

Encentuate Training Guide for Encentuate IAM v3.X

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Objective of this guide

This training guide is intended to be used with a Virtual Machine (VM) training environment for the installation and setup of the Encentuate solution. The objective of this guide is to:

- Provide our customers and partners with hands-on training and familiarization of the Encentuate solution
- Provide a quick start environment for evaluating and learning the Encentuate solution

This training material is most effective when accompanied with a hands-on training session conducted by certified Encentuate trainers.

What you will learn

At the end of this training guide, you will be able to:

- Install and setup an IMS server to work with Microsoft Active Directory (AD)
- Install and setup AccessAgent on Microsoft Terminal Services to provide Roaming Desktops
- Install and setup AccessAgent on Windows XP, configured to work in Private Desktop^{*} mode
- Install AccessStudio and profile the following example applications for single sign-on:
 - o A Windows 32 application
 - A teletype (TTY) application
 - A mainframe green screen application
 - o A web application
- Sign up Bob and Alice to use the Encentuate solution

[•] Encentuate provides comprehensive session management capabilities and can be configured to provide Personal Desktop, Shared Desktop, Private Desktop, and Roaming Desktops. Shared Desktop allows multiple users to share a generic desktop login and is useful in kiosk environments, such as those on clinical floors, warehousese or manufacturing facilities. Roaming Desktop provides a remote desktop on a Terminal Server or Citrix and "follows" the user as he roams from workstation to workstation.

Test and evaluate the product

What is not covered

This training guide covers a typical setup in a moderately complex kiosk environment. It does not cover all the capabilities of the Encentuate solution. For example, it does not cover the set up of:

- Strong authentication
- Web Workplace for remote access
- AccessAgent for Citrix
- Password self-service
- AccessStudio Advanced

Separate training is available for the above topics.

Pre-requisites

The use of this training guide requires a confidentiality agreement, a software evaluation agreement, or a reseller agreement to be in place.

This training guide is intended to be used with a VM training environment.

Please contact your Encentuate Account Executive or Partner Manager to get a copy of the agreements and the VM training environment.

Getting Help

To get help anytime, please contact support@encentuate.com.

To submit feedback, requests new features or report defects, please login to <u>http://customercare.encentuate.com</u> or <u>http://partnercare.encentuate.com</u>. You may contact your Account Executive or Partner Manager to get an account.

Encentuate IAM

Encentuate IAM is the first solution that delivers a simple, flexible, and complete identity and access management solution at the enterprise end-points. Encentuate intelligently migrates the user-centric identity and access management (IAM) functions, such as enterprise single sign-on, authentication, and audit and compliance services, to the enterprise end-points, while integrating with provisioning and directory services at the enterprise back end.

The figure below summarizes the key functions:



For more information, refer to the whitepapers "Identity and Access Management at the Enterprise End-points" and "Encentuate IAM – A Product Overview"

Training scenarios

The training scenario outlined in this section is intended to be used on the supplied VM training environment.

This training scenario will cover the following:

- Install and setup an IMS server to work with Microsoft Active Directory
- Install and setup AccessAgent on Microsoft Terminal Services to provide Roaming Desktops
- Install and setup AccessAgent on Windows XP, configured to work in Private Desktop mode
- Install AccessStudio and profile the following types of applications:
 - o A Windows 32 application
 - A teletype (TTY) application
 - A mainframe green screen application
 - o A web application
- Register an administrator Bob and a user Alice
- Test and evaluate the product

About the Training VM

The VM training environment comprises of:

- A Server VM with the following software installed to simulate a typical enterprise environment:
 - o Windows 2003 server, where IMS server will be set up
 - Microsoft Active Directory
 - o Microsoft Terminal Server

• A Client VM running Windows XP where AccessAgent will be installed to simulate a typical enterprise kiosk (shared workstation in private desktop mode)

The VM training environment needs to be installed and set up on a workstation with the following requirements:

- 2GB RAM minimum
- 10 GB of hard disk space

To install the VM training environment:

- Install VMWare Workstation v6.0 or later on the target workstation
 - A VMWare installer is included as part of the Training VM package. To activate a free trial license, register at http://www.vmware.com/vmwarestore/newstore/wkst601_eval_login.jsp
- The Training VMs are packaged as two .RAR archives. Copy the two files below to the target workstation:
 - o ENC IMS Domain Server.rar
 - o ENC AA XPSP2.rar
- Expand the two .rar files

- Run Start > Programs > VMWare > Manage Virtual Networks
 - Configure a NAT network for subnet 192.168.210.0

(**Note**: This training VM requires this subnet to work. If you need help configuring the network for this VM, please refer to

http://pubs.vmware.com/ws6_ace2/wwhelp/wwhimpl/js/html/wwhelp.htm for assistance.)

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	an IP <u>A</u> ddress: <u>S</u> ubnet Mask: 92 . 168 . 210 . 0 92 . 168 . 210 . 128 92 . 168 . 210 . 254

- To test that you have properly configured the network, please do the following:
 - Start up the Server VM (ENC IMS Domain Server)
 - Start up the Client VM (ENC AA XPSP2). Note that Windows automatically logs in with the user name: "private" and the password "himmss"[†].
 - Click on the "Medscape Local" icon on Client VM's desktop to see if it can connect to the Win2003 Server
 - If a Medscape Local web page displays successfully, then the network has been configured properly

This Training Guide does not cover how to setup and use a Virtual Machine. For more information, see http://pubs.vmware.com/ws6_ace2/wwhelp/wwhimpl/js/html/wwhelp.htm.

[†] To simulate a windows kiosk, the Windows registry flags AutoAdminLogon and ForceAutoLogon are pre-set to auto logon to the shared desktop account "private".

Installing Encentuate IMS

In the Server VM (ENC IMS Domain Server), you will find the IMS Installer. To install and configure the IMS:

- Login to Windows with user name: administrator, and password: encentuate
- Run the IMS installer provided on the desktop
- Once the installer starts, click "Next"
- Choose "Express Install"[‡] and click "Next"



- Since a database will be installed as part of Express Install, you will be asked to select a password for the database administrator
 - Enter the database administrator's password (eg, sso123!) for the newly created MSSQL server; click "Next"

[‡]Express install will automatically install a database with IMS.

On the pre-installation summary screen, click on "Install"

•



• When you see the screen below, the installation is complete. You are now ready to start configuring the IMS

Encentuate IMS Server Installa	tion
	Installation comple
 Review prerequisites Choose installation type Choose installation locati Choose server settings Choose database settlings Confirm settings Installation Installation complete 	Encentuate IMS Server has been successfully installed at: C:\Encentuate\IMSServer3.5.55.0 IMS Server has now been started. Click Done to close the installer and proceed to IMS Server configuration.
istallAnywhere by Zero G	
Cancel	Previous Done

- The IMS Configuration Utility will start now, enter the following AD information:
 - o DNS Domain Name: encnetwork.local
 - Lookup User name: administrator
 - Lookup Password: encentuate
 - Click "Next"

🚈 Encentuate IMS Server Configur	ation - Microsoft Internet Explorer
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Links 🙋 AccessAdmin 🔮 IMS Confi	g 😸 Medscape Local
🙆 ENCENTUATE' IN	AS Server Configuration
Welcome	Configure enterprise directory connection
Setup assistant	Add domain For the enterprise directory you would like to connect to enter the domain name and a valid lookup user name
Product activation Provision IMS administrator Basic settings	within that domain.
Authentication services Enterprise directories Housekeeping Biometric support ActiveCode deployment Advanced settings	encnetwork.local Lookup user name: administrator Lookup password:
AccessAdmin IMS Server Data source Message connectors IMS Bridges User authentication Deprovisioning	Configure multiple domains Back Next
🛃 Done	Local intranet

This configures Encentuate IMS with the rights to query AD for user information. Note that Encentuate does not extend the AD schema.

Check "Use Active Directory password as Encentuate password"[§]. Click "Next"



•

[§] Encentuate may be configured to allow users to use a unique password or to use their AD password as the Encentuate password.

- You will be asked to specify the login credentials for the initial IMS Administrator. Enter the following AD information:
 - User name: <u>doctor-bob</u>
 - Password: himmss
 - o Domain: encnetwork.local
 - Click "Next"**

Encentuate IMS Server Config	uration - Microsoft Internet Explorer	X
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Links 🙋 AccessAdmin 🛛 🛃 IMS Co	nfig 🙋 Medscape Local	
		_
ENCENTUATE	MS Server Configuration	
Welcome	Provision an IMS Server administrator	
Setup assistant	Choose credentials	
Configuration Wizards	Provide credentials of a valid domain user to be provisioned as an IMS administrator:	
Product activation Provision IMS administrator	User name:	
Basic settings	doctor-bob	
Authentication services	Password:	
Enterprise directories Housekeeping	•••••	
Biometric support ActiveCode deployment	Domain:	
Advanced extringe	encnetwork.local	
Advanced setungs	I will assign the administrator later	
IMS Server	Back Next	
Message connectors		
MS Bridges User authentication		
Deprovisioning		
		<u> </u>
Done	Local int	ranet

The user "doctor-bob" is now pre-registered with IMS. Registration will be complete when "doctor-bob" first logs on to his Encentuate account from a client. This will be covered in the next section.

[&]quot; This initial administrator will have administrative rights to promote other users to the "administrator role" or "Help desk Manager" role later.

- You have successfully configured IMS. You will be asked to restart the IMS service:
 - Click Start > All Programs > Encentuate IMS Server > Stop IMSService to stop the IMS service
 - Click Start > All Programs > Encentuate IMS Server > Start IMSService to restart the IMS service



Configuring machine and user policies (AccessAdmin Setup Assistant)

The IMS Server has been successfully installed. In this section, you will configure the policy templates for users and machines on the network. This is done on the IMS through the Encentuate AccessAdmin portal. There is a new Setup Assistant to help you to do it.

• Click on Start > All Programs > Encentuate IMS Server > Encentuate AccessAdmin.



 Click Yes on the warning pop-up, then logon as username: <u>doctor-bob</u> and password: <u>himmss</u>

Encentuate AccessAdmin - Microsoft Internet Expl	orer		
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ENCENTUATE' AccessAdmin Log on Enter your user name and password to log on. User name:			×
Encentuate password:			
Domain:			
encnetwork	-		
Log on			*
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• Click on the "Setup assistant" link. On the next page, click on "Begin".

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doctor-bob	Search for users	
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Log off		
Setup assistant	Search by.	
Search Users	User principal name	-
Search	Mobile ActiveCode phone number Mobile ActiveCode e-mail address V	
All administrators		
All helpdesks All revoked users	Search	
User Policy Templates		
New template		
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Machines		
Search		
Machine Policy Templates		
New template		
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• Check the "Enable automatic signup" box and click "Next".



- On the "Choose second factors" page, just click "Next".
- Check the "Support shared workstations" box. Click "Next".

Encentuate AccessAdmin - Mie	crosoft Internet Explorer	8 2
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Address in https://ims.encnetwork	.local/ims/jsf/ui/admin/facelets/wizards/setupAssistant/choose2ndFactors.xhtml?_flowExecutionKey=_c2264FD 🗾 🛃	Go
	AccessAdmin	
Administrator	Encentuale setup. AccessAumin setup	ε.
Log off	Choose workstation sharing options Choose how users will be able to access and use workstations.	
Setup assistant Search Users	Support shared workstations Check this option if you have workstations that are shared among many users, requiring the use of fast user, switching	
Search My users All administrators All helpdesks All revoked users User Policy Templates	Support personal workstations Check this option if you have workstations that are generally only used by single users.	
New template Template assignments Machines		
Search		
Machine Policy Templates		
New template Template assignments	Cancel Back Next	
System		
Done	🔒 🚳 Internet	

• Check "Support private desktops". Click "Next".



• Check "Enable AccessAgent for Citrix or Terminal Server". Click "Next".



- Enter "Training Demo Template". Click "Next".
- On the "Choosing authentication policies" page, just click "Next".
- Click on the top "Configure" link to work on the shared desktop policies.

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🕺 ENCENTUAT	E' AccessAdmin	
doctor-bob Administrator	Encentuate setup: AccessAdmin setup	
Log off	Configure policy templates Based on your choices, we have selected the policy templates that best match your setup. Please configure one before moving forward.	each
Setup assistant		
Search Users	Policy template	
Search My users All administrators	Configure Shared workstation, Private desktop This policy template supports the use of shared workstations and private desktops.	
All helpdesks All revoked users User Policy Templates	Configure Config	luding thin clien
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- Click on "Next" to keep the chosen name.
- Click on "Next" to choose Lock computer as desktop inactivity behavior.
- Check "Use this as the default template". Click "Next".
- Back at the "Configure policy templates" page, click on the lower "Configure" link.
- Click on "Next" to keep the chosen name.
- Check "Automatically log on to AccessAgent". Click "Next".
- Check "Use only machines matching these criteria". Set "Host name is ims" as shown. Click "Next".

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ENCENTUATE' A	ccessA	dm	in setup: AccessAdmin setu	p: Citrix and T	erminal se	rver			
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Setup assistant Search Users	Cu	lse t Vhen	his as the default temp new machines are added	late for ma	chines ie, they wi	il automati	cally use this template.		
Search My users All administrators All helpdesks All revoked users	¢υ	ise c	only machines matchin Match all of these criteria	g these crit C Match a	eria: ny of thes	e criteria	* * ×	4	
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- Back at the "Configure policy templates" page again, now click on "Next".
- On the "Confirm settings" page, click "Next".
- On the "AccessAdmin setup complete" page, click "Done".

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🕺 ENCENTUATE'	AccessAdmin	
octor-bob dministrator	Encentuate setup: AccessAdmin setup	
.og off	AccessAdmin setup complete AccessAdmin has been successfully set up. You can always come back to this assistant later to mak adjustments.	e
etup assistant	Summary	
earch Users	Setting System Policies: 6 successes, 0 failures	
y users	Setting Policy Management Objects: 6 successes, 0 failures	
II helpdesks	Updating Machine Policy Templates: 2 successes, 0 failures	
eer Delieu Templatee	Updating User Policy Templates: 1 success, 0 failures	
lew template emplate assignments raining demo template lachines	Show details	
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lachine Policy Templates		
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• Click on the "System policies" link. Expand "Wallet Policies" on the right pane.

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Address Shittps://ims.encnetwork.	local/ims/jsf/ui/admin/faces/systemPolicies.jsp	•
B LINCEINTOALE /		<u>.</u>
doctor-bob Administrator	System policies Encentuate Password Policies	
Log off	Self-service Policies	
Setup assistant	➡ Wallet Policies	
Search My users All administrators All revoked users User Policy Templates	Wallet caching option Ask user Image: Comparison of Comparis	
New template Template assignments Training demo template	Interval, in minutes, for synchronization of Wallet with IMS Server	
Machines	Maximum number of consecutive invalid offline logons before cached Wallet is locked out	
Search Machine Policy Templates	5	
New template Template assignments	Automatic logon	
System	Enable 'Never' for enterprise authentication services?	
System policies	Yes 🔻	

- Set "Default automatic sign-on password entry option" to "Automatic".
- Click on the "Update" button below.

- Click on Machine Policy Templates > Template Assignments. Click on "Shared workstation, Private desktop".
- Expand "Shared Workstation Policies" then "Private Desktop Policies" within.
- Under Single instance applications list, type "EXTRA.exe" and click "Add".

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• Click on the "Update" button below.

Installing Encentuate AccessAgent on Terminal Services

The IMS Server has been successfully configured. In this section, you will set up AccessAgent on the Microsoft Terminal Server.

In the Server VM (ENC IMS Domain Server), you will find the AccessAgent Installer. To install and configure AccessAgent for Terminal Server:

- Login to Windows with the user name: administrator and the password: encentuate
- Run the AccessAgent installer provided on the desktop
- Click "Next" to accept the default install folder

🙀 Install Enc	entuate AccessAgent	×
💁 EN C	CENTUATE' AccessAgent	
	Choose a location to install Encentuate AccessAgent.	
	Installation directory	
	C:\Program Files\Encentuate\Browse	
InstallShield —	< Back	

• The installation starts



• Click "Yes" to restart



AccessAgent is now successfully installed on the Terminal Server

Installing Encentuate AccessAgent on an XP Kiosk

The IMS Server and AccessAgent on Terminal Server have been successfully installed. In this section, you will set up AccessAgent on a kiosk PC running Windows XP.

In the Client VM (ENC AA XPSP2), you will find the AccessAgent Installer. To install and configure the AccessAgent as a Private Desktop^{††}:

• Start the Client VM (ENC AA XPSP2) if it is not already started. Note that Windows is automatically logged on with the user name: <u>private</u> and the password: <u>himmss</u>^{‡‡}.

NOTE: the VMWare Tools Utility running in the guest OS conflicts with Encentuate's private desktop operation and therefore has been disabled for this VM. As a result, you must use the key sequence <Ctrl>-<Alt> each time you need to move the mouse cursor out of the AAXP1 VM's window.

- Run the AccessAgent installer provided on the desktop
- Click "Next" to accept the default install folder

🙀 Install Enc	entuate AccessAgent	×
💁 EN C	CENTUATE' AccessAgent	
	Choose a location to install Encentuate AccessAgent.	
	Installation directory	
	C:\Program Files\Encentuate\	
InstaliShield —	<back cancel<="" td=""><td>_</td></back>	_

The installation starts

^{††} Encentuate also provides other means of session management, including Shared Desktop and Roaming Desktop. Private Desktop is unique to Encentuate and provides separate private desktops for each user of a shared workstation.

^{‡‡} The Windows registry AutoAdminLogon and ForceAutoLogon are set to auto logon to the private desktop default local Windows account "private".

🕞 Install Encentuate AccessAgent		
🔁 ENCENTUATE' Access	Agent	
Encentuate AccessAgent is being installed.		
Instalishield —	< Back Next >	Cancel

Click "Yes" to restart



- After the VM restarts, Windows automatically logs on as the user "private" as before. Encentuate now locks the desktop.
- Click "Go to Windows to Unlock". Type himmss as password, then reboot the VM again.
- AccessAgent is now successfully installed on the Client VM.

Registering an Administrator

Now that the server and client software have been set up, the system is ready to be used by end users and administrators. For simplicity, the users will be registered to use the system without strong authentication^{§§}.

To complete the registration of the IMS Administrator:

 On the Client VM (ENC AA XPSP2), click CTRL-ALT-DEL to lock screen if it is not already locked

Note: To send CTRL-ALT-DEL inside a VM, either:

^{§§} Encentuate supports a wide range of strong authentication options including building access badges, iTag, active RFID badges, fingerprint biometrics, USB smart tokens, mobile authentication and one-time password tokens.

- Click on the VMware tool bar VM >Send Ctrl+Alt+Del, or
- Enter <Ctrl>-<Alt>-<Ins> from your keyboard
- Click "...My logon user name is not in the list" then enter the username: <u>doctor-bob</u> and the password: <u>himmss</u>

og On :: Encentuate Access	Agent E'AccessAgent		
Computer Locked February 15, 2008, 2:26 PM Unlock this computer	Enter your Encentuate user name and password to log on. User name: doctor-bob		
	Password:		
	encnetwork		
	1 user logged on		

Note that Bob has been pre-provisioned as an IMS Administrator, Encentuate will now complete the registration process.

• You will be prompted to answer a personal question, which is required for password resets^{***}. Choose a recovery question and enter your secret. Click "OK"

ENCENTUAT	E' AccessAgent	
Computer Locked February 15, 2008, 2:28 PM Unlock this computer	Select a question and enter a secret answer that you are not likely to forget. In case you forget your password, you will need to use this secret answer to help you retrieve your Wallet contents. Question: What's your favorite color?	
	Answer:	

^{***} Encentuate may be configured to require M of N personal questions for password self-service. For simplicity, this setup only requires 1 personal question.

Click "Yes" to cache^{†††} the Encentuate wallet locally on this machine

Log On :: Encentuate Access	Agent E' AccessAgent
Computer Locked February 15, 2008, 2:30 PM Unloc <u>k</u> this computer	Do you want to keep your Wallet stored on this computer after you log off?
	1 user logged on

 Since the administrator wallet was pre-provisioned, for security reasons, you will be asked to update your Encentuate password the first time you login. For simplicity, reenter the same password: <u>himmss</u>. The rest of the document assumes you use the password: <u>himmss</u> for Bob's account. Click "OK"

og On :: Encentuate Access	Agent 'E' AccessAgent
Computer Locked February 15, 2008, 2:31 PM Unlock this computer	You need to set your own Encentuate password. Enter a new password: New password: Confirm password: Confirm password: Confirm Cancel
	1 user logged on

This completes the registration for the IMS Administrator. Bob is now an IMS Administrator

Registering End Users

In this section, Alice will be registered as an end-user:

^{†††} Caching the Encentuate Wallet enables offline use.

- On the Client VM (ENC AA XPSP2), click CTRL-ALT-DEL to lock screen if it is not already locked
- At the Encentuate lock screen, click on "... My logon user name is not in the list"
- Enter user name: <u>nurse-alice</u>, password: <u>himmss</u>

Log On :: Encentuate Access	Agent E' AccessAgent		
Computer Locked February 15, 2008, 6:01 PM	Enter your Encentuate user name and password to log on. User name:		
Unlock this computer	nurse-alice		
	Password:		
	Domain:		
	encnetwork		
	< Back OK 2 users longed on		

Choose a recovery question and enter your secret. Click "OK"

Log On :: Encentuate Access	Agent 'E' AccessAgent
Computer Locked February 15, 2008, 2:28 PM Unlock this computer	Select a question and enter a secret answer that you are not likely to forget. In case you forget your password, you will need to use this secret answer to help you retrieve your Wallet contents. Question: What's your favorite color? What's your favorite fruit? What's your mother's maiden name? Answer:
	UK Cancel

• Choose to cache wallet. Click "OK"

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• This completes the registration of user Alice

Installing AccessStudio for SSO Profile Generation

To enable single sign-on (SSO) for applications, an AccessProfile for the application needs to be generated and uploaded to the IMS server. Most profiles can be auto-generated using the AccessStudio Wizard. You will now install AccessStudio on the Client VM:

- On the Client VM (ENC AA XPSP2), click CTRL-ALT-DEL to lock screen if it is not already locked
- Logon as username: <u>AAXP1\private</u> and password: <u>himmss</u>

- Run the AccessStudio installer provided on the desktop
- Click "Next" and follow the instructions



 Click "Finish" when prompted. AccessStudio is now successfully installed on the Client VM



Profiling a Windows Application for SSO support

Now that AccessStudio has been set up on the Client VM, we can auto-generate the AccessProfiles for applications we intend to single sign on to. In this training sequence, the AccessProfile for Patient Information Manager (PIM) will be auto-generated:

- On the Client VM (ENC AA XPSP2), click CTRL-ALT-DEL to lock screen if it is not already locked
- Logon with the username: doctor-bob and the password: himmss
- Run Start >All Programs >Encentuate AccessStudio >AccessStudio



Click on Tools >Start AccessProfile Generator

On the "Welcome" screen, click "Next"

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 Enter "Patient Info" in the application name field and choose "Windows" for "Application Type"; click "Next"

Application name:	Patient Info
Application type:	Windows (Win32, 16 bit) application
	C Web application C Java applet
	 TTY application (e.g.: PuTTY, SecureCRT) Mainframe or cursor-based application
	Mainframe application with HLLAPI support Other applications
Examples of Windo applications run in applications usually communicating tex	ws applications are Outlook and Lotus Notes. Web Web browsers like Internet Explorer, Mainframe 7 run within a terminal emulator and are cursor-based, t commands with remote hosts or servers.

Select the "Logon" task; click "Next"

•



• Double-click the desktop icon of PIM to start the program

Patient Informatio	on Manager Ielo			_ 🗆 🗙
Login			× ION	MANAGER
Username				
Password		OK Cance	ssage Cente	er
Date of birth SSN No. Address	Wednesday, Se	ptember 26, 2007 💌		
Contact No.	Social History	Madical History	Scanned documer	nts Form Records
Family History	Allergies	Current Medication	Insurance records	Delete Patient

- Click and drag the crosshairs for the following onto the PIM logon screen:
 - o The "User name" crosshair should be dropped at the user name field of PIM
 - \circ $\;$ The "Password" cross hair should be dropped at the password field of PIM $\;$
 - \circ $\,$ The "OK button" cross hair should be dropped at the OK button of PIM $\,$
 - o The "Cancel button" cross hair should be dropped at the Cancel button of PIM

AccessProfile Generator	Patient Information Manager
Identity Screen and Fields for Logon	File Edit View Help
Enter a name: Logon screen 1	ION MANAGER
Drag the crosshairs to the corresponding fields on the application screen.	Username
User name/Id: <u>Edit signature</u> Clear	Passwort
Password: <u>Edit signature</u> Clear	ssage Lenter
OK button:	OK Cancel
Cancel button: Edit signature Clear	SSN No.
Extra field (optional): <u>Edit signature</u> Clear	Address
Edit the title to make it unique and consistent by replacing the variable text with """.	
Screen title:	Contact No.
	New Case/Visit Social History Medical History Scanned documents Form Records
<u>A</u> dvanced settings	Family History Allergies Current Medication Insurance records Delete Patient
< <u>Back</u> <u>N</u> ext.>	

Click "Next"

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• To avoid logon loops when the logon prompt re-appears immediately after log out, select "Ask user" in the drop list and click "Next"

😪 AccessProfile Generator	×
Identify Screens and Fields for Logon	
Screens identified Logon screen 1 Add Delete	
The same logon screen may appear again after logoff. Select an auto-fill option for the same logon screen for subsequent logons. Ask user	
< Back Next Cancel	1

 In the next screen, select "Yes, simply detect the closure of the logon screen" to identify successful logon^{‡‡‡}. Click "Next"

AccessProfile Generator	×
Do you want to identify successful logon to avoid capturing incorrectly-typed credentials? No Yes, identify the screen that appears upon successful logon. Unique screen text for identification (optional) Drag the crosshair onto a text string, field or button on the screen that can uniquely identify the screen together with the screen title. <u>Edit signature</u> Clear signature Edit the title or text to make it unique and consistent by replacing the variable text with """. Screen title: Text:	
Yes, simply detect closure of the logon screen. < <u>Back</u> <u>Next></u> <u>Cance</u>	el]

^{‡‡‡} Encentuate can be configured to recognize a successful login before storing an application credential. In this case, closure of the Patient Information Manager log on screen indicates successful login.

Choose "Create one for me automatically" to automatically create an authentication service^{§§§}.

😪 AccessProfile Generator	×
Select or Create Authentication Service	
Select an authentication service which this application uses to validate logon credentials.	
C Use a previously created authentication service.	
auth_Patient Info	
An authentication service contains information about the application or website that validates the user name and password used for logon.	
< <u>B</u> ack <u>Einish</u>	ancel

• Click "Finish". This completes the profile generation for PIM.

If you made an error in the above profile generation:

•

• Right click on the profile in the left pane of AccessStudio and select "Delete"



^{§§§} Most applications are configured to authenticate against their own user stores, however some may rely on a common directory service for authentication. This step allows you to specify the authentication service for the application.

• Repeat the steps in this section to re-generate the profile

To test the profile generated:

- Exit PIM without login.
- In AccessStudio, click on menu Test >Start.

🙀 Encentuate AccessStudio [Mod	e: Edit] [New file*] - [AccessProfiles]	
💁 File View Test Tools Help		. 8 ×
access_prc Start F5 Stop Shift+F5 site_info simple_sso_support profile_Puty b- site_info simple_sso_support profile_Application8 f- site_info simple_sso_support	Overview Form Editor XML Editor XML Viewer State-Engine Viewer Application name: Application8 Application Application Application type: Mainframe application Application Application Last modified: Not available Application8 Application8	
Tips		p ×
About the currently selected node Possible next steps Upload to IMS. Convert the standard AccessP automation.	:: Specify identification information for the AccessProfile. rofile to an advanced one to enable support for complex workflow.	
Opened a new file	Mode:	Edit //

- Launch PIM again. Enter username: doctor-bob, password: encentuate.
- Click on "Yes" when prompted to save credentials into wallet "".



• Exit and re-launch PIM. Observe that Encentuate now single signs-on to PIM

In Test Mode, the credentials are only saved in a test wallet and will not affect the actual contents of the wallet. This protects against any errors; it also means that the credentials have to be re-captured once the profile is published.

In AccessStudio, right click on "Profile_Patient Info" and choose "Upload to IMS" to publish the profile.



Close AccessStudio when finished

Profiling a TTY Application for SSO support

To enable single sign-on (SSO) for TTY applications, an AccessProfile for the application needs to be generated and uploaded to the IMS server. Most profiles can be auto-generated using the AccessStudio Wizard. In this training sequence, the AccessProfile for PuTTY, a common TTY application, will be auto-generated:

- On the Client VM (ENC AA XPSP2), click CTRL-ALT-DEL to lock screen if it is not already locked
- Logon as username: doctor-bob and password: himmss
- Click on Start >All Programs >Encentuate AccessStudio >AccessStudio
- Since there is already a predefined profile for PuTTY on the IMS, we need to remove it before we continue. Here are the removal steps:
 - 1. Click on File > Import Data from IMS
 - 2. Scroll down the left pane to find sso_site_wnd_putty
 - 3. Right click to delete it; click Yes to prompt to also remove from IMS.
 - 4. Click on File > New to clear the session data.

- Click on menu Tools >Start AccessProfile Generator
- In the "Welcome" screen, click "Next"
- Enter "PuTTY" in the application name field and select "TTY" as the application type; click "Next"

Enter a name for yo	ur application and select a type that fits it best.
Application name:	PuTTY
Application type:	C Windows (Win32, 16 bit) application
	C Web application
	C Java applet
	• TTY application (e.g.: PuTTY, SecureCRT)
	C Mainframe or cursor-based application
	C Mainframe application with HLLAPI support
	C Other applications
Examples of Windor applications run in a applications usually communicating text	ws applications are Outlook and Lotus Notes. Web Web browsers like Internet Explorer, Mainframe run within a terminal emulator and are cursor-based, commands with remote hosts or servers.

- In the "Select Task to Automate" screen, select task as "Logon"; click "Next"
- Double-click on the PuTTY icon located on the desktop to run it
- Choose the "ims" session and click "Open"

Session	Basic options for your PuTTY s	ession
Logging	Specify your connection by host name of	IP address
lerminal	Host Name (or IP address)	Port
- Neyboard Poll		22
- Features	Protocol:	100
Window	C Baw C Telnet C Rlogin	€ <u>s</u> sh
Selection Colours Connection Data	Default Settings ims	Load
Proxy		
- Telnet - Rlogin ⊡-SSH		Delete
Kex	Close window on exit: C Always C Never © Only on	clean exit

• In the AccessProfile Generator, click and drag the cross hair onto Putty's TTY screen.

login as:	21-
	login as:

Click "Next"

• In the "Specify Actions for Logon" screen, click "Next" to accept the default action

AccessProfile Generator Specify Actions for Logon Select a set of actions and a for logon to the application	arrange them in the correct order
already selected or change the Available actions:	ne order.
Enter user name Enter password Enter bind field Press Enter Wait for prompt: login Wait for prompt: other>	Add >> Remove Wait for prompt: login Enter user name Press Enter Wait for prompt: password Enter password Press Enter Move Up Move Down
	< <u>B</u> ack <u>N</u> ext > <u>C</u> ancel

- In the "Identify Successful Logon" screen, select "No". Click "Next"
- In the "Select or Create Authentication Service" screen, select "Create one for me automatically". Click "Next"
- Click "Finish". This completes the profile generation for PuTTY

To test the profile generated:

- Exit PuTTY without login.
- In AccessStudio, click on menu Test >Start.
- Launch PuTTY again. Enter user name: doctor-bob, password: himmss.
- Click on "Yes" when prompted to save credentials into wallet.
- Exit PuTTY. Launch it yet again. Observe that Encentuate now single signs-on to the PuTTY.
- In AccessStudio, right click on "Profile_PuTTY" and choose "Upload to IMS" to publish the profile.
- Close AccessStudio when finished.

Profiling a Mainframe Application for SSO support

To enable single sign-on (SSO) for mainframe applications, an AccessProfile for the application needs to be generated and uploaded to the IMS server. Most profiles can be auto-generated using the AccessStudio Wizard. In this training sequence, the AccessProfile for Attachmate (AS400), a common mainframe application, will be auto-generated:

- On the Client VM (ENC AA XPSP2), click CTRL-ALT-DEL to lock screen if it is not already locked
- Logon as username: <u>doctor-bob</u> and password: <u>himmss</u>
- Click on Start >All Programs >Encentuate AccessStudio >AccessStudio
- Click on menu Tools >Start AccessProfile Generator.
- In the "Welcome" screen, click "Next"

• Enter "AS400" in the application name field and select "Mainframe or cursor-based" as the application type; click "Next"

Application name:	ur application and select a type that hits it best.
Application type:	C Windows (Win32, 16 bit) application
ALC: STORE OF ST	O Web application
	⊂ Java applet
	C TTY application (e.g.: PuTTY, SecureCRT)
	Mainframe or cursor-based application
	C Mainframe application with HLLAPI support
	C Other applications
Examples of Windor applications run in 1 applications usually communicating text	ws applications are Uutiook and Lotus Notes. Web Web browsers like Internet Explorer. Mainframe run within a terminal emulator and are cursor-based, commands with remote hosts or servers.

- In the "Select Task to Automate" screen, select task as "Logon"; click "Next"
- Double-click on desktop icon AS400 Session to start it.

👰 AS400 Demo Sessior	ı - EXTRA! X-treme				_ 🗆 ×
<u>Eile E</u> dit <u>V</u> iew <u>T</u> oo	ols <u>S</u> ession <u>O</u> ptions	Help			
	1 A B 9 W] 🌈 🖨 🔿	û 🖪	😤 🖪 🖻 🔍 🗹	22 24 💦 💂
		si	gn On	System Subsystem Display	. : DTP400 . : QINTER . : QPADEV0007
	User Password . Program/proc Menu Current libr	 edure ary			
<u>Attachmate C</u> AS/400 300	orporation v3R1M0			AS/400 ASSISTANC Please call x99 Evening/weekend	<u>e and Support</u> 99 or 999-9999 s: 111-1111
06/53	SA MW	KS	(c) IM	COPYRIGHT IBM CORP	. 1980, 1994.
Enter your name and "DEMO	05250" to l			Keys: 0027 Saved: 0000	SCRL 12:40 PM

 In the AccessProfile Generator, click and drag cross hair onto AS400 Session's black/green display; Click "Next"



AS400 Demo Session	n - EXTRAI X-treme				
Ele Edt Yew Ico	als Session Options	500 🏓 au -ua	- 12 13	S B B O G C Z	8 8
		St	gn On		No.
				System Subsystem Display	: DTP400 1 QINTER 1 QPADEV0007
_	Program/proce	dure			
	Current libra	ry			
Attachmate C	orporation				
AS/400 300	v3R1M0			Please call x9999 Evening/weekends:	or 999-9999 111-1111
			(c)	COPYRIGHT IBM CORP. 3	1980, 1994.
06/53	MM	KŞ.	1 M	11 K0	and the second second second second
Enter your name and "DEM	06250" to 1			Keys: 0027 Saved: 0000	SCR1 12:40 PM

- In the "Identify Screen for Logon" screen,
 - o Enter "User" and click "Add"
 - o Enter "Password" and click "Add"
 - o Click "Next"

😪 AccessProfile Generator	×
Identify Screen for Logon	
Provide one or more text strings (case sensitive) that appear on the screen and can jointly identify the screen accurately. Example 1. LISEPto:	
Example 2. USERID.	
User Password Remove	
< <u>B</u> ack <u>N</u> ext> <u>C</u> ance	

• In the next screen, accept the default sequence of actions. Click "Next"

😪 AccessProfile Generator	×
Specify Sequence of Actions for Logon	
Select a set of actions and arrange them in the correct order for logon to the application. You may modify the list of actions already selected or change the order. Available actions: Enter user name Enter thurd field Press Enter Press Tab Wait 1.0 sec Wait 2.0 secs	
Advanced settings (optional) Maximum length in characters Move Up User name User name Password Unlimited Unlimited User name Password Unlimited User name Password Unlimited User name Nove Down Nove Down Nove Down Third field Unlimited User name Nove Down Third field Unlimited User name Nove Down Nove Down	
< <u>B</u> ack <u>N</u> ext > <u>C</u> ance	

• In the "Identify Successful Logon" screen, select "No". Click "Next"

- In the "Select or Create Authentication Service" screen, select "Create one for me automatically". Click "Next"
- Click "Finish". This completes the profile generation for AS400.

To test the profile generated:

- Exit AS400 without login
- In AccessStudio, click on menu Test >Start
- Launch AS400 Session again. Enter user name: bob, password: DEMO5250.
- Click on "Yes" when prompted to save credentials into wallet
- Exit AS400. Launch it yet again. Observe that Encentuate now single signs-on to the AS400
- In AccessStudio, right click on "Profile_AS400" and choose "Upload to IMS" to publish the profile
- Close AccessStudio when finished.

Profiling a Web Application for SSO support

Encentuate can single sign-on to most Web applications without an AccessProfile. Where necessary, an AccessProfile for the web application may be auto-generated and uploaded to the IMS server. In this training sequence, the AccessProfile for Medscape, a popular web medical application, will be auto-generated:

- On the Client VM (ENC AA XPSP2), click CTRL-ALT-DEL to lock screen if it is not already locked
- Logon as username: doctor-bob and password: himmss
- Click on Start >All Programs >Encentuate AccessStudio >AccessStudio
- Click on menu Tools >Start AccessProfile Generator
- Enter "Medscape" in the application name field and select "Web" for application type; click "Next"

Enter a name for yo	ur application and select a type that fits it best.
Application name:	Medscape
Application type:	Windows (Win32, 16 bit) application
	Web application
	C Java applet
	C TTY application (e.g.: PuTTY, SecureCRT)
	Mainframe or cursor-based application
	C Mainframe application with HLLAPI support
	Other applications
applications run in applications usually communicating text	Web browsers like Internet Explorer. Mainframe run within a terminal emulator and are cursor-based, commands with remote hosts or servers.

- In the "Select Task to Automate" screen, select task as Logon; click "Next"
- Double-click on desktop icon Medscape Online to start it



- Click and drag the cross hair for the following onto the Medscape logon screen:
 - The "User name" cross hair should be dropped at the user name field of Medscape.
 - o The "Password" cross hair should be dropped at the password field of Medscape
 - o The "OK button" cross hair should be dropped at the Log In button of Medscape

o Click "Next"

AccessProfile Generator	Medscape: Free CME, Medical News, Full-text Journal Articles & More - Microsoft Internet Explorer	.01
	Ele Edit View Favorites Iools Help	1
Identify Screen and Fields for Logon	3 Rack - 3 - 🗷 2 🏠 🔎 Search 👷 Parantes 🔗 👶 - 🛬 🗔 🔧	
	Ağtınız 👔 hiter //www.medicape.com/home 🔹 🔯 Ga	Links ¹
Enter a name: Logon screen 1	[ACP Medicine]] MedGenMe	d e Jour
Drag the crosshairs to the corresponding fields on the application screen. User name/Id: Edit signature Clear	Medscape	1
Password: Edit signature Clear	Search Medscape, MEDLINE and Drug Reference Search Newsletters Log In Rey	pister ,
OK button: Edit signature Clear	Password Reweiner ve Login rates annual New Untra PREPage	gistutio
Cancel button: Edit signature Clear	SPECIALTY SITES Browse Mediscape's Resource Centers - Collections of Key Clinical Content	
Extra field (optional):	Auergy's Clinical Immunology Latest News >>	KHL RS
Edit the title to make it unique and consistent by replacing the variable text with """	Business of Medicine Clinician Time Spent on Preventive Health Examinations May Outweigh Benefit to Patient Arefolder Medicar Veres, September 28, 2007	ts
Screen title:	Dermatology Preventing Prostate Cancer Becoming a Reality Medicage Medical News, Structure 23, 2007	
	Emergency Medicine CME FDA Safety Changes: Fluoroquinolones and Other Antimicrobial Drugs Family Modicine Keducar Medical News, Sedencer 26, 2007	
<u>A</u> dvanced settings	Gastroenterology CME Self Reported Medication Adherence Important Medicacye Medical News, September 25, 2007	
<u>< B</u> ack <u>N</u> ext> <u>C</u> ancel	1	1 11

- In the "Identify Screens and Fields for Logon" screen, click "Next" to accept the default action
- In the "Identify Successful Logon" screen, select "No". Click "Next"
- In the "Select or Create Authentication Service" screen, select "Create one for me automatically". Click "Next"
- Click "Finish". This completes the profile generation for Medscape

To test the profile generated:

- Exit Medscape by closing the browser.
- In AccessStudio, click on menu Test >Start.
- Launch Medscape Online again. Enter user name: doctor-bob, password: encentuate.
- Click on Yes when prompted to save credentials into wallet
- Exit Medscape Online. Launch it yet again. Observe that Encentuate now single signson to the Medscape.
- In AccessStudio, right click on "Profile_Medscape" and choose "Upload to IMS" to publish the profile.
- Close AccessStudio when finished.

Testing the End-user Functionalities

Now that the server and client environments have been set up, applications have been profiled for single sign-on, and users have been registered, you can now test drive the system as an enduser. However, note that except for the AD credentials stored during registration, Bob's and Alice's Encentuate Wallets are empty as no application credentials have yet been captured for them. In the following training sequence, Bob and Alice will use their applications as they normally do, and the application credentials will be transparently captured as they use their applications ^{††††}; Encentuate will automatically single sign-on to the applications the next time these applications are run.

- On the Client VM (ENC AA XPSP2), send CTRL-ALT-DEL to lock screen if it is not already locked. This simulates a typical kiosk waiting for user login
- Click "...My logon user name is not in the list" then enter username: <u>doctor-bob</u> and password: <u>himmss</u>

Computer Locked :: Encentu	ate AccessAgent 'E' AccessAgent
Computer Locked February 15, 2008, 1:57 PM Unloc <u>k</u> this computer	Select your user name, enter the password, and then click OK to unlock. User name: AAXP1\Private My logon user name is not in the list Password:
	1 user logged on

- Double click on Patient Information Manager on Bob's desktop. Enter user name: <u>doctor-bob</u>, password: <u>encentuate</u>.
- Click on Yes when prompted to save credentials into wallet.
- Exit Patient Information Manager. Launch it yet again. Observe that Encentuate now single signs-on to the Patient Information Manager.
- Double click on Attachmate. Enter user name: bob, password: DEMO5250

⁺⁺⁺⁺ Alternatively, Encentuate can be integrated with provisioning systems and application credentials can be pre-provisioned into the users' Encentuate wallets.

- Click on Yes when prompted to save credentials into wallet.
- Exit Attachmate. Launch it yet again. Observe that Encentuate now single signs-on to Attachmate.
- Exit Attachmate.
- Double click on RDP to login to the Roaming Desktop on the Terminal Server.
 - Note the AD credential is automatically inserted into the screen below and the remote session is started without another login prompt.

😻 Remote Desktop Connection	_ 🗆 X
Remote Desktop Connection	
General Display Local Resources Programs Experience Logon settings Type the name of the computer, or choose a computer from the drop-down list. Computer: wts2k Image: Computer: User name: doctor-bob Password: encnetwork Domain: encnetwork Save my password Connection settings Save current settings, or open saved connection. Save As Opgn	1
Connect Cancel Help Opt	ions <<

Note that Encentuate is preconfigured to single sign-on to RDP using AD credentials by default and no custom AccessProfile is required.

• On the remote desktop, double click on Attachmate. Observe that Encentuate single signs-on to Attachmate.

E .	🖉 wts2k 🗕 🗗 🗙
AS400 Session	
	AS400 Demo Session - EXTRA! X-treme
2	Elle Edit View Tools Session Options Help
PuTTY	
	Sign On System: DTP400
<i>i</i>	Subsystem : QINTER Display : QPADEVO007
CRM Software	Usen
	Program/procedure
e	Current library
Customer Care	tient Info
	Attachmate Corporation AS/400 Assistance and Support
	AS/400 300 V3R1MO Please call x9999 or 999-9999 Evening/weekends: 111-1111
P	(C) COPYRIGHT TBM COPP 1980 1994
Trident	
	Enter your
5	
logon-physici	Recycle Bin
🍂 Start 👲	EXTRA! X-treme

Note the single sign-on and the pass-through authentication from the Client VM to the Terminal Server to Attachmate on the roaming desktop. With Encentuate, users need only sign-on once even as they move from one server to another; supporting true single sign-on.

• Click on the [x] icon on the Remote Desktop to close the desktop. When prompted, click "OK" to close.

• You are back on the local desktop, and should see the following applications which you previously opened:

Internet aa-3.4.2.0			Medscar Local	De
📮 📁				
AS400 Session aa-3.5.2	Patient Informat	on Manager	X Medscap Online	be ;
PuTTY AccessStud	P /	TIENT INFORMATIC	ON MANAGER	nfo
	Current User	doctor-bob		
20	Select Patient	Schmidt, Anthony	age Center	
Remote Desktop	Chart No.	FONMA2003 Allerg	gic to antihistamines.	
	Date of birth	Wednesday, July 16, 1980 💌		
2	SSN No.	222-35-1908		
CRM Software On Demand	Address	150 Essex St., Brooklyn, New York - 10980		
Customer Care	Contact No.	212-364-1754(M)	durante fun Daurt	
	INEW Case/Visit	<u>Social History Medical History Scanned (</u>	documents Form Hecords	
	Family History	Allergies <u>Current Medication</u> Insurance	<u>a records</u> <u>Delete Patient</u>	
National and				
				e
🎒 Start 🔲 Patient Info	ermation		💁 🗐 4:32 F	РМ

- If Alice wants to use this kiosk PC while Bob is away and screen is locked, she simply clicks "...My logon user name is not in the list" then types her user name and password on the Encentuate lock screen, and she is logged on her own desktop while Bob's desktop and open applications are preserved until he returns. To take over the desktop, send CTRL-ALT-DEL to the desktop^{‡‡‡‡} (enter CTRL-ALT-INS from your keyboard) if it is not already on lock screen
- Click "...My logon user name is not in the list" then logon as username: <u>nurse-alice</u> and password: <u>himmss</u>
- Note that her own desktop appears with no app open (click on "Start" to see user's account name).
- Double click on Medscape. Enter user name: nurse-alice, password: encentuate.

⁺⁺⁺⁺ If strong authentication is used, all that Alice has to do is to swipe her finger or tap her badge.

- Click on Yes when prompted to save credentials into wallet
- Exit Medscape. Launch it yet again. Observe that Encentuate now single signs-on to the Medscape.
- Send CTRL-ALT-DEL to screen lock the desktop.

Now when Bob returns, he simply clicks on his user name and types his password. He will then see the desktop with Patient Information Manager opened – exactly where he left his private session. If Bob then walks away and Alice returns to login again, she will see her own desktop with a Medscape browser session as she last left it. The private desktop mode provides fast user switching for multiple users sharing a kiosk while ensuring single sign-on for all users. It does this without the disruptive closure of running applications and session logoff with each user switch.

Testing the Administrator Functionalities

Now that the installation is complete, applications have been profiled, users are registered and you have test drove the system as an end user, you can now test drive the centralized web administration interface:

- On the Client VM (ENC AA XPSP2), click CTRL-ALT-DEL to lock screen if it is not already locked. This simulates a typical kiosk waiting for user login
- Logon as username: <u>doctor-bob</u> and password: <u>himmss</u>

Log On :: Encentuate Access	Agent E* AccessAgent	
Computer Locked February 15, 2008, 2:26 PM	Enter your Encentuate user name and password to log on. User name:	
Unlock this computer	doctor-bob	
	Password:	
	1804	
	Domain:	
	encnetwork 💌	
	< Back OK	

- Double click the AccessAdmin icon.
- Select the AccessAdmin link (only one on the left pane).

• In the search page, enter "d*" in the search field and click "Search"

🛍 Encentuate AccessAdmin - Mic	rosoft Internet Explorer	_ 8 ×
<u>File Edit View Favorites To</u>	ools Help 🛛 🔇 Back 🔹 🕘 👻 😰 🏠 🔎 Search 🔆 Favorites 🥙 🎯 👟 🤤 🚍	-
Address Address //ims.encnetwork.	local/ims/jsf/ui/admin/faces/generalPage.jsp?id=searchEncUsersId&name=Search%20users&page=searchEnc	🛃 Go
Links 🙋 AccessAdmin 🛯 🙋 IMS Con	nfig 🔞 Medscape Local	
💁 ENCENTUATE' /	AccessAdmin	
doctor-bob	Search for users	
Administrator	Courte for	
Log off	Search for.	
Setup assistant	Search by:	
Search Users	Enterprise user name	
Search	Mobile ActiveCode phone number	
My users All administrators		
All helpdesks All revoked users	Search	
User Policy Templates		
New template		
Template assignments		
Machines		
Search		
Machine Policy Templates		
New template Template assignments		•
1	🔒 🔮 Internet	

 AccessAdmin provides policy templates that can be assigned to different user groups. Bob's template is displayed below

Encentuate AccessAdmin - M	icrosoft Internet Explorer	_8
<u>File Edit View Favorites</u>	Iools Help 🛛 🔇 Back 🔹 🕥 👻 😰 🏠 🔎 Search 👷 Favorites 🤣 🎰 😓	A.
Address 🙋 https://ims.encnetwor	k.local/ims/jsf/ui/admin/st_user_display_page.jsp	
🙆 ENCENTUATE'	AccessAdmin	
doctor-bob Administrator	encnetwork.local/doctor-bob	
Log off	Audit logs Authentication services User Profile	
Setup Assistant Search users	Name (first last): Doctor Bob	_
Search My users All administrators All helpdesks All revoked users	Last name: Bob E-mail address: doctor-bob@encnetwork.local	
User policy templates	Enterprise user name:	
New template Template assignments Training demo template	encnetwork.locafidoctor-bob	
	User principal name:	
Machines	doctor-bob@encnetwork.local	
searcn Machine policy templates	Mobile ActiveCode phone number:	
New template Template assignments	Country code Area code Phone number	
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• Click through various sections to get a quick tour of policy types.

- Encentuate also provides centralized SQL reporting. Encentuate AccessAgent
 automatically tracks user activities from each end-point, including what applications they
 login to, who they login as, when they login, and from where. This is collated centrally in
 the SQL database used by IMS.
- To see a sample report:
 - Click on "User Information" in the Reports section on the left pane
 - Click on "User Signed-up" to report on new users registered.

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🙆 ENCENTUATE	* AccessAdmin	
doctor-bob Administrator	Search audit logs	
Log off	Encentuate user name (separate multiple values with commas): *	
Setup Assistant Search users	Event: OTP ActiveCode initialization Stors cached Wallet on bard disk or Encentrate USB Key	
Search My users All administrators All helpdesks All revoked users User policy templates	Revoke user Sign up user Search by a date range or by preceding days:	
New template Template assignments Training demo template	Search From: 10 Feb 2008 12:00 PM to: 21 Feb 2008 12:00 PM C Search by preceding days:	
Search Machine policy templates	Page size: C 10 © 20 C 30 C 50 C 80 C 100	
New template Template assignments		
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o Click "Search" to generate the report

Created at: 20 Feb 2008, 04:59PM Records: 1 - 1 of 1	•	
Records: 1 - 1 of 1 20 records per page		
		Page 1
Seq. no. Encentuate user Display name Event Res	sult	Time of activity
1 encnetwork.local\nurse Nurse Alice Sign up user -alice	s	20-02-2008 04:02PM
Events: Duration: Sign up user From 01 Feb 2008, 12:00PM to 21 Feb 2008, 12:00PM		Page 1

Encentuate provides centralized SQL logging and it works with major SQL reporting engines to provide centralized SQL reporting.

What you have learned

If you have successfully completed the training scenarios above, you have learned:

- How to install and setup an IMS server to work with Microsoft Active Directory
- How to install and setup AccessAgent on Microsoft Terminal Services to provide Roaming Desktops
- How to install and setup AccessAgent on Windows XP, configured to work in Private Desktop mode
- How to install AccessStudio and profile the following example applications for Single Sign On:
 - o A Windows 32 application
 - o A teletype (TTY) application

- A mainframe green screen application
- A web application
- How to register an administrator Bob and an end user Alice
- How to operate the system as an end-user: Bob and Alice, and
- How to operate the system as an Administrator.

For more in-depth training, please contact Encentuate for formal training courses.

About Encentuate

Encentuate is a leading provider of enterprise end-point identity and access management solutions that help customers cost effectively simplify access to corporate information, strengthen security, and track compliance at enterprise end points without requiring changes to existing IT infrastructure. Encentuate is headquartered in Silicon Valley, Calif. and has offices across North America and in Singapore. Encentuate's customers span a range of industries, including healthcare, biotechnology, government and financial services. In 2007, SC Magazine named Encentuate IAM the **best identity management solution**. Previously, Encentuate was also recognized by SC Magazine as the **best single sign-on** and **best two-factor authentication solution**. More information about Encentuate is available at www.encentuate.com or by calling +1.866.362.3688.

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