Esempio di configurazione di WLC 5760/3850 Custom WebAuth con autenticazione locale

Sommario

Introduzione **Prerequisiti** Requisiti Componenti usati Configurazione Esempio di rete Autenticazione, autorizzazione e accounting (AAA) Parameter-Map Configurazione WLAN (Wireless LAN) Configurazione globale Crea utenti locali Configurazione FTP per il trasferimento di file Carica in Flash Esempio di HTML di Webauth_login Schermate Verifica Risoluzione dei problemi

Introduzione

In questo documento viene descritto come configurare un WebAuth personalizzato con autenticazione locale su un controller WLC.

Prerequisiti

Requisiti

Prima di configurare e personalizzare WebAuth, verificare che il PC:

- Include un indirizzo IP in un SSID (Service Set Identifier) aperto
- Èpossibile eseguire il ping del gateway predefinito
- Può identificare e individuare il DNS (Domain Name Server) (ipconfig/all)
- Èpossibile risolvere i nomi (con nslookup)
- Può accedere a Internet

Componenti usati

Le informazioni fornite in questo documento si basano sulle seguenti versioni software e hardware:

- WLC 5760 con codice 3.3
- Cisco Aironet serie 3600 Lightweight Access Point
- Supplicant wireless nativo di Microsoft Windows 7

Le informazioni discusse in questo documento fanno riferimento a dispositivi usati in uno specifico ambiente di emulazione. Su tutti i dispositivi menzionati nel documento la configurazione è stata ripristinata ai valori predefiniti. Se la rete è operativa, valutare attentamente eventuali conseguenze derivanti dall'uso dei comandi.

Configurazione

Esempio di rete



Autenticazione, autorizzazione e accounting (AAA)

Ecco la configurazione del server AAA. In questo modo i profili di autenticazione e autorizzazione vengono configurati in modo che i client che si connettono vengano autenticati al database WLC

locale.

```
aaa new-model
aaa authentication login local_webauth local
aaa authorization network default local
aaa authorization credential-download default local
```

Parameter-Map

Ecco la configurazione per Parameter-Map. In questa sezione viene illustrato come configurare l'indirizzo IP virtuale sul WLC e come impostare il tipo di parametro, che consente di specificare l'URL di reindirizzamento, la pagina di accesso, la pagina di disconnessione e la pagina degli errori. È necessario assicurarsi che la memoria flash contenga questi file.

```
parameter-map type webauth global
virtual-ip ipv4 1.1.1.1
parameter-map type webauth custom
type webauth
redirect on-success http://www.cisco.com
banner text ^C CC global ip for redirect ^C
custom-page login device flash:webauth_login.html
custom-page success device flash:webauth_success.html
custom-page failure device flash:webauth_failure.html
custom-page login expired device flash:webauth_expired.html
```

Configurazione WLAN (Wireless LAN)

Ecco la configurazione della WLAN. La WLAN è configurata per la sicurezza di layer 3. Questa configurazione mappa l'elenco di autenticazione a Local_webauth e garantisce che l'autenticazione sia gestita dagli utenti di rete locali. Questa procedura chiama la configurazione AAA descritta nel passaggio iniziale.

```
wlan webauth 1 webauth
client vlan Vlanx
no security wpa
no security wpa akm dotlx
no security wpa wpa2
no security wpa wpa2 ciphers aes
security web-auth
security web-auth authentication-list local_webauth
security web-auth parameter-map custom
session-timeout 1800
no shutdown
```

Configurazione globale

Da utilizzare per la configurazione globale. Verificare che il rilevamento dei dispositivi HTTP/HTTPS e IP sia abilitato. Se non si abilita HTTP/HTTPS, la pagina Web non viene visualizzata.

ip http server
ip device tracking

Crea utenti locali

Utilizzare questa opzione per creare utenti locali.

username <username> password 0 <password>

Configurazione FTP per il trasferimento di file

Da utilizzare per la configurazione FTP per il trasferimento di file.

ip ftp username <username>
ip ftp password <password>

Carica in Flash

Utilizzare questa opzione per caricare file HTML personalizzati in Flash: con il comando:

5760# copy ftp://x.x.x.webauth_login.html flash: Di seguito è riportato un esempio di contenuto Flash:

w-5760	-2# dir	flash:						
Directo	ory of	flash:/						
64649	-rw-	1164	Oct	7	2013	04:36:23	+00:00	webauth_failure.html
64654	-rw-	2047	Oct	7	2013	13:32:38	+00:00	webauth_login.html
64655	-rw-	1208	Oct	7	2013	04:34:12	+00:00	webauth_success.html
64656	-rw-	900	Oct	7	2013	04:35:00	+00:00	webauth_expired.html
64657	-rw-	96894	Oct	7	2013	05:05:09	+00:00	web_auth_logo.png
64658	-rw-	23037	Oct	7	2013	13:17:58	+00:00	web_auth_cisco.png
64660	-rw-	2586	Oct	7	2013	13:31:27	+00:00	web_auth_aup.html

Esempio di HTML di Webauth_login

Se il codice deve essere modificato o personalizzato, è necessario rivolgersi a uno sviluppatore che conosca il linguaggio HTML, non disponibile nel Technical Assistance Center di Cisco.

```
<html><html>
<TITLE>Authentication Proxy Login Page</TITLE>
<script type="text/javascript">
var pxypromptwindow1;
var pxysubmitted = false;
function submitreload() {
  if (pxysubmitted == false) {
      pxypromptwindow1=window.open('', 'pxywindow1',
'resizable=no,width=350,height=350,scrollbars=yes');
      pxysubmitted = true;
      return true;
   } else {
      alert("This page can not be submitted twice.");
      return false;
   }
}
</script>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<style type="text/css">
body {
  background-color: #ffffff;
}
</style>
</HEAD>
<BODY>
<Hl><img src="http://192.168.2.91/flash:web_auth_logo.png" width="75" height="50" alt="Cisco
Logo" longdesc="http://www.cisco.com"></H1>
<center>
<H2> Wireless Guest Access Web Authentication</H2>
<center>
<iframe src="http://192.168.2.91/flash:web_auth_aup.html" width="950" height="250"</pre>
scrolling="auto"></iframe><BR><BR>
<FORM method=post action="/" target="pxywindow1">
Username: <input type=text name=uname><BR><BR>
Password: <input type=password name=pwd><BR><BR>
<input type=submit name=ok value=OK onClick="return submitreload();">
</FORM><noscript>
<BR>
<UL>
<H2><FONT COLOR="red">Warning!</FONT></H2>
JavaScript should be enabled in your Web browser
   for secure authentication
 <LI>Follow the instructions of your Web browser to enable
     JavaScript if you would like to have JavaScript enabled
     for secure authentication</LI>
 <BR>OR<BR><BR>
 <LI> Follow these steps if you want to keep JavaScript
     disabled or if your browser does not support JavaScript
   <OL><BR>
     <LI> Close this Web brower window</LI>
     <LI> Click on Reload button of the original browser window</LI>
   </OL></LI>
</UL>
</noscript>
<center>
 
<img src="http://192.168.2.91/flash:web_auth_cisco.png" alt="Cisco Powered" width="215"</pre>
height="136" align="middle" longdesc="http://www.cisco.com">
</center>
</BODY></HTML>
```

Schermate

Ecco alcuni screenshot dal client:

Il client si connette alla WLAN e viene reindirizzato automaticamente:

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Verifica

Attualmente non è disponibile una procedura di verifica per questa configurazione.

Risoluzione dei problemi

Al momento non sono disponibili informazioni specifiche per la risoluzione dei problemi di questa configurazione.