

ASA与使用的无客户端访问在移动设备配置示例的Citrix接收方

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简介

本文描述如何配置思科可适应安全工具(ASA)作为Citrix接收方的一个代理在移动设备。此功能为在移动设备运行到XenApp/XenDesktop虚拟桌面基础设施的Citrix接收方应用程序提供安全远程访问(VDI)服务器通过ASA，排除对Citrix接入网关的需要。

[先决条件](#)

[要求](#)

Cisco 建议您了解以下主题：

- Citrix接收方
- 无客户端WebVPN

基础设施需求：

- ASA必须有由移动设备委托的一有效身份证书。
- 在Citrix XenApp/XenDesktop/Storefront服务器必须启用和配置XML接口。

使用的组件

本文档不限于特定的软件和硬件版本。

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您使用的是真实网络，请确保您已经了解所有命令的潜在影响。

支持的移动设备

这是支持的移动设备的列表：

- iPad - Citrix接收方版本4.x或以上
- IP电话/iTouch - Citrix接收方版本4.x或以上
- 机器人2.x电话- Citrix接收方版本2.x或以上
- 机器人3.x片剂- Citrix接收方版本2.x或以上
- 机器人4.0/4.1电话/片剂- Citrix接收方版本2.x或以上

演示

为了看到此进程的演示，请访问以下网页：

[思科ASA 9.0 Citrix移动接收方代理演示](#)

背景信息

Citrix接入网关(CAG)传统上是提供安全远程访问虚拟化Citrix资源的唯一方法(桌面和应用程序)。在一典型的部署，这样设备在防火墙后将查找在非敏感区域(DMZ)。此功能添加ASA功能为了支持对虚拟资源的安全远程连接从移动设备。

传统部署要求CAG的出现，在防火墙后典型地查找：

使用ASA，对内部Citrix资源的连接是可能的没有CAG：

为了的ASA能对从Citrix接收方的代理连接到Citrix服务器，ASA扮演Citrix访问。

网关：

1. 当您设法连接到Citrix虚拟化的资源时，是否不需要提供Citrix服务器？s地址/凭证;反而您输入ASA的安全套接字协议层(SSL) VPN IP地址和凭证。

2. 一个新的ASA处理程序创建为了处理请求，包括从Citrix接收方(与识别作为Citrix接收方)的代理程序字符串的HTTPS请求的认证请求。
3. 在ASA验证凭证后，接收方客户端开始通过ASA获取标题名为的应用程序。ASA重写和代理XenApp或XenDesktop服务器的?s XML服务接口(XML服务是在Citrix服务器运行服务虚拟化资源涉及的请求)的服务。
4. ASA连接并且验证到有预先配置的凭证的VDI服务器(请参阅配置部分)。当您发送凭证到后端XenApp/XenDesktop服务器时，ASA总是弄暗淡与Citrix CTX1编码的用户密码。

这是支持的ASA认证方法列表用Citrix接收方：

- 本地
- 域
- RSA SecurID使用SDI本地协议。
也ASA支持挑战模式，包括下标记、New PIN和已到期PIN模式。
- 两个因素的验证(RSA和轻量级目录访问协议(LDAP))

限制

- 证书限制：
因为这些认证形式在中部，不允许ASA证书/智能卡验证不支持作为自动登录方法。

在证书的Md5签名不工作由于安全问题并且是在IOS平台的一问题。更多信息可以在[iOS Error:的接收方找到连接错误。Citrix接收方不可能建立与远程主机讨论的连接。](#)

如果主题名称不充分地匹配ASA完全合格的域名(FQDN)，即使ASA身份证书包含附属的代替名称(SAN)，独立计算架构(ICA)会话不会开始(基于版本，验证错误可能显示)。此问题由Cisco Bug ID [CSCuj23632](#)修复。

- Citrix接收方访客接入仅一个XenApp/XenDesktop服务器每次。结果，对一个XenApp/XenDesktop的ASA代理请求每VPN会话也。当Citrix接收方客户端连接时，ASA选择配置的第一个XenApp/XenDesktop。
- HTTP重定向，因为Citrix接收方应用程序当前版本不与重定向一起使用，不支持。
- 在CSD (不仅安全穹顶)不支持客户端证书验证、密码到期通知，Cisco Secure Desktop (CSD)和一切，当使用时独立/移动客户端，因为独立/移动虚拟化基础设施客户端不了解这些概念。

配置

注意：使用[命令查找工具](#) ([仅限注册用户](#)) 可获取有关本部分所使用命令的详细信息。

CLI命令

当您使用Citrix接收方移动客户端为了登录到ASA时，ASA必须连接它到预定义的Citrix XenApp或XenDesktop服务器。为了完成此，管理员配置Citrix服务器？s地址和登录凭证在组策略或用户名下。万一用户名和组策略CLI配置，用户名设置优先于组策略。

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

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

注意：

类型- VDI的类型。对于Citrix接收方，类型必须是**citrix**。

URL - XenApp或XenDesktop服务器的全双工URL，包括HTTP或HTTPS、主机名、端口号，以及路径对XML服务。主机名和XML服务路径能包含无客户端宏。如果没有提供XML服务路径，使用**/Citrix/pnagent/**默认路径。

使用为了登录虚拟化基础设施服务器的**用户名**用户名。这可以是无客户端宏。

使用为了登录虚拟化基础设施服务器的**password** password。这可以是无客户端宏。

域-使用为了登录虚拟化基础设施服务器的域。这可以是无客户端宏。

注意：XenAPP服务器通常配置为了听波尔特80，因此应该配置VDI与HTTP而不是HTTPS。

当他们验证与ASA时，Citrix移动接收方用户能选择隧道组。隧道组基群段允许另外身份验证协议和XenApp/XenDesktop服务器支持VDI访问。管理员能配置隧道组，因为VDI访问的，默认。此配置的隧道组，当用户不做隧道组基群段时，使用：

```
configure terminal
webvpn
[no] application-type <application_name> default tunnel-group <tunnel-group-name>
```

- *application_name* -应用程序名称。当前支持的唯一的应用程序是**citrix接收方**。
- *隧道组NAME* -作为默认将使用的当前隧道群的名称指定的类型VDI访问。

配置示例

这些是有效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
```

[自适应安全设备管理器 \(ASDM\) 配置](#)

1. 导航对Asdm > Configuration>远程访问VPN >无客户端SSL VPN访问>组策略：

2. 导航编辑>更多选项> VDI访问：

3. 添加VDI服务器：

注意：唯一的支持的模式是单模。

ASA身份证书和证书权限(CA)

- 为了Citrix接收方能与ASA一起使用，**移动设备必须委托发出ASA的身份证书的CA。必须为完全限定域名(例如， clientlessvdi.cisco.com)**，ASA的而不是IP地址发出ASA的证书。如果不是存在移动设备KEY存储的ASA的证书由中间CA发出，中间CA必须也是委托。
- 当Citrix接收方连接对与一不信任证书时的ASA，用户用弹出式警告提示是否继续。
- 因为他们支持证书和CA，直接的导入运行iOS的苹果公司设备可以支持自己签署的ASA证书。
- 在运行iOS的苹果公司移动设备上，接收方允许对ASA的应用列表的连接和检索，如果证书警告忽略。然而，用户也许不能开始其中任一已发布资源，直到一有效ASA证书安装。
- 某些更旧的机器人操作系统(OS)移动设备不提供合法方式导入第三方证书到关键存储。所以，为了在这样机器人设备的一个Citrix接收方与ASA/CAG一起使用，ASA必须有被嵌入了到关键存储，例如， Verisign或者Godaddy CA发出的身份证书。
- 在机器人移动设备上，如果ASA的证书不是存在设备的关键存储，Citrix接收方不允许对ASA的连接。
- 机器人设备用OS版本4.1和以上证书和CA的支持导入，并且应该如上所述与iOS一起使用。

最终用户接口/用户体验

添加新帐户

当使用时，使用Citrix接收方访问虚拟资源通过ASA提供用户体验和一样Citrix接入网关。

如果服务器没有配置，您必须配置一种新的虚拟资源。

提供ASA的FQDN IP地址：

检查接入网关，标准版，并且输入凭证为了连接到ASA。

当用户配置文件保存时，应用程序自动地请求凭证(ASA)并且设法登陆。

当登陆，应用程序显示已发布资源列表。

您能导航文件夹和点击资源为了启动它。

WebVPN会话的注销

Citrix接收方应用程序不提供能力任意终止有已连接ASA或CAG的一WebVPN会话。典型地，当您到达已配置的超时时，这样会话终止。虽然Citrix接收方新版本有一个新的**注销按钮**，不终止有ASA的当前会话。反而它关闭所有开放应用程序并且显示配置的服务器列表。所以，如果ASA只配置使用每个用户一个许可证，使用**注销按钮**的客户端不能再登陆在会话时间之后。

为了允许最终用户任意终止WebVPN会话，并且，结果，发布ASA许可证，新建的功能被添加了对注入**安全注销**资源。

在Citrix接收方拿来已发布资源时候，列表此射入发生。

当您点击**安全注销**应用程序时，在ASA和Citrix接收方之间的会话终止。为了适当地发布ASA许可证，必须用于**安全注销**资源为了终止WebVPN会话而不是本地Citrix接收方注销按钮。

不同的消息显示由于根据移动设备和Citrix接收方版本的会话终止。并且，差异就象Citrix申请写入对另外移动平台的产生一不同的体验，当您注销机器人设备时。

在iPad和IP电话上，Citrix接收方显示**您的对网关会话的访问超时的消息，再请登录**。当您点击OK键时，Citrix接收方显示屏幕用配置的服务器。

机器人设备也显示被注入的**安全注销**资源。

然而，当您点击**安全注销**应用程序，网络连接错误显示。

虽然WebVPN会话现在终止，Citrix接收方应用程序未嵌入消息适当地通知您进一步操作。这是预料之中的现象。当由于终止的会话的此**错误消息**显示，它盼望您点击**Cancel按钮**，**Back按钮**在机器人设备为了退出往来帐，然后OK，当询问，如果要留下此帐户。

在您退出往来帐后，您提交与预先配置的服务器列表。

验证

当前没有可用于此配置的验证过程。

故障排除

本部分提供了可用于对配置进行故障排除的信息。

调试

注意：使用 `debug` 命令之前，请参阅[有关 Debug 命令的重要信息](#)。

您能显示Citrix接收方的调试信息用此命令：

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

注意：

- 1级显示异常状况、失败的连接对XenApp/XenDesktop服务器和一般错误。
- 级别50显示关于解析/重写的数据的信息。
- 级别255显示如被添加为Citrix接收方连接的所有调试信息。

新的命令未为Citrix接收方验证被添加。然而，为了查看在客户端和ASA之间的处理，您能使用此调试：

```
debug webvpn transformation request
```

供参考。此输出显示从工作的连接采取的这两调试：

```
===== PuTTY log 2013.07.24 14:42:38 =====
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: SCEPPProxy_cb
(aware_webvpn_conf.re2c:SCEPPProxy_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 !=

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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,
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
(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: webvpnx
(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)
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)
```

请使用通用的验证调试指令为了debug authentication问题，例如：

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

常见问题(FAQ)

Q.此新特性是否保留在XenServer配置的粒状控制(例如，控制例如客户端推进重定向、客户端打印机重定向，客户端CLIP面板重定向和客户端USB设备重定向)？

A. 这些参数在XenServer定义并且是ICA文件的一部分。ASA不修改这些参数。所以，您有在XenApp的设置或XenDesktop在客户端反射。

Q. ASA是否有例如防止剪贴和控制打印机、驱动、剪贴板或者USB重定向的ICA连接的粒状控制？

A. ASA不修改那些设置。所以，您有在XenApp的设置或XenDesktop在接收方客户端反射。思科知道功能差距，因为其竞争(Citrix CAG) Juniper SA和不管在XenApp的设置能防止剪贴。

Q.店面Citrix服务器与ASA一起使用作为代理？

A. 此功能不支持是。提出增强请求[CSCug18734](#)为了添加服务器的这些类型的支持。作为XenDesktop支持一部分，店面版本2.0 SSO支持被添加。店面版本2.0支持所有传统Citrix功能(XenApp和XenDesktop)。APP控制器涉及功能不通过ASA支持。

当您配置Citrix接收方的时ASA，请确保指定完整路径到在店面的XML服务运行，例如，<http://storefront.cisco.com/Citrix/storefrontweb/pnagent/>。

在没有[CSCug18734](#)的修正，并且有citrix enabled调试的WebVPN的版本中，如果设法访问店面服务器，然后您在调试看到此：

```
-----8<-----
Received config.xml request
+++ UNKNOWN EXCEPTION CAUGHT
Terminating session for user [test]
-----8<-----
```

Q.即使Citrix服务器启用和配置的XML服务，**被捉住的错误+++未知例外**继续显示。用于的这工作。会是什么错误？

A. 当AnyConnect精华在ASA启用如显示此处时，这能发生：

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

AnyConnect精华用于为了启用在ASA的仅最大的客户端支持，并且这禁用ASA的能力处理无客户端连接尝试。当这发生时，如果有**调试WebVPN转换请求**并且**调试citrix enabled的WebVPN**，然后您看到此：

```
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]
```

问。如果接收此错误消息SSL Error 4 : 错误编号 : 183 , 应该执行什么 ?

A. 此错误被看到 , 当对XML经纪(XenDesktop服务器)时的连接允许 , 但是实际XenDesktop池的端口1494和2598阻塞。如果启用所有端口然后缩小需要的端口 , 您能调试。

为了XenDesktop能工作通过无客户端 , 如果有在ASA (里面)和XenDesktop服务器之间的任何半成品防火墙 , 请确保端口443 , 1494 , 2598和80是开放的在该防火墙。并且 , 请保证端口为XenDesktop服务器和XenDesktops的池是开放的。

Q. ASA是否支持起源于从一个独立Citrix接收方客户端Microsoft Windows/麦金塔OSX平台 , 正如您使用AnyConnect或Cisco VPN Client的SSL连接 ?

A. 目前 , 从桌面的独立Citrix接收方通过仅巧妙的通道支持(w.r.t无客户端)。

[CSCum85649](#) ENH : 对ASA的支持桌面独立Citrix接收方

这是支持对ASA的一独立Citrix接收方连接的增强bug没有对巧妙的通道的需要或标注姓名起首字母门户登录 , 类似那里是为有ASA的移动Citrix接收方作为接入网关。目前 , ASA发送重置 , 在最初的握手到一个独立Citrix接收方后(与使用最新4.1 Windows的 , 和有在其他平台的同一种行为)。