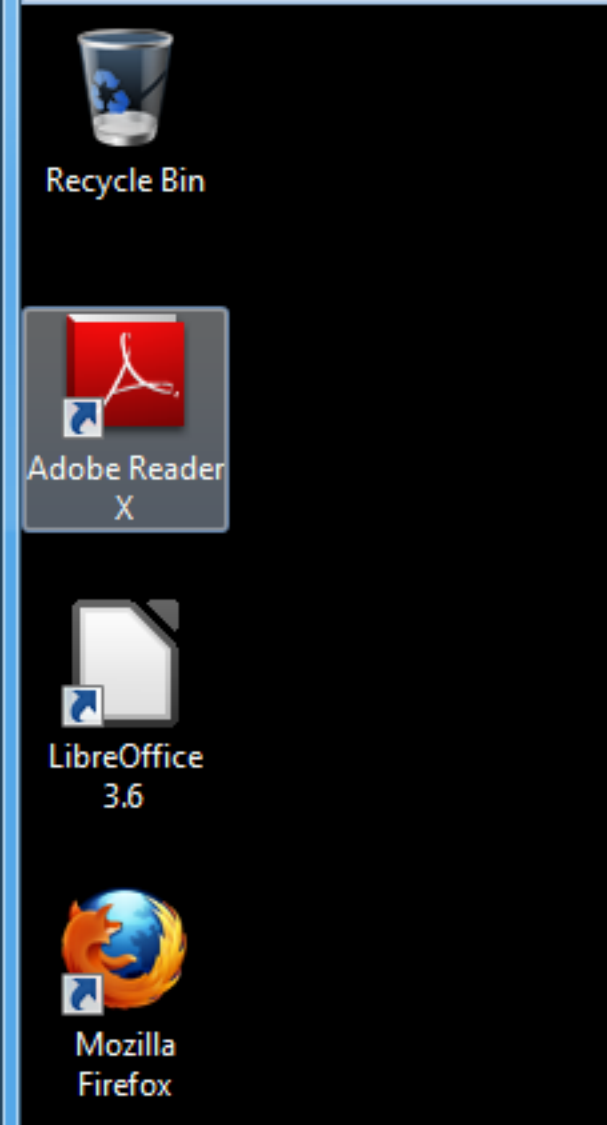
The example opens Firefox options page.

The screenshot shows a Firefox browser window with a single tab titled "Microsoft Active Directory Certificate Ser...". The address bar contains "peru.dragon.local/certsrv/certifnsh.asp". The page title is "Microsoft Active Directory Certificate Services -- dragon-PERU-CA" with a "Home" link. The main content area displays "Certificate Issued" and "The certificate you requested". A link "Install this certificate" is visible. Overlaid on the browser is an "Options" dialog box with the "Advanced" tab selected. The "Encryption" sub-tab is active, showing settings for Accessibility, Browsing, and System Defaults. A yellow callout box on the left contains three lines of text: "The example selects the advance setting for options.", "The example selects the encryption tab.", and "The example selects the view certificates button." The system tray at the bottom shows the time as 11:51 AM.

The example selects the advance setting for options.

The example selects the encryption tab.

The example selects the view certificates button.



Firefox

Microsoft Active Directory Certificate Ser... +

peru.dragon.local/certsrv/certifnsh.asp

Microsoft Active Directory Certificate Services -- dragon-PERU-CA Home

Certificate Issued

The certificate you requested

Options

Save re

Certificate Manager

Your Certificates | People | Servers | Authorities | Others

You have certificates from these organizations that identify you:

Certificate Name	Security Device	Serial Number	Expires On
dragon-PERU-CA			
abby albatross	Software Security Device	24:03:01:25:00:00:00:0...	12/28/2012

Backup... Backup All... Import... Delete...

OK

OK Cancel Help

The example selects the Your Certificates tab. The certificate you just requested should be here. The example has Abby Albatross certificate installed.



Firefox

Microsoft Active Directory Certificate Ser... +

peru.dragon.local/certsrv/certfnsh.asp

Microsoft Active Directory Certificate Services -- dragon-PERU-CA Home

Certificate Issued

The certificate you requested

Options

Save re

Advanced

Certificate Manager

Your Certificates | People | Servers | Authorities | Others

You have certificates from these organizations that identify you:

Certificate Name	Security Device	Serial Number	Expires On
dragon-PERU-CA			
abby albatross	Software Security Device	24:03:01:25:00:00:00:0...	12/28/2012

View... Backup... Backup All... Import... Delete... OK

OK Cancel Help

The example selects abby's certificate to view the details.



Firefox

Microsoft Active Directory Certificate Ser...

peru.dragon.local/certsrv/certifnsh.asp

Microsoft Active Directory Certificate Services

Home

Certificate Issu

The certificate y

Save re

Advanced

Help

Certificate Viewer:"abby albatross's ID"

General Details

Could not verify this certificate for unknown reasons.

Issued To

Common Name (CN)	abby albatross
Organization (O)	<Not Part Of Certificate>
Organizational Unit (OU)	ZAM
Serial Number	24:03:01:25:00:00:00:00:0C

Issued By

...F8:74:F3:2C:57:61:BA:A7:FA

...24:60:EF:3E:5C

Close

The example is viewing the general tab of Abby's certificate.

The screenshot shows a Windows 7 desktop environment. In the background, a Firefox browser window is open to the URL `peru.dragon.local/certsrv/certfnsh.asp`. The page displays the Microsoft Active Directory Certificate Services interface, including a "Certificate Issuance" section. Overlaid on top of the browser is a "Certificate Viewer" dialog box titled "Certificate Viewer: 'abby albatross's ID'". The dialog has two tabs: "General" and "Details". The "Details" tab is active, showing a "Certificate Hierarchy" with "abby albatross" and "Certificate Fields" with "abby albatross's ID" and "Certificate". At the bottom of the dialog are "Export..." and "Close" buttons. A yellow sticky note is placed over the dialog, containing the text: "The example is viewing the details tab of Abby's certificate."

The example is viewing the details tab of Abby's certificate.