

在流動裝置上使用Citrix Receiver的ASA無客戶端訪問配置示例

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簡介

本文檔介紹如何將思科自適應安全裝置(ASA)配置為流動裝置上Citrix Receiver的代理。此功能為在流動裝置上運行的Citrix Receiver應用程式提供通過ASA對XenApp/XenDesktop虛擬案頭基礎設施 (VDI)伺服器的安全遠端訪問，從而消除對Citrix訪問網關的需求。

必要條件

需求

思科建議您瞭解以下主題：

- Citrix Receiver
- 無客戶端WebVPN

基礎設施要求：

- ASA必須具有流動裝置信任的有效身份證書。
- 必須在Citrix XenApp/XenDesktop/Storefront伺服器上啟用和配置XML介面。

採用元件

本文件所述內容不限於特定軟體和硬體版本。

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除（預設）的組態來啟動。如果您的網路正在作用，請確保您已瞭解任何指令可能造成的影響。

支援的流動裝置

以下是支援的行動裝置清單：

- iPad - Citrix Receiver 4.x或更高版本
- iPhone/iTouch - Citrix Receiver 4.x或更高版本
- Android 2.x電話 — Citrix Receiver 2.x或更高版本
- Android 3.x平板電腦 — Citrix Receiver 2.x或更高版本
- Android 4.0/4.1電話/平板 — Citrix Receiver 2.x或更高版本

演示

要檢視此過程的演示，請訪問以下網頁：

[Cisco ASA 9.0 Citrix移動接收器代理演示](#)

背景資訊

傳統上，Citrix訪問網關(CAG)是提供對虛擬化Citrix資源（案頭和應用）的安全遠端訪問的唯一方式。在典型的部署中，此類裝置將位於非軍事區(DMZ)中的防火牆後面。此功能增加了ASA功能，以支援從流動裝置到虛擬資源的安全遠端連線。

傳統部署需要具有CAG（通常位於防火牆後面）：



藉助ASA，不使用CAG即可連線到內部Citrix資源：



為了使ASA能夠代理從Citrix Receiver到Citrix Server的連線，ASA模擬Citrix Access。

網關：

1. 當您嘗試連線到Citrix虛擬化資源時，無需提供Citrix Server的地址/憑據；而是輸入ASA的安全套接字層(SSL)VPN IP地址和憑證。
2. 建立新的ASA處理程式以處理請求，包括來自Citrix Receivers的身份驗證請求（具有將自身標識為Citrix Receiver的代理字串的HTTPS請求）。
3. ASA驗證憑證後，接收方客戶端開始通過ASA檢索授權應用。ASA重寫和代理到XenApp或XenDesktop伺服器的XML服務介面（XML服務是在服務於虛擬化資源相關請求的Citrix伺服器上運行的服務）。
4. ASA使用預配置的憑據連線到VDI伺服器並進行身份驗證（請參閱「配置」部分）。將憑證傳送到後端XenApp/XenDesktop伺服器時，ASA始終使用Citrix CTX1編碼對使用者密碼進行模糊處理。

以下是支援Citrix Receiver的ASA身份驗證方法清單：

- 本地
- 域
- 使用SDI本機協定的RSA SecurID。
ASA還支援質詢模式，包括下一個令牌、新PIN和過期PIN模式。
- 二元身份驗證(RSA和輕量級目錄訪問協定(LDAP))

限制

- 證書限制：
不支援將證書/智慧卡身份驗證作為自動登入的方法，因為這些身份驗證形式不允許中間的ASA。

由於安全問題，證書中的Md5簽名不起作用，並且是iOS平台上的問題。有關詳細資訊，請參閱[Receiver for iOS Error:連線錯誤。Citrix Receiver無法建立與遠端主機討論的連線。](#)

如果使用者名稱與ASA完全限定域名(FQDN)不完全匹配，即使ASA身份證書包含使用者替代名稱(SAN)，獨立計算體系結構(ICA)會話也不會啟動（根據版本，可能會顯示證書錯誤）。此問題已由思科錯誤ID [CSCuj23632](#)修復。

- Citrix Receiver客戶端一次僅訪問一個XenApp/XenDesktop伺服器。因此，每個VPN會話的ASA代理還會請求一個XenApp/XenDesktop。當Citrix Receiver客戶端連線時，ASA選擇配置的第一個XenApp/XenDesktop。
- 不支援HTTP重定向，因為Citrix Receiver應用程式的當前版本不能使用重定向。
- 使用獨立/移動客戶端時，不支援客戶端證書驗證、密碼到期通知、Cisco Secure Desktop(CSD)和CSD中的所有內容（不只是Secure Vault），因為獨立/移動虛擬化基礎設施客戶端不瞭解這些概念。

設定

附註：使用[命令查詢工具](#)（僅供[已註冊](#)客戶使用）可獲取本節中使用的命令的更多資訊。

CLI命令

使用Citrix Receiver移動客戶端登入ASA時，ASA必須將其連線到預定義的Citrix XenApp或XenDesktop伺服器。為此，管理員在組策略或使用者名稱下配置Citrix伺服器的地址和登入憑據。如果同時配置了使用者名稱和組策略CLI，則使用者名稱設定優先於組策略。

```
configure terminal
group-policy DfltGrpPolicy attributes
webvpn
[no] vdi { none | type <vdi_type>url domain username
password <password>}
```

```
configure terminal
username <username> attributes
webvpn
[no] vdi { none | type <vdi_type>url domain username
password <password>}
```

附註：

type - VDI的型別。對於Citrix Receiver，型別必須為**citrix**。

url - XenApp或XenDesktop伺服器的完整URL，包括HTTP或HTTPS、主機名、埠號以及XML服務的路徑。主機名和XML服務路徑可以包含無客戶端宏。如果未提供XML服務路徑，則使用/Citrix/pnagent/的預設路徑。

username — 用於登入到虛擬化基礎架構伺服器的使用者名稱。這可以是無客戶端宏。

password — 用於登入到虛擬化基礎架構伺服器的密碼。這可以是無客戶端宏。

domain — 用於登入到虛擬化基礎架構伺服器的域。這可以是無客戶端宏。

附註： XenAPP伺服器通常配置為監聽埠80，因此VDI應該配置HTTP而不是HTTPS。

Citrix Mobile Receiver使用者在通過ASA進行身份驗證時可以選擇隧道組。隧道組選擇允許支援不同的身份驗證協定和XenApp/XenDesktop伺服器進行VDI訪問。管理員可以將隧道組配置為VDI訪問的預設值。當使用者沒有選擇隧道組時，使用此已配置的隧道組：

```
configure terminal
webvpn
[no] application-type default tunnel-group
```

- *application_name* — 應用程式名稱。目前唯一支援的應用是**citrix-receiver**。
- *tunnel-group-name* — 要用作指定型別的VDI訪問的預設值的當前隧道組的名稱。

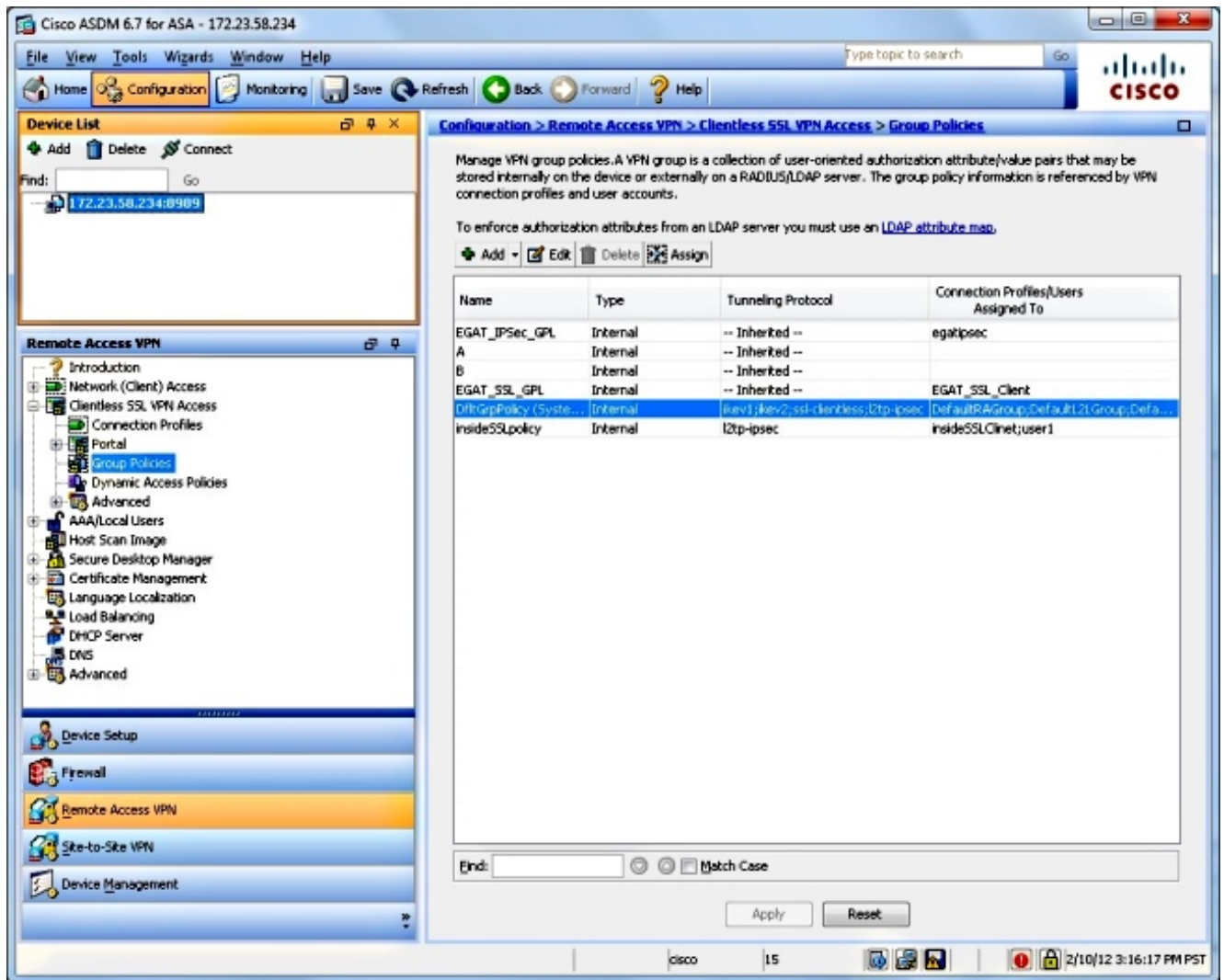
組態範例

以下是有效的VDI配置示例：

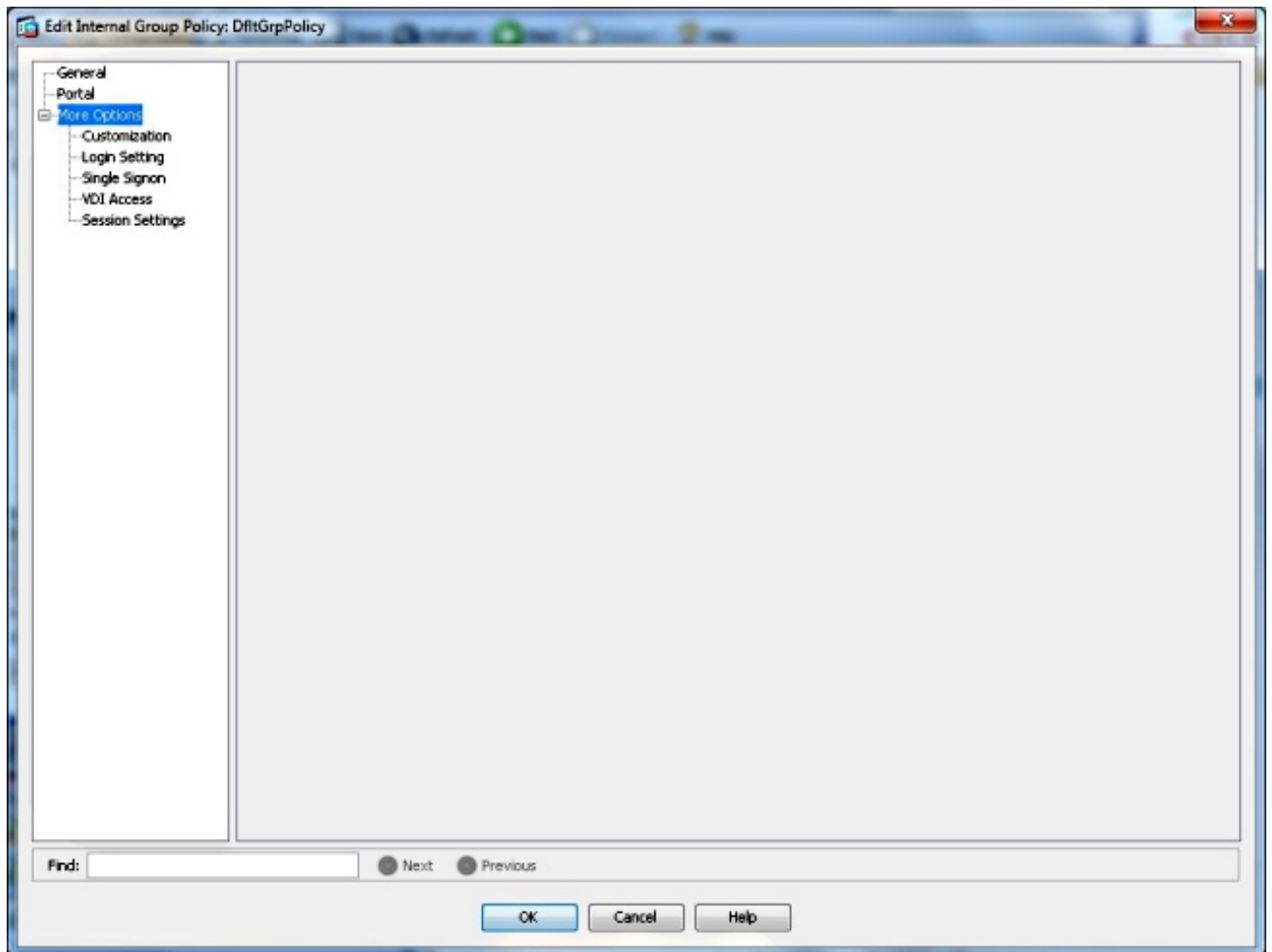
```
vdi type citrix url http://192.168.1.2 domain domain1 username user1 password pass1
vdi type citrix url https://192.168.1.2/Citrix/pnagent1/ domain domain2 username
username2 password password2
vdi type citrix url http://192.168.1.2:8080/Citrix/pnagent3 domain CSCO_WEBVPN_MACRO1
username CSCO_WEBVPN_USERNAME password CSCO_WEBVPN_PASSWORD
```

自適應安全裝置管理器(ASDM)配置

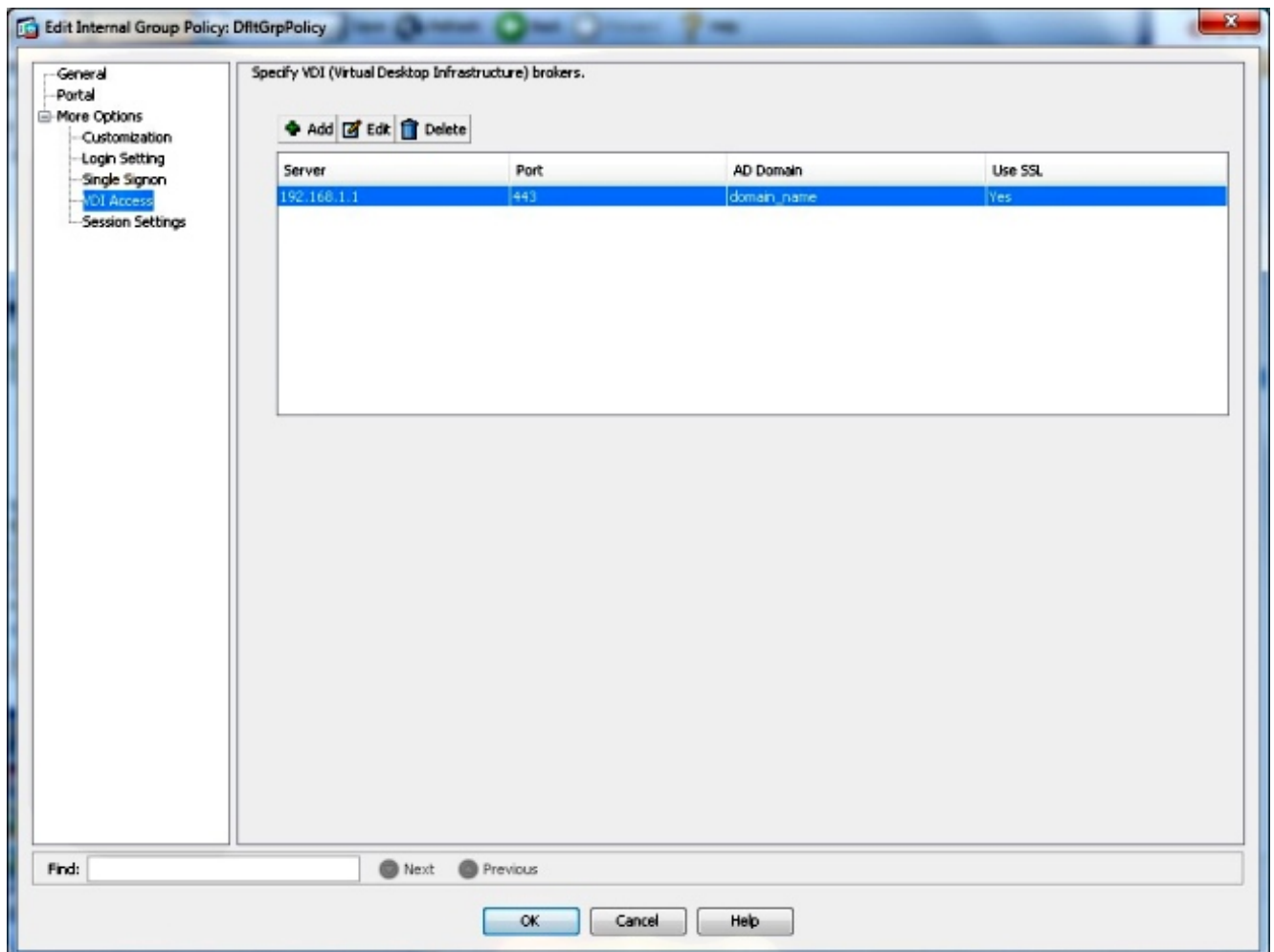
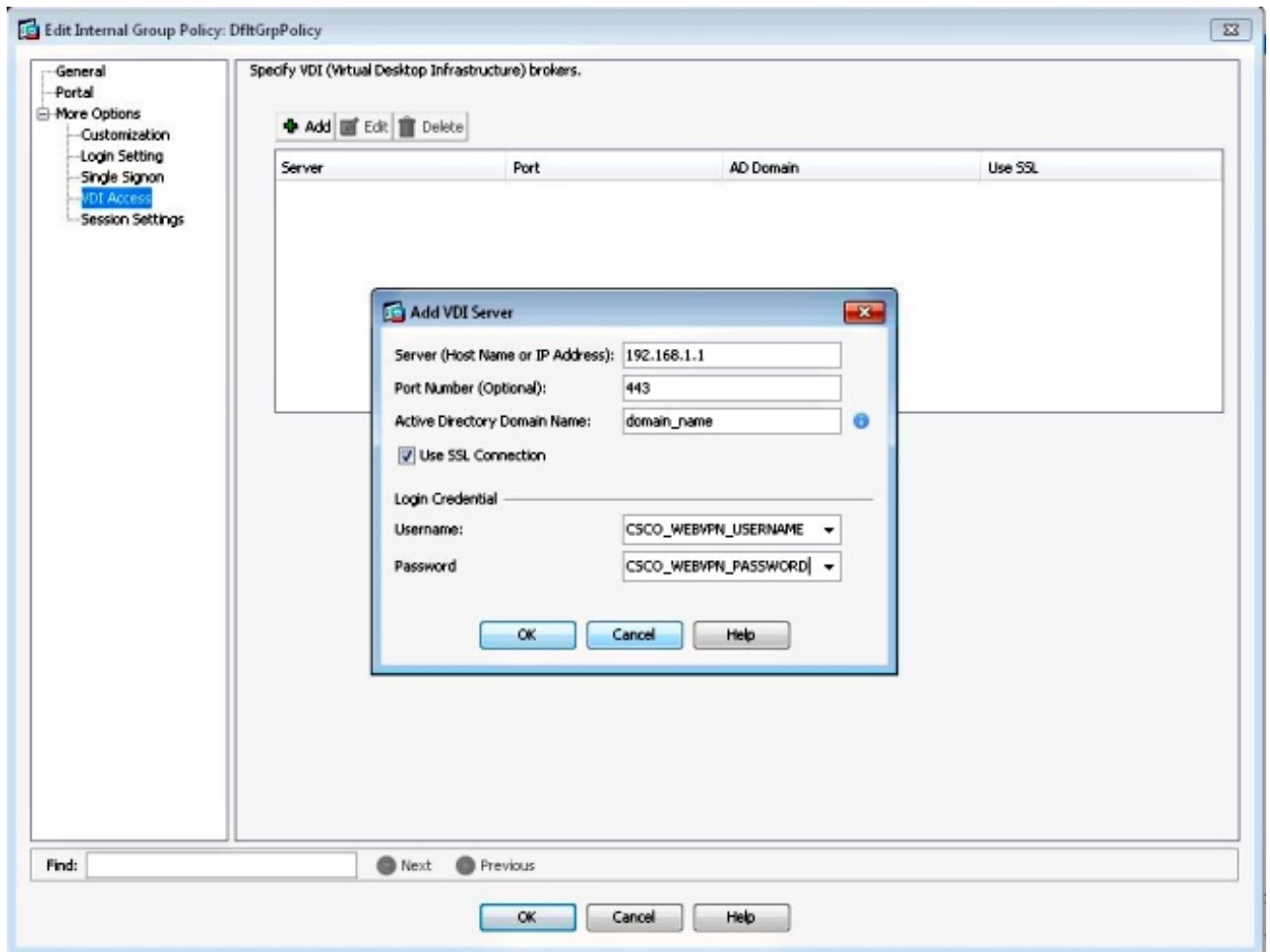
1. 導航到Asdm > Configuration > Remote Access VPN > Clientless SSL VPN Access > Group Policy:



2. 導覽至編輯>更多選項> VDI Access:



3. 新增VDI伺服器:



附註：唯一支援的模式是單一模式。

ASA身份證書和證書頒發機構(CA)

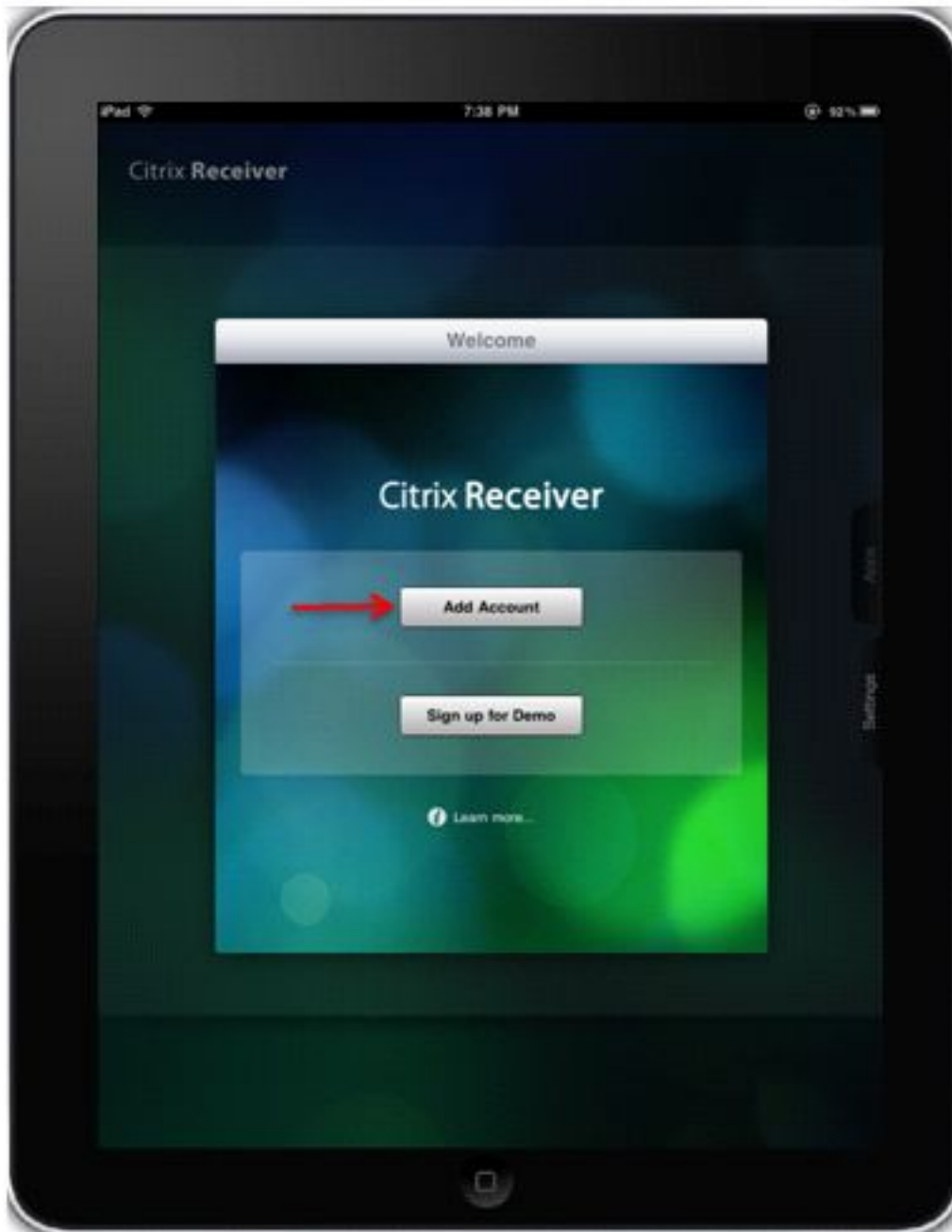
- 為了使Citrix Receiver與ASA配合使用，**流動裝置必須信任頒發ASA身份證書的CA。ASA的證書必須為完全限定的域名**(例如，clientlessvdi.cisco.com)頒發，而不能為ASA的IP地址頒發。如果ASA的證書由不在流動裝置的金鑰儲存中的中間CA頒發，該中間CA也必須受信任。
- 當Citrix Receiver使用不受信任的證書連線到ASA時，系統會提示使用者彈出警告是否繼續。
- 運行iOS的Apple裝置可以支援自簽名ASA證書，因為它們支援直接匯入證書和CA。
- 在運行iOS的Apple流動裝置上，如果忽略證書警告，接收方允許連線到ASA並檢索應用程式清單。但是，在安裝有效的ASA證書之前，使用者可能無法啟動任何已發佈資源。
- 某些舊版Android作業系統(OS)流動裝置無法提供將第三方證書匯入金鑰儲存的合法方式。因此，為了讓此類Android裝置上的Citrix Receiver與ASA/CAG合作，ASA必須擁有由CA頒發的已嵌入金鑰儲存的身份證書，例如Verisign或Godaddy。
- 在Android流動裝置上，如果ASA的證書不在裝置的金鑰儲存中，Citrix Receiver則不允許連線到ASA。
- OS版本4.1及更高版本的Android裝置支援證書和CA的匯入，並且應該能夠在iOS中按照上述方式工作。

終端使用者介面/使用者體驗

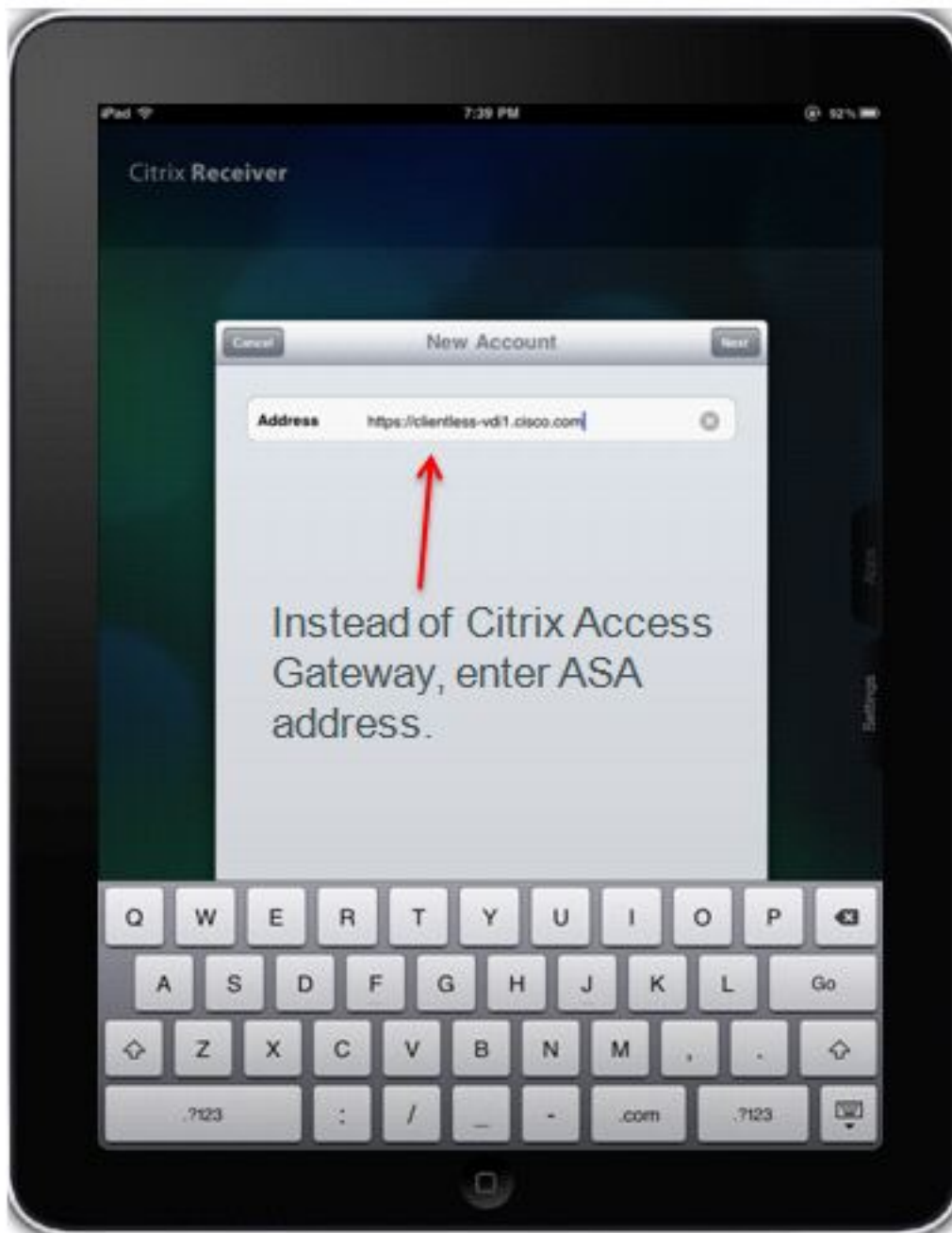
新增新帳戶

使用Citrix Receiver通過ASA訪問虛擬資源可提供與使用Citrix Access Gateway時相同的使用者體驗。

如果未配置任何伺服器，則必須配置新的虛擬資源。



提供ASA的FQDN/IP地址：



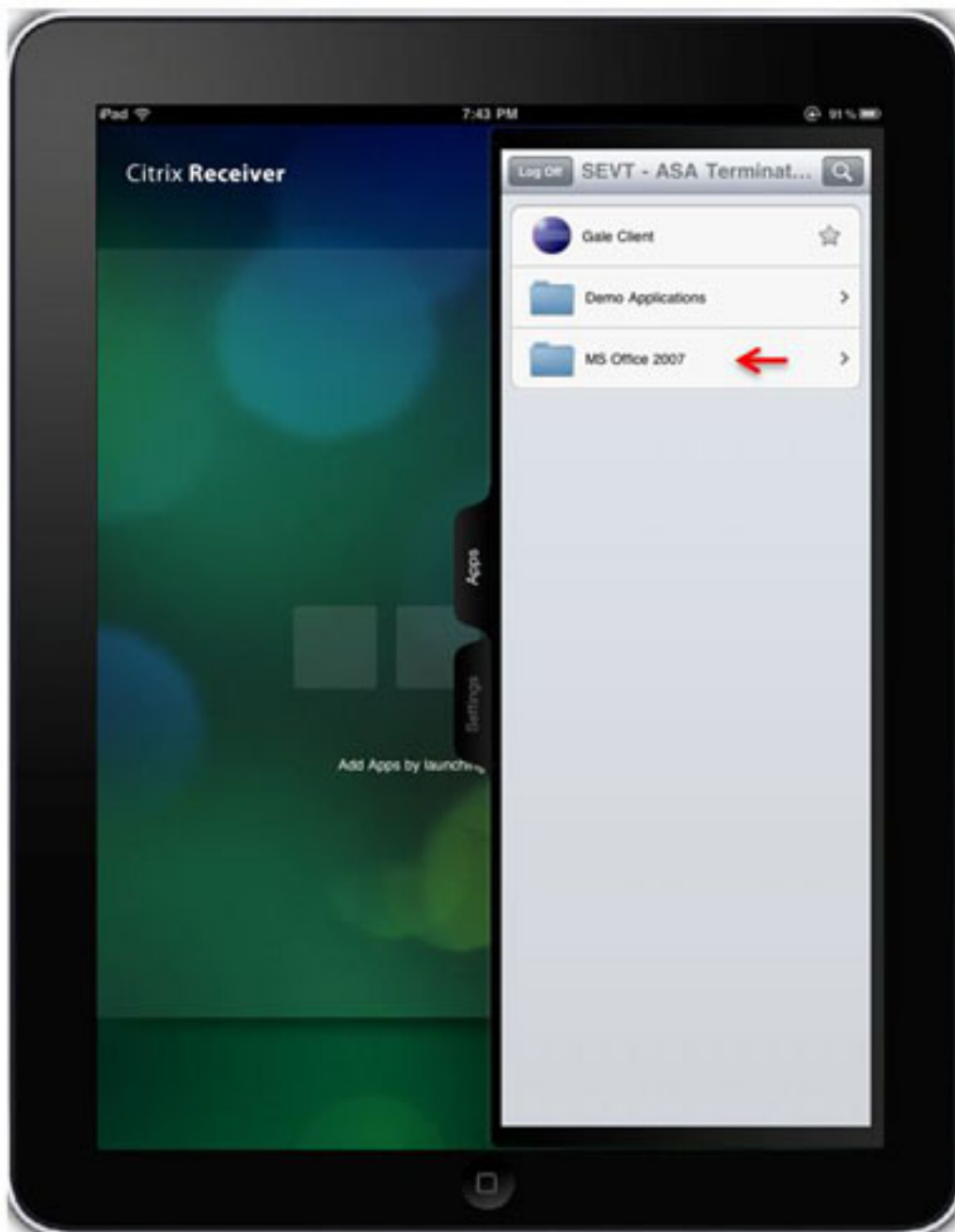
檢查Access GatewayStandard Edition，然後輸入憑證以連線到ASA。



儲存使用者配置檔案後，應用程式會自動要求憑據(ASA)並嘗試登入。

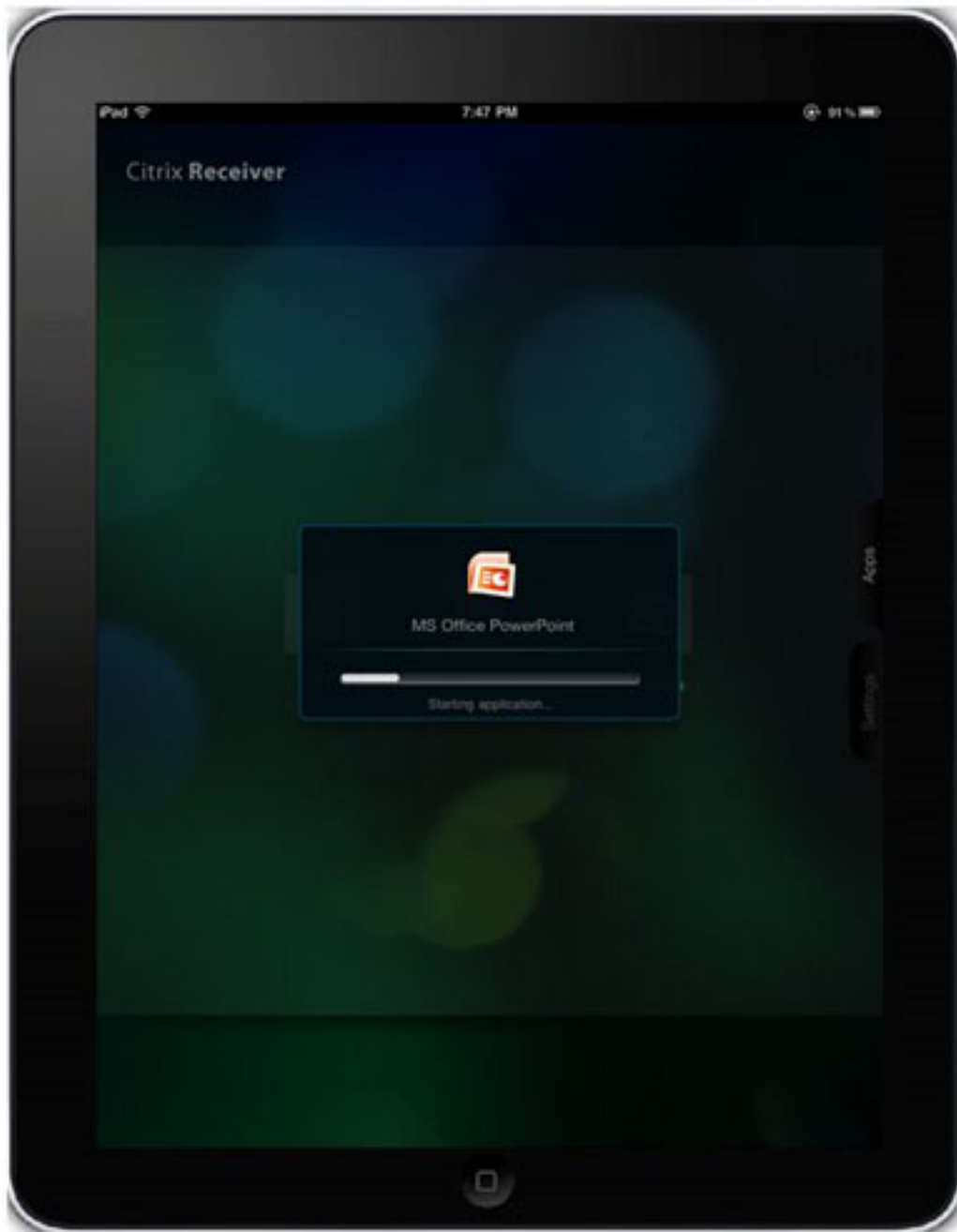


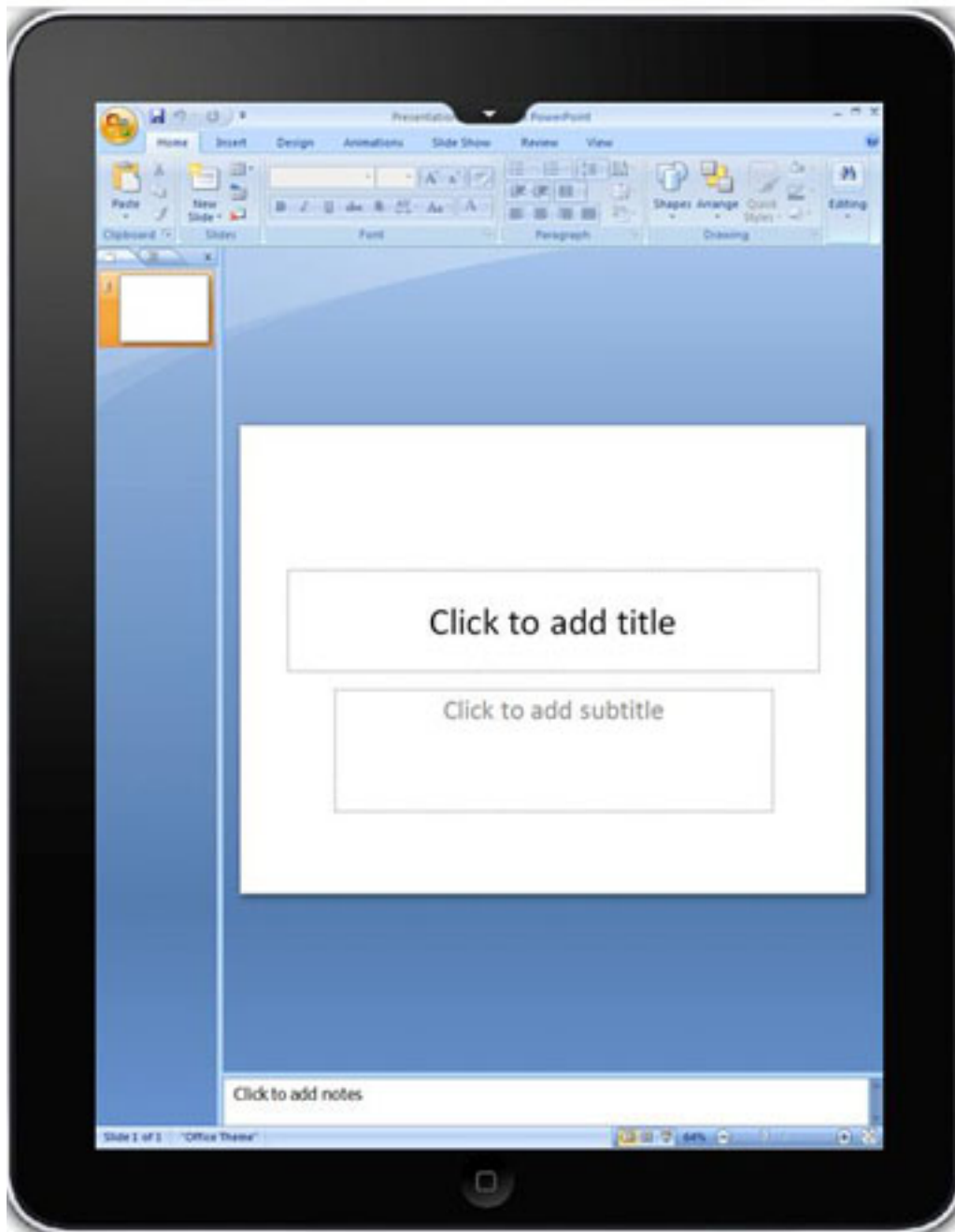
登入後，應用程式將顯示已發佈資源的清單。



您可以導航資料夾並按一下某個資源以啟動它。







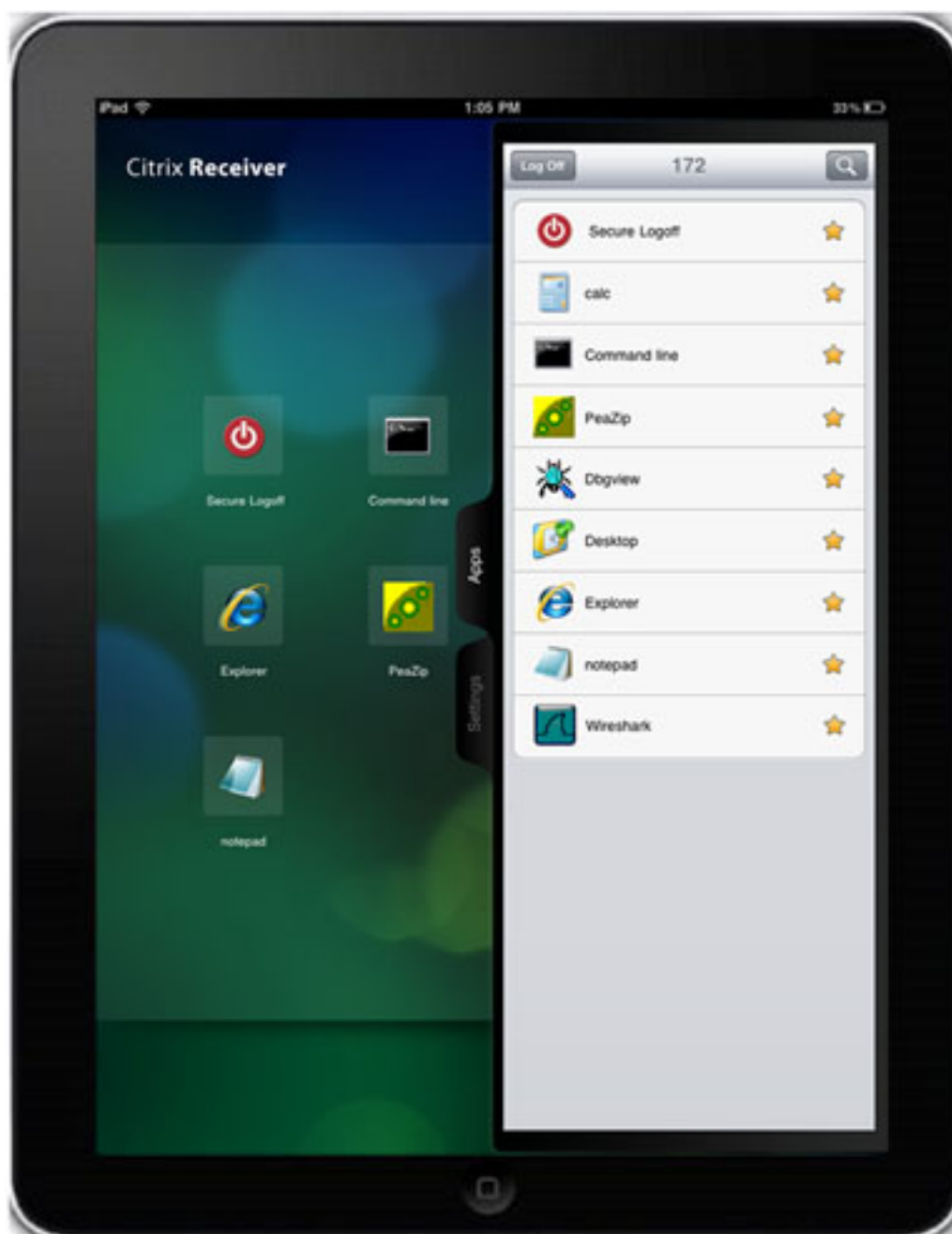
註銷WebVPN會話

Citrix Receiver應用程式不能隨意終止與已連線的ASA或CAG的WebVPN會話。通常，當您達到設定的逾時時，此類作業階段會終止。儘管最新版本的Citrix Receiver具有新的**Log Off**按鈕，但它不會終止與ASA的當前會話。而是關閉所有開啟的應用程式，並顯示已配置伺服器的清單。因此，如果ASA配置為每個使用者僅使用一個許可證，則使用**Log Off**按鈕的客戶端在會話超時之前無法再次登入。

為了允許終端使用者隨意終止WebVPN會話並釋放ASA許可證，新增了新的功能以注入**Secure Logoff**資源。



每次Citrix Receiver提取已發佈資源的清單時，都會發生此注入。

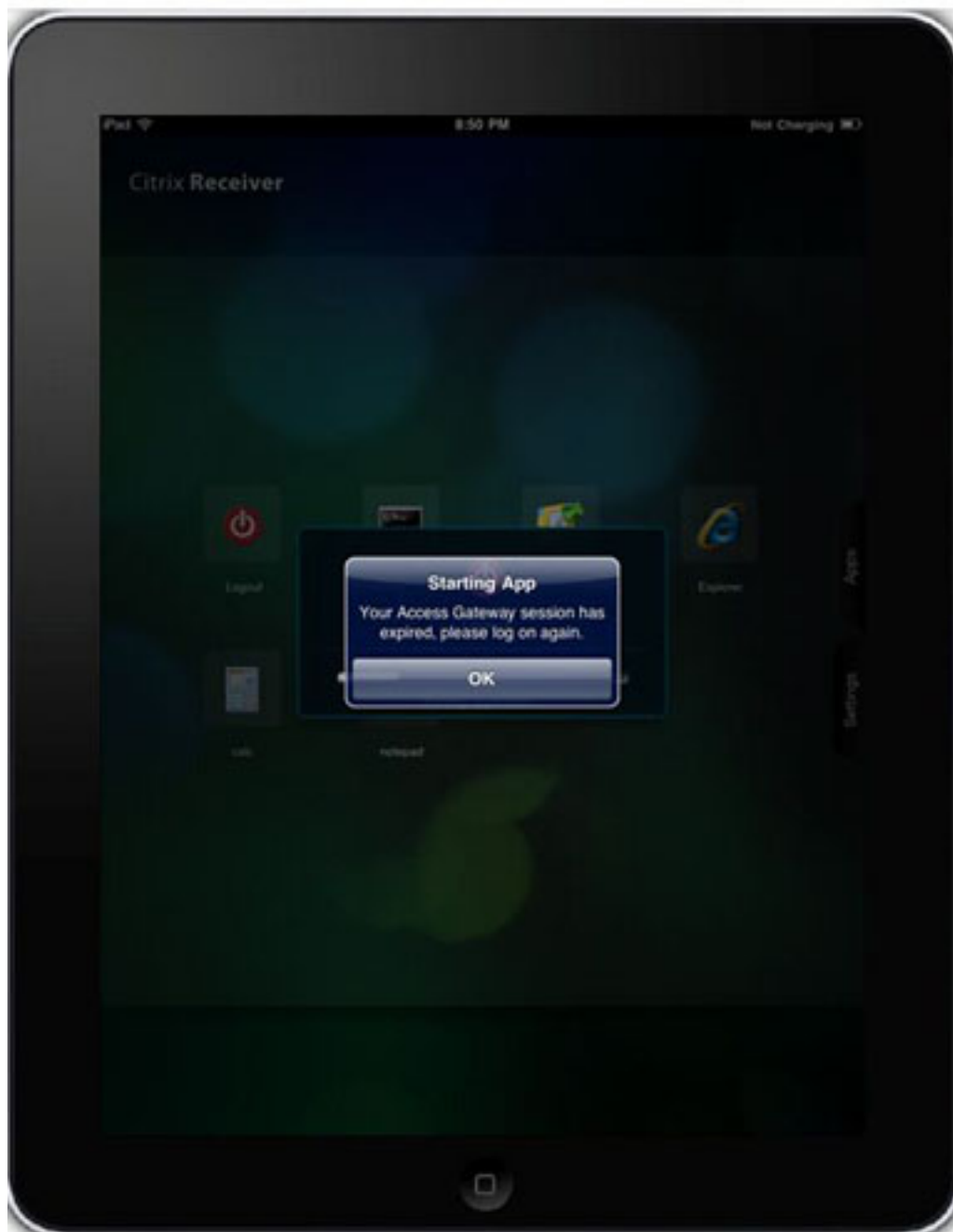


按一下**安全註銷**應用程式時，ASA和Citrix Receiver之間的會話將終止。為了正確釋放ASA許可證

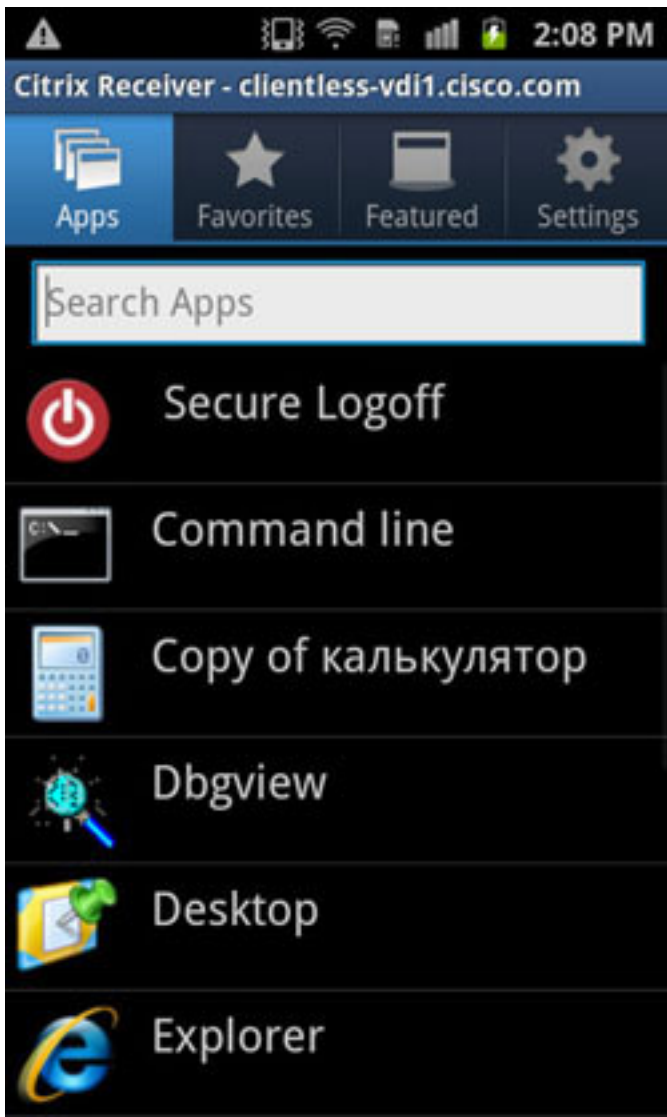
，必須使用**安全註銷**資源來終止WebVPN會話，而不是本機Citrix Receiver的「註銷」按鈕。

根據流動裝置和Citrix Receiver版本，會話終止後會顯示不同的消息。此外，當您註銷Android裝置時，Citrix應用程式針對不同移動平台編寫的方式的不同會帶來不同的體驗。

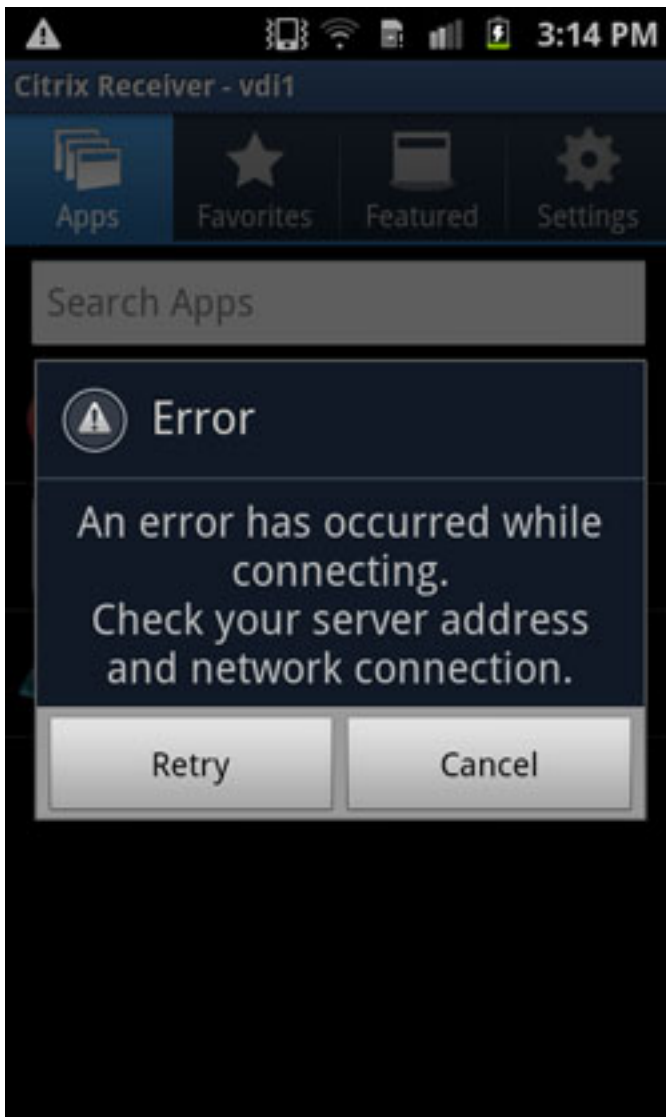
在iPad和iPhone上，Citrix Receiver顯示消息**Your access to Gateway session has expired , please log again.**When you click **OK**, Citrix Receiver顯示包含已配置伺服器的螢幕。



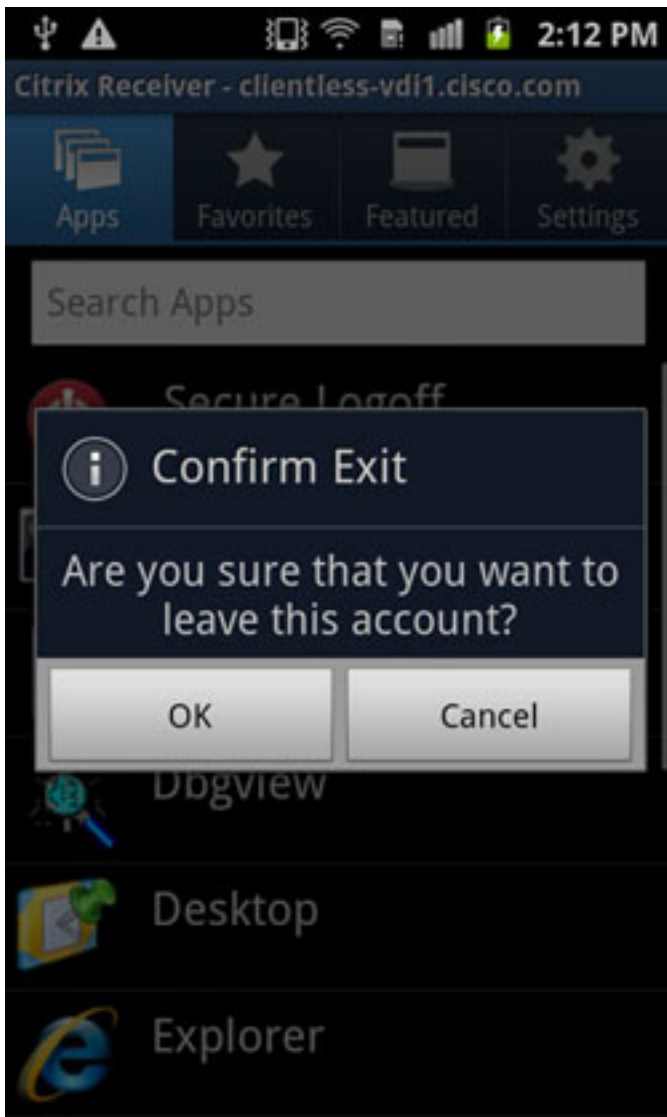
Android裝置還顯示注入的**安全註銷**資源。



但是，按一下**Secure logoff**應用程式時，將顯示網路連線錯誤。



雖然此時已終止WebVPN會話，但Citrix Receiver應用程式沒有內嵌消息來正確通知您進一步的操作。這是預期行為。當由於會話終止而顯示此錯誤消息時，它希望您按一下Android裝置上的**Cancel**按鈕、**Back**按鈕以退出當前帳戶，然後詢問是否要離開此帳戶時，**OK**。



退出當前帳戶後，將顯示預配置的伺服器清單。



驗證

目前沒有適用於此組態的驗證程序。

疑難排解

本節提供的資訊可用於對組態進行疑難排解。

調試

附註： 使用 `debug` 指令之前，請先參閱有關 `Debug` 指令的重要資訊。

您可以使用以下命令顯示 Citrix Receiver 的調試資訊：

```
debug webvpn citrix <1-255>
```

附註：

第1級顯示異常情況、與XenApp/XenDesktop伺服器的連線失敗和常規錯誤。
級別50顯示有關正在分析/重寫的資料的資訊。
級別255顯示為Citrix Receiver連線新增的所有調試資訊。

未為Citrix Receiver身份驗證新增任何新命令。但是，要檢視客戶端和ASA之間的事務，可以使用以下調試：

debug webvpn transformation request

以供參考。此輸出顯示從有效連線獲取的這兩個調試：

```
=====  
Channel NP p=0x00000000 0/0 more bufferedchannel-np.c  
TEST-ASA#  
TEST-ASA# DBG:89:3178386013:7404365c:0000: netsal_accept returned 0x6d6ce7c0  
(unicorn-proxy.c:proxy_thread_asa:1250)  
DBG:90:3178386045:7404365c:0000: Creating fiber 0x74100d20 [unicorn-proxy],  
stack(16384) = 0x74136ed0..0x7413aecc (fc=3), sys 0x6d5abea8  
(FIBERS/fibers.c:fiber_create:519)  
DBG:91:3178386088:74100d20:0000: Jumpstarting unicorn-proxy 0x74100d20,  
sys 0x74043610 (FIBERS/fibers-jumpstart.c:_fiber_jumpstart:36)  
DBG:92:3178386111:74100d20:0000: New client http connection: start requests  
handling (CONN/aware.c:run_aware_fiber:1316)  
DBG:93:3178386125:74100d20:0000: new fiber for client_ch 0x6d6ce7c0  
(aware.c:run_aware_fiber:1318)  
DBG:94:3178386136:74100d20:0009: in process request  
(aware.c:aware_dispatch_request:301)  
DBG:95:3178386148:74100d20:0009: alloc aware ctx  
(aware_mem.c:mem_aware_ctx_alloc:56)  
DBG:96:3178433565:74100d20:0009: Hook: UrlSniff_cb  
(aware_webvpn_conf.re2c:UrlSniff_cb:927)  
DBG:97:3178433620:74100d20:0009: METHOD = 1, GET  
(aware_parse_headers.re2c:aware_parse_req_headers:619)  
DBG:98:3178433640:74100d20:0009: Hook: SharePoint_cb  
(aware_webvpn_conf.re2c:SharePoint_cb:1021)  
DBG:99:3178433652:74100d20:0009: Hook: SessionCheck_cb  
(aware_webvpn_conf.re2c:SessionCheck_cb:1897)  
DBG:00:3178433694:74100d20:0009: Hook: VCARedirect_cb  
(aware_webvpn_conf.re2c:VCARedirect_cb:1805)  
DBG:01:3178433713:74100d20:0009: Hook: NACRedirect_cb  
(aware_webvpn_conf.re2c:NACRedirect_cb:1866)  
DBG:02:3178433730:74100d20:0009: Hook: ClientServices_cb  
(aware_webvpn_conf.re2c:ClientServices_cb:2172)  
DBG:03:3178433742:74100d20:0009: Hook: SCEPProxy_cb  
(aware_webvpn_conf.re2c:SCEPProxy_cb:2154)  
DBG:04:3178433753:74100d20:0009: Hook: AdminURLCheck_cb  
(aware_webvpn_conf.re2c:AdminURLCheck_cb:345)  
DBG:05:3178433810:74100d20:0009: Hook: GroupURLCheck_cb  
(aware_webvpn_conf.re2c:GroupURLCheck_cb:1594)  
DBG:06:3178433883:74100d20:0009: Hook: PathCookie_cb  
(aware_webvpn_conf.re2c:PathCookie_cb:1088)  
DBG:07:3178433899:74100d20:0009: Hook: Webfolder_cb  
(aware_webvpn_conf.re2c:Webfolder_cb:1167)  
DBG:08:3178433916:74100d20:0009: Hook: RootCheck_cb  
(aware_webvpn_conf.re2c:RootCheck_cb:508)  
DBG:09:3178433930:74100d20:0009: Load portal for the root request (null)  
(aware_webvpn_conf.re2c:RootCheck_cb:578)  
DBG:10:3178433942:74100d20:0009: => embedded  
(aware.c:aware_dispatch_request:396)  
DBG:11:3178433955:74100d20:0009: Serve embedded request [/  
=====
```


(aware.c:aware_serve_request:782)
DBG:12:3178433978:74100d20:0009: Open handler file [/+CSCOE+/portal.html]
(aware.c:aware_serve_request:822)
DBG:13:3178434028:74100d20:0009: No session redirect
(aware.c:aware_serve_request:888)
DBG:14:3178434104:74100d20:0009: STD HEADERS SENT
(aware.c:aware_send_resp_headers:151)
DBG:15:3178434149:74100d20:0009: HEADERS SENT
(aware.c:aware_send_resp_headers:162)
DBG:16:3178434188:74100d20:0009: + freeing ctx
(CONN/aware.c:aware_connection_clean_up:251)
DBG:17:3178434207:74100d20:0009: free aware ctx
(aware_mem.c:mem_aware_ctx_free:64)
DBG:18:3178434226:74100d20:0010: in process request
(aware.c:aware_dispatch_request:301)
DBG:19:3178434239:74100d20:0010: alloc aware ctx
(aware_mem.c:mem_aware_ctx_alloc:56)
DBG:20:3179015760:74100d20:0010: -- EOF in iobuf_channel input!!!
(iobuf_channel.c:ucte_input_buf_channel_input_fun:157)
DBG:21:3179015792:74100d20:0010: read_req_headers: first line: Unexpected
character 0x00 (aware_parse_headers.re2c:aware_parse_req_headers:241)
DBG:22:3179015809:74100d20:0010: + freeing ctx
(CONN/aware.c:aware_connection_clean_up:251)
DBG:23:3179015821:74100d20:0010: free aware ctx
(aware_mem.c:mem_aware_ctx_free:64)
DBG:24:3179015838:74100d20:0010: Fiber exit - client_ch 0x6d6ce7c0
(aware.c:run_aware_fiber:1339)
DBG:25:3179015852:74100d20:0010: Fiber 0x74100d20 finished leaving 4 more
(FIBERS/fibers-jumpstart.c:_fiber_jumpstart:64)
DBG:26:3179015865:74100d20:0010: Exiting fiber 0x74100d20
(FIBERS/fibers.c:fiber_kill:1257)
DBG:27:3179015934:74100d20:0010: SALNPCLOSENOTIFY: p=0x0 0/0 more buffered
(SAL/channel-np.c:_sal_np_ioctl:1269)
DBG:28:3179015965:74100d20:0010: Fiber 0x74100d20 terminated, 3 more
(FIBERS/fibers.c:fiber_kill:1330)
Channel NP p=0x00000000 0/0 more bufferedchannel-np.c
TEST-ASA#
TEST-ASA#
TEST-ASA#
TEST-ASA# DBG:29:3203022718:7404365c:0000: netsal_accept returned 0x6d6ce7c0
(unicorn-proxy.c:proxy_thread_asa:1250)
DBG:30:3203022750:7404365c:0000: Creating fiber 0x740ff6a0 [unicorn-proxy],
stack(16384) = 0x7413ef10..0x74142f0c (fc=3), sys 0x6d5abea8
(FIBERS/fibers.c:fiber_create:519)
DBG:31:3203022926:740ff6a0:0000: Jumpstarting unicorn-proxy 0x740ff6a0, sys
0x74043610 (FIBERS/fibers-jumpstart.c:_fiber_jumpstart:36)
DBG:32:3203022959:740ff6a0:0000: New client http connection: start requests
handling (CONN/aware.c:run_aware_fiber:1316)
DBG:33:3203022973:740ff6a0:0000: new fiber for client_ch 0x6d6ce7c0
(aware.c:run_aware_fiber:1318)
DBG:34:3203022986:740ff6a0:0011: in process request
(aware.c:aware_dispatch_request:301)
DBG:35:3203022996:740ff6a0:0011: alloc aware ctx
(aware_mem.c:mem_aware_ctx_alloc:56)
DBG:36:3203070771:740ff6a0:0011: Hook: UrlSniff_cb
(aware_webvpn_conf.re2c:UrlSniff_cb:927)
DBG:37:3203070845:740ff6a0:0011: METHOD = 1, GET
(aware_parse_headers.re2c:aware_parse_req_headers:619)
DBG:38:3203070870:740ff6a0:0011: Hook: SharePoint_cb
(aware_webvpn_conf.re2c:SharePoint_cb:1021)
DBG:39:3203070883:740ff6a0:0011: Hook: SessionCheck_cb
(aware_webvpn_conf.re2c:SessionCheck_cb:1897)
DBG:40:3203070894:740ff6a0:0011: Hook: VCARedirect_cb
(aware_webvpn_conf.re2c:VCARedirect_cb:1805)

DBG:41:3203070907:740ff6a0:0011: Hook: NACRedirect_cb
(aware_webvpn_conf.re2c:NACRedirect_cb:1866)
DBG:42:3203070919:740ff6a0:0011: Hook: ClientServices_cb
(aware_webvpn_conf.re2c:ClientServices_cb:2172)
DBG:43:3203070931:740ff6a0:0011: Hook: SCEPProxy_cb
(aware_webvpn_conf.re2c:SCEPProxy_cb:2154)
DBG:44:3203070940:740ff6a0:0011: Hook: AdminURLCheck_cb
(aware_webvpn_conf.re2c:AdminURLCheck_cb:345)
DBG:45:3203070996:740ff6a0:0011: Hook: GroupURLCheck_cb
(aware_webvpn_conf.re2c:GroupURLCheck_cb:1594)
DBG:46:3203071070:740ff6a0:0011: Hook: PathCookie_cb
(aware_webvpn_conf.re2c:PathCookie_cb:1088)
DBG:47:3203071090:740ff6a0:0011: Hook: Webfolder_cb
(aware_webvpn_conf.re2c:Webfolder_cb:1167)
DBG:48:3203071105:740ff6a0:0011: Hook: RootCheck_cb
(aware_webvpn_conf.re2c:RootCheck_cb:508)
DBG:49:3203071122:740ff6a0:0011: Load portal for the root request (null)
(aware_webvpn_conf.re2c:RootCheck_cb:578)
DBG:50:3203071135:740ff6a0:0011: => embedded request
(aware.c:aware_dispatch_request:396)
DBG:51:3203071147:740ff6a0:0011: Serve embedded request [/
(aware.c:aware_serve_request:782)
DBG:52:3203071169:740ff6a0:0011: Open handler file [/+CSCOE+/portal.html]
(aware.c:aware_serve_request:822)
DBG:53:3203071218:740ff6a0:0011: No session redirect
(aware.c:aware_serve_request:888)
DBG:54:3203071293:740ff6a0:0011: STD HEADERS SENT
(aware.c:aware_send_resp_headers:151)
DBG:55:3203071338:740ff6a0:0011: HEADERS SENT
(aware.c:aware_send_resp_headers:162)
DBG:56:3203071376:740ff6a0:0011: + freeing ctx
(CONN/aware.c:aware_connection_clean_up:251)
DBG:57:3203071396:740ff6a0:0011: free aware ctx
(aware_mem.c:mem_aware_ctx_free:64)
DBG:58:3203071414:740ff6a0:0012: in process request
(aware.c:aware_dispatch_request:301)
DBG:59:3203071427:740ff6a0:0012: alloc aware ctx
(aware_mem.c:mem_aware_ctx_alloc:56)
DBG:60:3204883539:740ff6a0:0012: -- EOF in iobuf_channel input!!!
(iobuf_channel.c:ucte_input_buf_channel_input_fun:157)
DBG:61:3204883574:740ff6a0:0012: read_req_headers: first line: Unexpected
character 0x00 (aware_parse_headers.re2c:aware_parse_req_headers:241)
DBG:62:3204883591:740ff6a0:0012: + freeing ctx
(CONN/aware.c:aware_connection_clean_up:251)
DBG:63:3204883603:740ff6a0:0012: free aware ctx
(aware_mem.c:mem_aware_ctx_free:64)
DBG:64:3204883619:740ff6a0:0012: Fiber exit - client_ch 0x6d6ce7c0
(aware.c:run_aware_fiber:1339)
DBG:65:3204883632:740ff6a0:0012: Fiber 0x740ff6a0 finished leaving 4 more
(FIBERS/fibers-jumpstart.c:_fiber_jumpstart:64)
DBG:66:3204883645:740ff6a0:0012: Exiting fiber 0x740ff6a0
(FIBERS/fibers.c:fiber__kill:1257)
DBG:67:3204883718:740ff6a0:0012: SALNPCLOSENOTIFY: p=0x0 0/0 more buffered
(SAL/channel-np.c:_sal_np_ioctl:1269)
DBG:68:3204883750:740ff6a0:0012: Fiber 0x740ff6a0 terminated, 3 more
(FIBERS/fibers.c:fiber__kill:1330)
Channel NP p=0x00000000 0/0 more bufferedchannel-np.cDBG:69:3212412660:7404365c:0000:
netsal_accept returned 0x6d6ce7c0 (unicorn-proxy.c:proxy_thread_asa:1250)
DBG:70:3212412691:7404365c:0000: Creating fiber 0x74100d20 [unicorn-proxy],
stack(16384) = 0x74136ed0..0x7413aecc (fc=3), sys 0x6d5abea8
(FIBERS/fibers.c:fiber_create:519)
DBG:71:3212413380:74100d20:0000: Jumpstarting unicorn-proxy 0x74100d20,
sys 0x74043610 (FIBERS/fibers-jumpstart.c:_fiber_jumpstart:36)
DBG:72:3212413415:74100d20:0000: New client http connection: start requests

handling (CONN/aware.c:run_aware_fiber:1316)
DBG:73:3212413429:74100d20:0000: new fiber for client_ch 0x6d6ce7c0
(aware.c:run_aware_fiber:1318)
DBG:74:3212413447:74100d20:0013: in process request
(aware.c:aware_dispatch_request:301)
DBG:75:3212413460:74100d20:0013: alloc aware ctx
(aware_mem.c:mem_aware_ctx_alloc:56)
DBG:76:3212462785:74100d20:0013: Hook: UrlSniff_cb
(aware_webvpn_conf.re2c:UrlSniff_cb:927)
DBG:77:3212462837:74100d20:0013: METHOD = 1, GET
(aware_parse_headers.re2c:aware_parse_req_headers:619)
DBG:78:3212462857:74100d20:0013: Hook: SharePoint_cb
(aware_webvpn_conf.re2c:SharePoint_cb:1021)
DBG:79:3212462873:74100d20:0013: Hook: SessionCheck_cb
(aware_webvpn_conf.re2c:SessionCheck_cb:1897)
DBG:80:3212462884:74100d20:0013: Hook: VCARedirect_cb
(aware_webvpn_conf.re2c:VCARedirect_cb:1805)
DBG:81:3212462895:74100d20:0013: Hook: NACRedirect_cb
(aware_webvpn_conf.re2c:NACRedirect_cb:1866)
DBG:82:3212462906:74100d20:0013: Hook: ClientServices_cb
(aware_webvpn_conf.re2c:ClientServices_cb:2172)
DBG:83:3212462918:74100d20:0013: Hook: SCEPProxy_cb
(aware_webvpn_conf.re2c:SCEPProxy_cb:2154)
DBG:84:3212462928:74100d20:0013: Hook: AdminURLCheck_cb
(aware_webvpn_conf.re2c:AdminURLCheck_cb:345)
DBG:85:3212462983:74100d20:0013: Hook: GroupURLCheck_cb
(aware_webvpn_conf.re2c:GroupURLCheck_cb:1594)
DBG:86:3212463058:74100d20:0013: Hook: PathCookie_cb
(aware_webvpn_conf.re2c:PathCookie_cb:1088)
DBG:87:3212463075:74100d20:0013: Hook: Webfolder_cb
(aware_webvpn_conf.re2c:Webfolder_cb:1167)
DBG:88:3212463091:74100d20:0013: Hook: RootCheck_cb
(aware_webvpn_conf.re2c:RootCheck_cb:508)
DBG:89:3212463104:74100d20:0013: Load portal for the root request (null)
(aware_webvpn_conf.re2c:RootCheck_cb:578)
DBG:90:3212463118:74100d20:0013: => embedded request
(aware.c:aware_dispatch_request:396)
DBG:91:3212463128:74100d20:0013: Serve embedded request [/
(aware.c:aware_serve_request:782)
DBG:92:3212463150:74100d20:0013: Open handler file [/+CSCOE+/portal.html]
(aware.c:aware_serve_request:822)
DBG:93:3212463202:74100d20:0013: No session redirect
(aware.c:aware_serve_request:888)
DBG:94:3212463305:74100d20:0013: STD HEADERS SENT
(aware.c:aware_send_resp_headers:151)
DBG:95:3212463351:74100d20:0013: HEADERS SENT
(aware.c:aware_send_resp_headers:162)
DBG:96:3212463388:74100d20:0013: + freeing ctx
(CONN/aware.c:aware_connection_clean_up:251)
DBG:97:3212463407:74100d20:0013: free aware ctx
(aware_mem.c:mem_aware_ctx_free:64)
DBG:98:3212463424:74100d20:0014: in process request
(aware.c:aware_dispatch_request:301)
DBG:99:3212463435:74100d20:0014: alloc aware ctx
(aware_mem.c:mem_aware_ctx_alloc:56)
DBG:00:3212610662:74100d20:0014: Hook: UrlSniff_cb
(aware_webvpn_conf.re2c:UrlSniff_cb:927)
DBG:01:3212610716:74100d20:0014: METHOD = 1, GET
(aware_parse_headers.re2c:aware_parse_req_headers:619)
DBG:02:3212610737:74100d20:0014: Hook: SharePoint_cb
(aware_webvpn_conf.re2c:SharePoint_cb:1021)
DBG:03:3212610750:74100d20:0014: Hook: SessionCheck_cb
(aware_webvpn_conf.re2c:SessionCheck_cb:1897)
DBG:04:3212610762:74100d20:0014: Hook: VCARedirect_cb

(aware_webvpn_conf.re2c:VCARedirect_cb:1805)
DBG:05:3212610774:74100d20:0014: Hook: NACRedirect_cb
(aware_webvpn_conf.re2c:NACRedirect_cb:1866)
DBG:06:3212610787:74100d20:0014: Hook: ClientServices_cb
(aware_webvpn_conf.re2c:ClientServices_cb:2172)
DBG:07:3212610799:74100d20:0014: Hook: SCEPProxy_cb
(aware_webvpn_conf.re2c:SCEPProxy_cb:2154)
DBG:08:3212610810:74100d20:0014: Hook: AdminURLCheck_cb
(aware_webvpn_conf.re2c:AdminURLCheck_cb:345)
DBG:09:3212610870:74100d20:0014: Hook: GroupURLCheck_cb
(aware_webvpn_conf.re2c:GroupURLCheck_cb:1594)
DBG:10:3212610945:74100d20:0014: Hook: PathCookie_cb
(aware_webvpn_conf.re2c:PathCookie_cb:1088)
DBG:11:3212610964:74100d20:0014: Hook: Webfolder_cb
(aware_webvpn_conf.re2c:Webfolder_cb:1167)
DBG:12:3212610980:74100d20:0014: Hook: RootCheck_cb
(aware_webvpn_conf.re2c:RootCheck_cb:508)
DBG:13:3212610997:74100d20:0014: Load portal for the root request (null)
(aware_webvpn_conf.re2c:RootCheck_cb:578)
DBG:14:3212611011:74100d20:0014: => embedded request
(aware.c:aware_dispatch_request:396)
DBG:15:3212611021:74100d20:0014: Serve embedded request [/
(aware.c:aware_serve_request:782)
DBG:16:3212611042:74100d20:0014: Open handler file [/+CSCOE+/portal.html]
(aware.c:aware_serve_request:822)
DBG:17:3212611090:74100d20:0014: No session redirect
(aware.c:aware_serve_request:888)
DBG:18:3212611162:74100d20:0014: STD HEADERS SENT
(aware.c:aware_send_resp_headers:151)
DBG:19:3212611231:74100d20:0014: HEADERS SENT
(aware.c:aware_send_resp_headers:162)
DBG:20:3212611270:74100d20:0014: + freeing ctx
(CONN/aware.c:aware_connection_clean_up:251)
DBG:21:3212611289:74100d20:0014: free aware ctx
(aware_mem.c:mem_aware_ctx_free:64)
DBG:22:3212611306:74100d20:0015: in process request
(aware.c:aware_dispatch_request:301)
DBG:23:3212611318:74100d20:0015: alloc aware ctx
(aware_mem.c:mem_aware_ctx_alloc:56)
DBG:24:3212711373:74100d20:0015: Hook: UrlSniff_cb
(aware_webvpn_conf.re2c:UrlSniff_cb:927)
DBG:25:3212711428:74100d20:0015: Cookie name:[webvpnlogin]: 11
(aware_parse_headers.re2c:aware_parse_cookie:754)
DBG:26:3212711458:74100d20:0015: METHOD = 2, POST
(aware_parse_headers.re2c:aware_parse_req_headers:619)
DBG:27:3212711479:74100d20:0015: => handoff (AWARE_HOOK_EXTERNAL_HANDOFF)
(aware.c:aware_dispatch_request:495)
DBG:28:3212711498:74100d20:0015: Channel NP p=0x6d6ce7c0 0/0 more buffered
(SAL/channel-np.c:_sal_np_close:908)
DBG:29:3212711568:74100d20:0015: Finish external handoff for client_ch
0x6d6ce7c0 (aware.c:aware_dispatch_request:497)
DBG:30:3212711589:74100d20:0015: + freeing ctx
(CONN/aware.c:aware_connection_clean_up:251)
DBG:31:3212711601:74100d20:0015: free aware ctx
(aware_mem.c:mem_aware_ctx_free:64)
DBG:32:3212711617:74100d20:0015: Fiber exit - client_ch 0x6d6ce7c0
(aware.c:run_aware_fiber:1339)
DBG:33:3212711630:74100d20:0015: Fiber 0x74100d20 finished leaving 4 more
(FIBERS/fibers-jumpstart.c:_fiber_jumpstart:64)
DBG:34:3212711644:74100d20:0015: Exiting fiber 0x74100d20
(FIBERS/fibers.c:fiber__kill:1257)
DBG:35:3212711658:74100d20:0015: Fiber 0x74100d20 terminated, 3 more
(FIBERS/fibers.c:fiber__kill:1330)
Creating fiber 0x73c63290 [fiber-ldap-class], stack(16384) =

0x73c9eae0..0x73ca2adc (fc=2), sys 0x6d5c1cacfibers.cDBG:36:3212712546:
73c63290:0000: Jumpstarting fiber-ldap-class 0x73c63290, sys 0x73c60ca0
(FIBERS/fibers-jumpstart.c:_fiber_jumpstart:36)
DBG:37:3212712646:73c63290:0000: Connecting to 00000000:1024239808
(SAL/netsal.c:netsal_connect:319)
DBG:38:3212712677:73c63290:0000: about to call netsal__safe_encapsulate for
(sal-np/tcp/CONNECT/3/192.168.12.61/389/M/VM) (SAL/netsal.c:netsal_connect:443)
DBG:39:3212712923:73c63290:0000: connection timeout set for 10 seconds
(SAL/netsal.c:netsal_connect:470)
DBG:40:3212723367:73c63290:0000: Exiting fiber 0x73c63290
(FIBERS/fibers.c:fiber__kill:1257)
DBG:41:3212723706:73c63290:0000: SALNPCLOSENOTIFY: p=0x0 0/0 more buffered
(SAL/channel-np.c:_sal_np_ioctl:1269)
DBG:42:3212723747:73c63290:0000: Fiber 0x73c63290 terminated, 2 more
(FIBERS/fibers.c:fiber__kill:1330)
DBG:36:3212726030:0:0000: Creating fiber 0x740ff6a0 [ak47_attach_class], stack
(256) = 0x741cb870..0x741cb96c (fc=3), sys 0x6d5ac2c0
(FIBERS/fibers.c:fiber_create:519)
DBG:37:3212726072:740ff6a0:0000: Remote storage is not configured
(pstorage.c:pStorage_restore:272)
Terminating fiber 0x740ff6a0fibers.cFiber 0x740ff6a0 terminated, 3 morefibers.
cDBG:38:3212726646:0:0000: Creating fiber 0x74100d20 [ak47_attach_class], stack
(256) = 0x741cb750..0x741cb84c (fc=3), sys 0x6d5ac2c0
(FIBERS/fibers.c:fiber_create:519)
DBG:39:3212726721:74100d20:0000: Creating fiber 0x740ff9a0 [unicorn-proxy], stack
(16384) = 0x74136ed0..0x7413aecc (fc=4), sys 0x6d5ac2c0
(FIBERS/fibers.c:fiber_create:519)
Terminating fiber 0x74100d20fibers.cFiber 0x74100d20 terminated, 4 morefibers.
cDBG:40:3212727006:740ff9a0:0000: Jumpstarting unicorn-proxy 0x740ff9a0, sys
0x74043610 (FIBERS/fibers-jumpstart.c:_fiber_jumpstart:36)
DBG:41:3212727039:740ff9a0:0000: New client http connection: start requests
handling (CONN/aware.c:run_aware_fiber:1316)
DBG:42:3212727052:740ff9a0:0000: new fiber for client_ch 0x6d6cf000
(aware.c:run_aware_fiber:1318)
DBG:43:3212727065:740ff9a0:0016: in process request
(aware.c:aware_dispatch_request:301)
DBG:44:3212727080:740ff9a0:0016: alloc aware ctx
(aware_mem.c:mem_aware_ctx_alloc:56)
Channel NP p=0x00000000 0/0 more bufferedchannel-np.cDBG:45:3212821243:740ff9a0:
0016: Hook: UrlSniff_cb (aware_webvpn_conf.re2c:UrlSniff_cb:927)
DBG:46:3212821289:740ff9a0:0016: Cookie name:[net6_cookie]: 11
(aware_parse_headers.re2c:aware_parse_cookie:754)
DBG:47:3212821312:740ff9a0:0016: Cookie name:[net6_user_session]: 17
(aware_parse_headers.re2c:aware_parse_cookie:754)
DBG:48:3212821327:740ff9a0:0016: Cookie name:[webvpn]: 6
(aware_parse_headers.re2c:aware_parse_cookie:754)
DBG:49:3212821341:740ff9a0:0016: Cookie name:[webvpnaac]: 9
(aware_parse_headers.re2c:aware_parse_cookie:754)
DBG:50:3212821354:740ff9a0:0016: Cookie name:[webvpnc]: 7
(aware_parse_headers.re2c:aware_parse_cookie:754)
DBG:51:3212821368:740ff9a0:0016: Cookie name:[webvpnx]: 7
(aware_parse_headers.re2c:aware_parse_cookie:754)
DBG:52:3212821389:740ff9a0:0016: METHOD = 1, GET
(aware_parse_headers.re2c:aware_parse_req_headers:619)
DBG:53:3212821407:740ff9a0:0016: => handoff (AWARE_HOOK_INTERNAL_HANDOFF)
(aware.c:aware_dispatch_request:508)
DBG:54:3212821420:740ff9a0:0016: in process request
(proxy.c:process_request:239)
DBG:55:3212821509:740ff9a0:0016: parse_req_headers(client_fd, p_req) ;
(proxy.c:process_request:275)
DBG:56:3212821531:740ff9a0:0016: Request: [GET /Citrix/pnagent/config.xml
HTTP/1.1]: 39 (parse_req_headers.re2c:parse_req_headers:1399)
DBG:57:3212821556:740ff9a0:0016: req headers array at 741f3480
(parse_req_headers.re2c:parse_req_headers:1500)

DBG:58:3212821577:740ff9a0:0016: in parse_cookie
(ucte_parse_cookie.re2c:parse_cookie:430)

DBG:59:3212821590:740ff9a0:0016: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)

DBG:60:3212821603:740ff9a0:0016: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)

DBG:61:3212821613:740ff9a0:0016: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)

DBG:62:3212821625:740ff9a0:0016: Cookie name: net6_user_session
(ucte_parse_cookie.re2c:parse_cookie:605)

DBG:63:3212821638:740ff9a0:0016: -->in ucte_process_req_cookie
(COOKIE/ucte_cookie.c:ucte_process_req_cookie:135)

DBG:64:3212821653:740ff9a0:0016: req cookie array at 741f3680
(COOKIE/ucte_cookie.c:ucte_process_req_cookie:144)

DBG:65:3212821665:740ff9a0:0016: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)

DBG:66:3212821675:740ff9a0:0016: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)

DBG:67:3212821685:740ff9a0:0016: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)

DBG:68:3212821695:740ff9a0:0016: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)

DBG:69:3212821705:740ff9a0:0016: Cookie name: webvpnaac
(ucte_parse_cookie.re2c:parse_cookie:605)

DBG:70:3212821718:740ff9a0:0016: -->in ucte_process_req_cookie
(COOKIE/ucte_cookie.c:ucte_process_req_cookie:135)

DBG:71:3212821730:740ff9a0:0016: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)

DBG:72:3212821740:740ff9a0:0016: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)

DBG:73:3212821750:740ff9a0:0016: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)

DBG:74:3212821759:740ff9a0:0016: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)

DBG:75:3212821768:740ff9a0:0016: Cookie name: webvpnx
(ucte_parse_cookie.re2c:parse_cookie:605)

DBG:76:3212821778:740ff9a0:0016: -->in ucte_process_req_cookie
(COOKIE/ucte_cookie.c:ucte_process_req_cookie:135)

DBG:77:3212821788:740ff9a0:0016: in parse Cookie -->
(ucte_parse_cookie.re2c:parse_cookie:777)

DBG:78:3212821844:740ff9a0:0016: User [test.user]
(proxy.c:process_request:418)

DBG:79:3212821870:740ff9a0:0016: Keepalive threshold forced to 4
(ucte_policy.c:ucte_get_ctx_session_settings:798)

DBG:80:3212821888:740ff9a0:0016: => reverse proxy request
(proxy.c:process_request:615)

ERR:81:3212821920:740ff9a0:0016: Failed expectation "this != NULL && this->start != NULL && cstr != NULL && value != NULL && this->signature == CLSTRING_SIGNATURE"
(clString.c:clString_replace_all_ncstring_:571)

ERR:82:3212821944:740ff9a0:0016: Failed expectation "this != NULL && this->start != NULL && cstr != NULL && value != NULL && this->signature == CLSTRING_SIGNATURE"
(clString.c:clString_replace_all_ncstring_:571)

ERR:83:3212821962:740ff9a0:0016: Failed expectation "this != NULL && this->start != NULL && cstr != NULL && value != NULL && this->signature == CLSTRING_SIGNATURE"
(clString.c:clString_replace_all_ncstring_:571)

ERR:84:3212821989:740ff9a0:0016: Failed expectation "this != NULL && this->start != NULL && cstr != NULL && value != NULL && this->signature == CLSTRING_SIGNATURE"
(clString.c:clString_replace_all_ncstring_:571)

ERR:85:3212822008:740ff9a0:0016: Failed expectation "this != NULL && this->start != NULL && cstr != NULL && value != NULL && this->signature == CLSTRING_SIGNATURE"
(clString.c:clString_replace_all_ncstring_:571)

ERR:86:3212822021:740ff9a0:0016: Failed expectation "this != NULL && this->start != NULL && cstr != NULL && value != NULL && this->signature == CLSTRING_SIGNATURE"
(clString.c:clString_replace_all_ncstring_:571)

ERR:87:3212822038:740ff9a0:0016: Failed expectation "this != NULL && this->start != NULL && cstr != NULL && value != NULL && this->signature == CLSTRING_SIGNATURE" (clString.c:clString_replace_all_ncstring_:571)

ERR:88:3212822052:740ff9a0:0016: Failed expectation "this != NULL && this->start != NULL && cstr != NULL && value != NULL && this->signature == CLSTRING_SIGNATURE" (clString.c:clString_replace_all_ncstring_:571)

ERR:89:3212822065:740ff9a0:0016: Failed expectation "this != NULL && this->start != NULL && cstr != NULL && value != NULL && this->signature == CLSTRING_SIGNATURE" (clString.c:clString_replace_all_ncstring_:571)

ERR:90:3212822081:740ff9a0:0016: Failed expectation "this != NULL && this->start != NULL && cstr != NULL && value != NULL && this->signature == CLSTRING_SIGNATURE" (clString.c:clString_replace_all_ncstring_:571)

ERR:91:3212822095:740ff9a0:0016: Failed expectation "this != NULL && this->start != NULL && cstr != NULL && value != NULL && this->signature == CLSTRING_SIGNATURE" (clString.c:clString_replace_all_ncstring_:571)

ERR:92:3212822108:740ff9a0:0016: Failed expectation "this != NULL && this->start != NULL && cstr != NULL && value != NULL && this->signature == CLSTRING_SIGNATURE" (clString.c:clString_replace_all_ncstring_:571)

ERR:93:3212822149:740ff9a0:0016: Failed expectation "this != NULL && this->start != NULL && cstr != NULL && value != NULL && this->signature == CLSTRING_SIGNATURE" (clString.c:clString_replace_all_ncstring_:571)

ERR:94:3212822165:740ff9a0:0016: Failed expectation "this != NULL && this->start != NULL && cstr != NULL && value != NULL && this->signature == CLSTRING_SIGNATURE" (clString.c:clString_replace_all_ncstring_:571)

DBG:95:3212822203:740ff9a0:0016: + About to dump request body to the file (proxy.c:process_request:889)

DBG:96:3212822222:740ff9a0:0016: used_at_least_once [0], server_ch [0], netsal_connection_is_closing [1] (proxy.c:process_request:1204)

DBG:97:3212822236:740ff9a0:0016: no old connection, create a new one (proxy.c:process_request:1206)

DBG:98:3212822283:740ff9a0:0016: Decoded URL: /Citrix/pnagent/config.xml (conn.c:establish_connection:626)

DBG:99:3212822326:740ff9a0:0016: Connecting to 00000000:84150794 (SAL/netsal.c:netsal_connect:319)

DBG:00:3212822355:740ff9a0:0016: otherPifNum 3, nexthop4 5080b0a (SAL/netsal.c:netsal_connect:371)

DBG:01:3212822381:740ff9a0:0016: about to call netsal__safe_encapsulate for (sal-np/tcp/CONNECT/3/10.10.4.5/80/T/PROXY/2/70.199.131.148/3007) (SAL/netsal.c:netsal_connect:443)

DBG:02:3212822643:740ff9a0:0016: connection timeout set for 10 seconds (SAL/netsal.c:netsal_connect:470)

DBG:03:3212824193:740ff9a0:0016: Back-end connection is READY [6d6ce680] (proxy.c:process_request:1216)

DBG:04:3212824222:740ff9a0:0016: + sending headers to the server (proxy.c:process_request:1240)

DBG:05:3212824242:740ff9a0:0016: CONNECT TO http://10.10.4.5/Citrix/pnagent/config.xml (send_req_headers.c:ucte_send_request_headers:160)

DBG:06:3212824309:740ff9a0:0016: About to open cookie directory: sessions/2375680/cookie (COOKIE/ucte_cookie.c:send_req_cookie_storage:670)

DBG:07:3212824328:740ff9a0:0016: Could not open cookie directory (COOKIE/ucte_cookie.c:send_req_cookie_storage:674)

DBG:08:3212824507:740ff9a0:0016: Connection acquired; headers sent (proxy.c:process_request:1335)

DBG:09:3212824536:740ff9a0:0016: + Request headers and data sent... (proxy.c:process_request:1438)

DBG:10:3212824550:740ff9a0:0016: + getting headers from the back end server... (proxy.c:process_request:1449)

DBG:11:3212828428:740ff9a0:0016: resp header array at 741f3500 (parse_resp_headers.re2c:parse_resp_headers:226)

DBG:12:3212828485:740ff9a0:0016: => Response headers received (proxy.c:process_request:1522)

DBG:13:3212828509:740ff9a0:0016: => About to send response headers to the client (proxy.c:process_request:1693)

DBG:14:3212828527:740ff9a0:0016: ucte_hint = 4, content_type = 4,

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resp_code = 200, session_defined = 2 (CACHE/send_resp_headers.c:
ucte_send_response_headers:407)
DBG:15:3212828612:740ff9a0:0016: + Sending response body (6982 bytes) to the client
(proxy.c:process_request:1793)
DBG:16:3212828635:740ff9a0:0016: + sending response body
(proxy.c:process_request:1865)
DBG:17:3212828645:740ff9a0:0016: Response: content-type=4
(proxy.c:process_request:1867)
DBG:18:3212829517:740ff9a0:0016: Session update!!!!!!!
(ucte_ctx.c:ucte_session_update:645)
DBG:19:3212829566:740ff9a0:0016: + response body was sent
(proxy.c:process_request:1875)
DBG:20:3212829602:740ff9a0:0016: Backend connection reserved
(proxy.c:process_request:2145)
DBG:21:3212829618:740ff9a0:0016: free req_header, 74058210
(mem_man.c:mem_req_header_free:210)
DBG:22:3212829635:740ff9a0:0016: in req_header_light_destructor: free headers at
741f3480 (http_header.c:req_header_light_destructor:277)
DBG:23:3212829650:740ff9a0:0016: in req_header_light_destructor: free cookie at
741f3680 (http_header.c:req_header_light_destructor:282)
DBG:24:3212829664:740ff9a0:0016: free resp_header: 7406ab20
(mem_man.c:mem_resp_header_free:223)
DBG:25:3212829674:740ff9a0:0016: in resp_header_light_destructor: free headers at
741f3500 (http_header.c:resp_header_light_destructor:307)
DBG:26:3212829687:740ff9a0:0016: free ctx (mem_man.c:mem_ucte_ctx_free:197)
DBG:27:3212829708:740ff9a0:0016: Request finished gracefully
(proxy.c:process_request:2157)
DBG:28:3212829725:740ff9a0:0016: Finish internal handoff for client_ch 0x6d6cf000,
rc=1 (aware.c:aware_dispatch_request:510)
DBG:29:3212829738:740ff9a0:0016: + freeing ctx
(CONN/aware.c:aware_connection_clean_up:251)
DBG:30:3212829750:740ff9a0:0016: free aware ctx
(aware_mem.c:mem_aware_ctx_free:64)
DBG:31:3212829766:740ff9a0:0017: in process request
(aware.c:aware_dispatch_request:301)
DBG:32:3212829778:740ff9a0:0017: alloc aware ctx
(aware_mem.c:mem_aware_ctx_alloc:56)
DBG:33:3212941045:740ff9a0:0017: Hook: UrlSniff_cb
(aware_webvpn_conf.re2c:UrlSniff_cb:927)
DBG:34:3212941078:740ff9a0:0017: => handoff (AWARE_HOOK_INTERNAL_HANDOFF)
(aware.c:aware_dispatch_request:508)
DBG:35:3212941117:740ff9a0:0017: in process request (proxy.c:process_request:239)
DBG:36:3212941205:740ff9a0:0017: parse_req_headers(client_fd, p_req) ;
(proxy.c:process_request:275)
DBG:37:3212941240:740ff9a0:0017: Request: [POST /+CSCO+00756767633A2F2F313
02E31302E342E35++/Citrix/pnagent/launch.aspx HTTP/1.1]: 84
(parse_req_headers.re2c:parse_req_headers:1399)
DBG:38:3212941273:740ff9a0:0017: req headers array at 741f33c0
(parse_req_headers.re2c:parse_req_headers:1500)
DBG:39:3212941295:740ff9a0:0017: in parse_cookie
(ucte_parse_cookie.re2c:parse_cookie:430)
DBG:40:3212941308:740ff9a0:0017: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)
DBG:41:3212941332:740ff9a0:0017: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)
DBG:42:3212941342:740ff9a0:0017: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)
DBG:43:3212941353:740ff9a0:0017: Cookie name: net6_user_session
(ucte_parse_cookie.re2c:parse_cookie:605)
DBG:44:3212941366:740ff9a0:0017: -->in ucte_process_req_cookie
(COOKIE/ucte_cookie.c:ucte_process_req_cookie:135)
DBG:45:3212941383:740ff9a0:0017: req cookie array at 741f3400
(COOKIE/ucte_cookie.c:ucte_process_req_cookie:144)
DBG:46:3212941395:740ff9a0:0017: Process next cookie
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(ucte_parse_cookie.re2c:parse_cookie:441)
DBG:47:3212941405:740ff9a0:0017: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)
DBG:48:3212941415:740ff9a0:0017: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)
DBG:49:3212941423:740ff9a0:0017: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)
DBG:50:3212941433:740ff9a0:0017: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)
DBG:51:3212941447:740ff9a0:0017: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)
DBG:52:3212941459:740ff9a0:0017: Cookie name: webvpnaac
(ucte_parse_cookie.re2c:parse_cookie:605)
DBG:53:3212941475:740ff9a0:0017: -->in ucte_process_req_cookie
(COOKIE/ucte_cookie.c:ucte_process_req_cookie:135)
DBG:54:3212941489:740ff9a0:0017: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)
DBG:55:3212941500:740ff9a0:0017: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)
DBG:56:3212941510:740ff9a0:0017: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)
DBG:57:3212941520:740ff9a0:0017: Process next cookie
(ucte_parse_cookie.re2c:parse_cookie:441)
DBG:58:3212941529:740ff9a0:0017: Cookie name: webvpng
(ucte_parse_cookie.re2c:parse_cookie:605)
DBG:59:3212941540:740ff9a0:0017: -->in ucte_process_req_cookie
(COOKIE/ucte_cookie.c:ucte_process_req_cookie:135)
DBG:60:3212941551:740ff9a0:0017: in parse Cookie -->
(ucte_parse_cookie.re2c:parse_cookie:777)
DBG:61:3212941608:740ff9a0:0017: User [test.user]
(proxy.c:process_request:418)
DBG:62:3212941634:740ff9a0:0017: Keepalive threshold forced to 4
(ucte_policy.c:ucte_get_ctx_session_settings:798)
DBG:63:3212941651:740ff9a0:0017: => reverse proxy request
(proxy.c:process_request:615)
DBG:64:3212941677:740ff9a0:0017: + About to dump request body to the file
(proxy.c:process_request:889)
DBG:65:3212941792:740ff9a0:0017: potentially reusing existing backend channel,
old host=10.10.4.5, old port=80 (proxy.c:process_request:1098)
DBG:66:3212941814:740ff9a0:0017: new host=10.10.4.5, new port=80
(proxy.c:process_request:1101)
DBG:67:3212941826:740ff9a0:0017: match, reuse it (0x6d6ce680)
(proxy.c:process_request:1108)
DBG:68:3212941860:740ff9a0:0017: Decoded URL: /Citrix/pnagent/launch.aspx
(proxy.c:process_request:1145)
DBG:69:3212941900:740ff9a0:0017: Back-end connection is READY [6d6ce680]
(proxy.c:process_request:1216)
DBG:70:3212941916:740ff9a0:0017: + sending headers to the server
(proxy.c:process_request:1240)
DBG:71:3212941934:740ff9a0:0017: CONNECT TO
http://10.10.4.5/Citrix/pnagent/launch.aspx (send_req_headers.c:
ucte_send_request_headers:160)
DBG:72:3212941950:740ff9a0:0017: Session update!!!!!!
(ucte_ctx.c:ucte_session_update:645)
DBG:73:3212942027:740ff9a0:0017: About to open cookie directory:
sessions/2375680/cookie (COOKIE/ucte_cookie.c:send_req_cookie_storage:670)
DBG:74:3212942047:740ff9a0:0017: Could not open cookie directory
(COOKIE/ucte_cookie.c:send_req_cookie_storage:674)
DBG:75:3212942220:740ff9a0:0017: Connection acquired; headers sent
(proxy.c:process_request:1335)
DBG:76:3212942307:740ff9a0:0017: + Request headers and data sent...
(proxy.c:process_request:1438)
DBG:77:3212942331:740ff9a0:0017: + getting headers from the back end server...
(proxy.c:process_request:1449)

DBG:78:3213277758:740ff9a0:0017: resp header array at 741f3500
(parse_resp_headers.re2c:parse_resp_headers:226)
DBG:79:3213277835:740ff9a0:0017: => Response headers received
(proxy.c:process_request:1522)
DBG:80:3213277857:740ff9a0:0017: => About to send response headers to the
client (proxy.c:process_request:1693)
DBG:81:3213277877:740ff9a0:0017: ucte_hint = 0, content_type = 12, resp_code = 200,
session_defined = 2 (CACHE/send_resp_headers.c:ucte_send_response_headers:407)
DBG:82:3213277968:740ff9a0:0017: + Sending response body (1162 bytes) to the client
(proxy.c:process_request:1793)
DBG:83:3213277991:740ff9a0:0017: + sending response body
(proxy.c:process_request:1865)
DBG:84:3213278030:740ff9a0:0017: Response: content-type=12
(proxy.c:process_request:1867)
DBG:85:3213278100:740ff9a0:0017: Generated SOCKS ticket: [V75E33CBB8657FB03V3233373
5363830V30V]: 36 (CISOCKS/../../unicorn/aware_apps/api/cisocks.c:
cisocks_ticket_create:446)
DBG:86:3213278499:740ff9a0:0017: + response body was sent
(proxy.c:process_request:1875)
DBG:87:3213278541:740ff9a0:0017: No front end keepalive
(proxy.c:process_request:2153)
DBG:88:3213278621:740ff9a0:0017: SALNPCLOSENOTIFY: p=0x0 0/0 more buffered
(SAL/channel-np.c:_sal_np_ioctl:1269)
DBG:89:3213278651:740ff9a0:0017: free req_header, 74058210
(mem_man.c:mem_req_header_free:210)
DBG:90:3213278669:740ff9a0:0017: in req_header_light_destructor: free headers at
741f33c0 (http_header.c:req_header_light_destructor:277)
DBG:91:3213278684:740ff9a0:0017: in req_header_light_destructor: free cookie at
741f3400 (http_header.c:req_header_light_destructor:282)
DBG:92:3213278697:740ff9a0:0017: free resp_header: 7406ab20
(mem_man.c:mem_resp_header_free:223)
DBG:93:3213278708:740ff9a0:0017: in resp_header_light_destructor: free headers at
741f3500 (http_header.c:resp_header_light_destructor:307)
DBG:94:3213278724:740ff9a0:0017: free ctx (mem_man.c:mem_ucte_ctx_free:197)
DBG:95:3213278756:740ff9a0:0017: Request finished gracefully
(proxy.c:process_request:2157)
DBG:96:3213278772:740ff9a0:0017: Finish internal handoff for client_ch 0x6d6cf000,
rc=-1 (aware.c:aware_dispatch_request:510)
DBG:97:3213278785:740ff9a0:0017: + freeing ctx
(CONN/aware.c:aware_connection_clean_up:251)
DBG:98:3213278796:740ff9a0:0017: free aware ctx
(aware_mem.c:mem_aware_ctx_free:64)
DBG:99:3213278809:740ff9a0:0017: Fiber exit - client_ch 0x6d6cf000
(aware.c:run_aware_fiber:1339)
DBG:00:3213278822:740ff9a0:0017: Fiber 0x740ff9a0 finished leaving 4 more
(FIBERS/fibers-jumpstart.c:_fiber_jumpstart:64)
DBG:01:3213278835:740ff9a0:0017: Exiting fiber 0x740ff9a0
(FIBERS/fibers.c:fiber__kill:1257)
DBG:02:3213278870:740ff9a0:0017: SALNPCLOSENOTIFY: p=0x0 0/0 more buffered
(SAL/channel-np.c:_sal_np_ioctl:1269)
DBG:03:3213278894:740ff9a0:0017: Fiber 0x740ff9a0 terminated, 3 more
(FIBERS/fibers.c:fiber__kill:1330)
Channel NP p=0x00000000 0/0 more bufferedchannel-np.cChannel NP p=0x00000000 0/0
more bufferedchannel-np.cDBG:04:3213773777:7404365c:0000: netsal_accept returned
0x6d6ce7c0 (unicorn-proxy.c:proxy_thread_asa:1250)
DBG:05:3213773808:7404365c:0000: Creating fiber 0x74100d20 [unicorn-proxy],
stack(16384) = 0x7413ef10..0x74142f0c (fc=3), sys 0x6d5abea8
(FIBERS/fibers.c:fiber_create:519)
DBG:06:3213773875:74100d20:0000: Jumpstarting unicorn-proxy 0x74100d20, sys
0x74043610 (FIBERS/fibers-jumpstart.c:_fiber_jumpstart:36)
DBG:07:3213773902:74100d20:0000: New client http connection: start requests
handling (CONN/aware.c:run_aware_fiber:1316)
DBG:08:3213773919:74100d20:0000: new fiber for client_ch 0x6d6ce7c0
(aware.c:run_aware_fiber:1318)

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DBG:09:3213773932:74100d20:0018: in process request
(aware.c:aware_dispatch_request:301)
DBG:10:3213773943:74100d20:0018: alloc aware ctx
(aware_mem.c:mem_aware_ctx_alloc:56)
DBG:11:3213812394:74100d20:0018: => handoff (AWARE_HOOK_EXTERNAL_HANDOFF)
(aware.c:aware_dispatch_request:495)
DBG:12:3213812426:74100d20:0018: Connection accepted
(CISOCKS/../../unicorn/aware_apps/api/cisocks.c:cisocks_handle:143)
DBG:13:3213860698:74100d20:0018: Connecting to 00000000:-1257461568
(SAL/netsal.c:netsal_connect:319)
DBG:14:3213860731:74100d20:0018: otherPifNum 3, nexthop4 5080b0a
(SAL/netsal.c:netsal_connect:371)
DBG:15:3213860761:74100d20:0018: about to call netsal__safe_encapsulate
for (sal-np/tcp/CONNECT/3/192.168.12.181/1494/T)
(SAL/netsal.c:netsal_connect:443)
DBG:16:3213861036:74100d20:0018: connection timeout set for 10 seconds
(SAL/netsal.c:netsal_connect:470)
DBG:17:3213861857:74100d20:0018: RELAY notify(0x6d6ce7c0, 2, 0,
socket=0x6218aa8/0x6218aa8) (SAL/channel-np.c:sal_np_relay_cb:1574)
DBG:18:3213861893:74100d20:0018: sal_np_relay_notify: signaling condvar
(SAL/channel-np.c:sal_np_relay_cb:1604)
DBG:19:3213861908:74100d20:0018: Acquired relay_mutex on in 0x6d6e79e8
(SAL/channel-np.c:sal_np_midpath_relay:1775)
DBG:20:3213861920:74100d20:0018: Released relay_mutex on in 0x6d6e79e8
(SAL/channel-np.c:sal_np_midpath_relay:1791)
DBG:21:3213861935:74100d20:0018: RELAY notify(0x6d6ce840, 2, 0,
socket=0x621bb58/0x621bb58) (SAL/channel-np.c:sal_np_relay_cb:1574)
DBG:22:3213861949:74100d20:0018: sal_np_relay_notify: signaling condvar
(SAL/channel-np.c:sal_np_relay_cb:1604)
DBG:23:3213861961:74100d20:0018: Acquired relay_mutex on out 0x764a32f8
(SAL/channel-np.c:sal_np_midpath_relay:1822)
DBG:24:3213861973:74100d20:0018: Released relay_mutex on out 0x764a32f8
(SAL/channel-np.c:sal_np_midpath_relay:1838)
DBG:25:3213861991:74100d20:0018: Succeeded in detaching relay
(SAL/channel-np.c:sal_np_midpath_relay:1907)
DBG:26:3213862012:74100d20:0018: Finish external handoff for client_ch
0x6d6ce7c0 (aware.c:aware_dispatch_request:497)
DBG:27:3213862026:74100d20:0018: + freeing ctx
(CONN/aware.c:aware_connection_clean_up:251)
DBG:28:3213862042:74100d20:0018: free aware ctx
(aware_mem.c:mem_aware_ctx_free:64)
DBG:29:3213862058:74100d20:0018: Fiber exit - client_ch 0x6d6ce7c0
(aware.c:run_aware_fiber:1339)
DBG:30:3213862070:74100d20:0018: Fiber 0x74100d20 finished leaving 4 more
(FIBERS/fibers-jumpstart.c:_fiber_jumpstart:64)
DBG:31:3213862083:74100d20:0018: Exiting fiber 0x74100d20
(FIBERS/fibers.c:fiber__kill:1257)
DBG:32:3213862099:74100d20:0018: Fiber 0x74100d20 terminated, 3 more
(FIBERS/fibers.c:fiber__kill:1330)
```

使用通用身份驗證debug命令對身份驗證問題進行調試，例如：

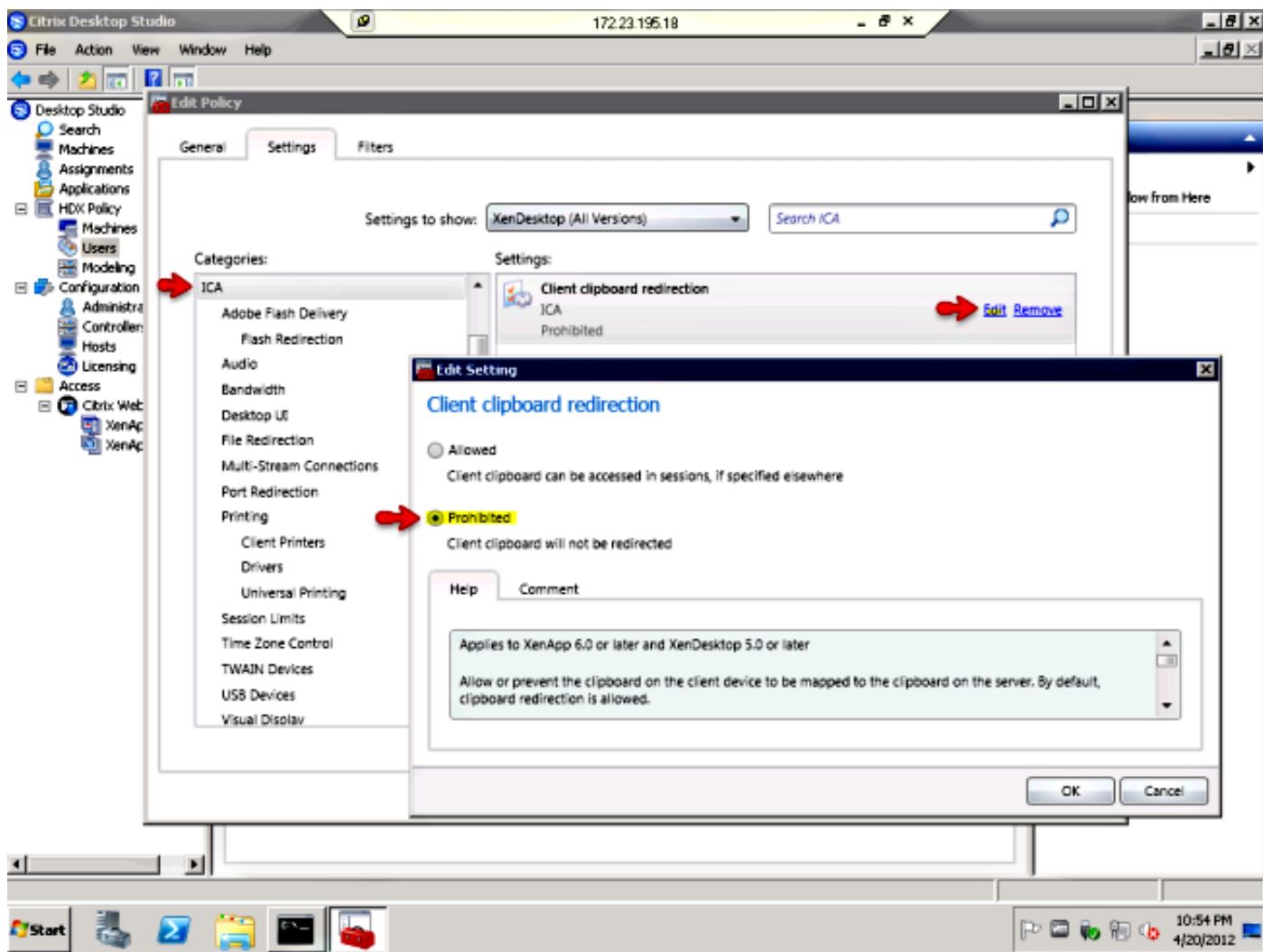
```
debug aaa commondebug ldapdebug radiusdebug sdi
```

常見問題 (FAQ)

問題： 此新功能是否保留在XenServer上配置的粒度控制元件（例如，客戶端驅動器重定向、客戶端印表機重定向、客戶端剪貼簿重定向和客戶端USB裝置重定向等控制元件）？

A. 這些引數在XenServer上定義，並且是ICA檔案的一部分。ASA不修改這些引數。因此，您在

XenApp或XenDesktop上的設定會反映在客戶端上。



問題： ASA是否對ICA連線進行精細控制，例如防止剪下和貼上，以及控制印表機、驅動器、剪貼簿或USB重定向？

A. ASA不修改這些設定。因此，您在XenApp或XenDesktop上的設定將在接收器客戶端上反映。思科意識到功能差距，因為它的競爭對手（Juniper SA和Citrix CAG）能夠阻止剪下和貼上，而不管它在XenApp中的設定如何。

問題： 店面Citrix Server是否作為Proxy與ASA配合使用？

A. 是，不支援此功能。已提交增強請求[CSCug18734](#)，以便新增對這些型別伺服器的支援。店面版本2.0 SSO支援作為XenDesktop支援的一部分新增。Storefront版本2.0（XenApp和XenDesktop）支援所有舊版Citrix功能。ASA不支援與應用控制器相關的功能。

為Citrix Receiver配置ASA時，請確保指定在店面運行的XML服務的完整路徑，例如<http://storefront.cisco.com/Citrix/storefrontweb/pnagent/>。

在沒有[CSCug18734](#)修復程式的版本中，在已啟用debug webvpn citrix的版本中，如果您嘗試訪問Storefront伺服器，則會在調試中看到以下內容：

```
-----8-----  
Received config.xml request  
+++ UNKNOWN EXCEPTION CAUGHT
```

```
Terminating session for user [test]
-----8<-----
```

問題： 即使Citrix伺服器已啟用並配置了XML服務，也會繼續顯示+++ UNKNOWN EXCEPTION錯誤。這曾經很管用。有什麼問題呢？

A. 當ASA上啟用AnyConnect Essentials時，可能會發生這種情況，如下所示：

```
webvpn
enable outside
anyconnect-essentials
```

AnyConnect Essentials用於在ASA上僅啟用完全客戶端支援，這將禁用ASA處理無客戶端連線嘗試的能力。發生這種情況時，如果您已啟用debug webvpn transform request和debug webvpn citrix，則會看到以下內容：

Received config.xml request

```
DBG:29:4089679874:74100d20:9902: Finished with hooks
(aware.c:aware_dispatch_request:389)
DBG:30:4089679886:74100d20:9902: => handoff (AWARE_HOOK_INTERNAL_HANDOFF)
(aware.c:aware_dispatch_request:508)
DBG:31:4089679900:74100d20:9902: in process request
(proxy.c:process_request:239)
DBG:32:4089679950:74100d20:9902: Load proxy settings
(ucte_policy.c:ucte_get_ctx_settings:690)
DBG:33:4089679965:74100d20:9902: Load proxy settings
(ucte_policy.c:ucte_get_ctx_settings:720)
DBG:34:4089680019:74100d20:9902: parse_req_headers(client_fd, p_req) ;
(proxy.c:process_request:275)
DBG:35:4089680038:74100d20:9902: # req
(parse_req_headers.re2c:parse_req_headers:1269)
DBG:36:4089680049:74100d20:9902: # ver: cursor = 0x747e5a9e; lim = 0x747e5d0f
(parse_req_headers.re2c:parse_req_headers:1383)
DBG:37:4089680064:74100d20:9902: # ver: cursor = 0x747e5a9f; lim = 0x747e5d0f
(parse_req_headers.re2c:parse_req_headers:1383)
DBG:38:4089680077:74100d20:9902: Request: [GET /Citrix/pnagent/config.xml HTTP/1.1]:
39 (parse_req_headers.re2c:parse_req_headers:1399)
```

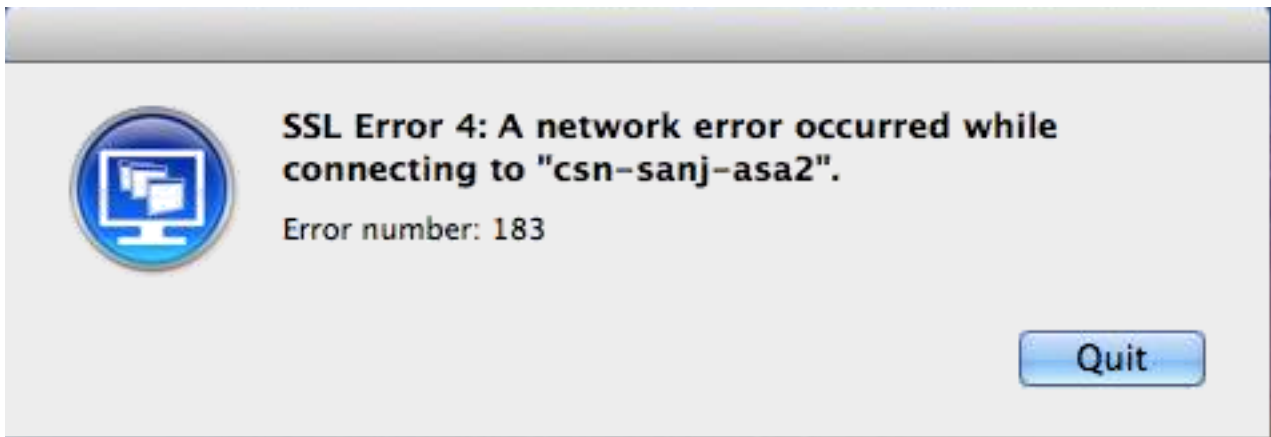
```
.
.
.
DBG:96:4089680705:74100d20:9902: Clientless WebVPN is not enabled.
(proxy.c:process_request:384)
```

```
.
.
.
DBG:31:4089681295:74100d20:9902: fwrite(0 ? --> 90): [Connection:
close%0d%0aCache-Control: no-store%0d%0aContent-Type: text/html%0d%0aContent-Length:
0%0d%0a%0d%0a]: 90 (SAL/sal-stdio.c:sal_fwrite:92)
```

```
+++ UNKNOWN EXCEPTION CAUGHT
Terminating session for user [test.user]
```

問題： 如果您收到此錯誤消息SSL Error 4:錯誤號：183號，該怎麼辦？

A. 當允許連線到XML代理（XenDesktop伺服器），但實際的XenDesktop池的埠1494和2598被阻止時，會出現此錯誤。如果啟用所有埠，然後縮小所需埠，則可以進行調試。



為了使XenDesktop通過無客戶端工作，如果ASA（內部）和XenDesktop伺服器之間存在任何中間防火牆，請確保該防火牆上的埠443、1494、2598和80已開啟。此外，請確保為XenDesktop伺服器和XenDesktop池開啟埠。

問題： ASA是否支援來自獨立Citrix Receiver客戶端的SSL連線，該客戶端來自Microsoft Windows/Macintosh OSX平台，就像您使用AnyConnect或Cisco VPN客戶端一樣？

A. 目前，僅通過智慧隧道（無客戶端）支援來自案頭的獨立Citrix接收器。

[CSCum85649](#)加強版：支援案頭獨立Citrix Receiver到ASA

這是一個增強型錯誤，它支援獨立式Citrix Receiver連線到ASA，而無需智慧隧道或初始門戶登入，就像移動式Citrix Receiver使用ASA作為訪問網關。目前，ASA在初始握手之後向獨立Citrix Receiver傳送Reset（使用最新的4.1 for Windows，在其他平台上也有相同行為）。