How to design WCF web authentication HTML banner



AD Server Information as below:

Domain name: test.com

Test Group: IT

Test account: test

[DFL-860E] Firmware Version: 2.27.03.25

1. System > Remote Management

Change remote HTTP and HTTPS port.

WebUI HTTP port:	8080	Specifies the HTTP port for the web user interface.
WebUI HTTPS port:	4433	Specifies the HTTP(S) port for the web user interface.

2. Objects > Address Book

Create a new object for authentication LAN net.

192.168.10.0/24 IT	ма тт	192.168.10.0/24 IT
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3. Objects > ALG

Create a new ALG for our HTTP service.

*	Name -	Туре 👻	Parameters -	Comments -
	b http-alg	HTTP ALG		
http-alg				
Use an HTTP Applica	tion Layer Gateway to filter HTTP traff	ic.		
General File Inte	egrity Web Content Filtering	Anti-Virus URL Filter		
A Course				
General				
Mode: Ena	abled 💙			
N n i i				
U Categories				
Web content categories to bl	look			
Allowed Adult content	Blocked			
Advertising Business oriented				
Chatrooms Clubs and Societies				
Computing/IT Crime/Terrorism	<<			
Dating sites Drugs/Alcohol				
E-Banking Educational	-			
Options				
Non-Managed Action: Blo	ck Action	to take for content that harn't have classi	6 od	
Allow Override	Adion	to take for content that hasn't been classi	neu.	
Anow Reclassification				
				OK Cancel

4. Objects > Services

Set up service object "http-all" and select our HTTP ALG.

# 🖵 🚺	Name -	Туре 🛩	Parameters -	ALG Info -	Comments -
1	🁌 http-all	ТСР	80,443	http-alg - WCF:Enabled	HTTP and HTTPS

5. Objects > HTTP Banner Files > Add > Auth Banner Files

auth-banner	
General Edit & Preview	
Seneral	
Customize your HTML authentication pages.	
Page: FormLogin	
> <body></body>	*
<form action="/loginuser/" id="f" method="POST"></form>	
ign=center>	
<td< td=""><td></td></td<>	
<pre><div ida="xsnazzy"> </div></pre>	p;
>>>	
	E
Username:	URL%">
<kd><kd><kd><kd><kd><kd><kd><kd><kd <="" <kd="" kd=""><kd <kd=""><kd <kd=""><kd <kd=""><kd <kd="" <kd<="" td=""><td></td></kd></kd></kd></kd></kd></kd></kd></kd></kd></kd></kd></kd></kd>	
<input type="submit" value="Login"/>	<u>.</u>
Save	
Preview	
Click the button to preview the FormLogin HTML file.	
Preview	
	OK Cancel
auth-banner	OK Cancel
Auth-banner HTTP banner files specifies the look and feel of HTML authentication web pages.	OK Cancel
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Auth-banner HTTP banner files specifies the look and feel of HTML authentication web pages. General Edit & Preview	OK Cancel
Auth-banner HTTP banner files specifies the lock and feel of HTML authentication web pages. General Edit Page: LoginFailure (DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd"> </td <td>OK Cancel</td>	OK Cancel
Auth-banner HTTP banner files specifies the look and feel of HTML authentication web pages. General Edit & Preview Image: Customize your HTML authentication pages. Image: Customize your HTML authentication pages. Image: Customize your HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">	OK Cancel
Auth-banner HTTP banner files specifies the look and feel of HTML authentication web pages. General Edit & Preview Customize your HTML authentication pages. Define Page: LoginFailure vite=ad> Customize your HTML authentication pages. Define Page:	OK Cancel
Sector Ceneral Edit& Preview Ceneral Edit& Preview Construction Constrel	OK Cancel
Section Concral Edit & Preview Concral Customize your HTML authentication pages. Page: LoginFailure (*) CiboCCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">	OK Cancel
Sector Concral Edit & Preview Concral Edit & Preview Customize your HTML authentication pages. Detect Customize your HTML authentication pages. Detect Customize your HTML authentication pages. Detect Page: CoginFailure	OK Cancel
with-banner MTP banner files specifies the look and feel of HTML authentitation web pages. General Edit & Preview Customize your HTML authentication pages. Define a Edit & Preview Page: LoginFailure (*) Edit & Preview (*) Edit & Pre	OK Cancel
Public Planner files specifies the lock and feel of HTML authentication web pages. General Edit & Preview Image: Control Co	OK Cancel
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If you want to add picture file in authentication web page.

The picture file must to put in to the internel Web server.

Because our user must to authentication first then will see the internet page.

If your picture file is link to the internet it will not see anything picture when user start the broswer.

You can see in our KM this picture is put in to the Windows Server 2008 IIS Server.

6. Rules > IP Rules

Create a special rule for WEB authentication

# 👻	Name 📼	Action	Source interface	Source network	Destination interface	Destination network	Service
1	🚦 dns	TAN 📊	🔝 lan	🗟 lannet	[wan1	🤤 all-nets	陵 dns-all
2	🚦 auth-allow	TAN 📊	🔝 lan	N IT	[wan1	🤤 all-nets	陵 http-all
3	💈 no-auth-sat	🔛 SAT	🔝 lan	🗟 lannet	🔝 wan1	🗟 all-nets	all_services
4	🚦 no-auth-sat-allov	w 🚮 Allow	🔝 lan	😽 lannet	wan1	🗟 all-nets	all_services

Index 1 & 3 is a necessary rule for WEB authentication and index 2 rule priorities must high than SAT rule.

An IP rule specifi General Log	es what action to perform g Settings NAT	on network traffic that matches the SAT Multiplex SAT	e specified filter oriteria. SLB SAT SLB Monitors
General			
Translate the			
Source IP			
Oestination	IP		
to:			
New IP Address:	lan_ip	*	
New Port:	Name	Address	plied on TCP/UDP services with port set to either a single port number or a port range without gaps
All-to-One	, 🤤 dmz_ip	172.17.100.254	
	🏺 lan_ip	192.168.10.1	
	😼 wan1_dns1	0.0.0.0	
	wan1_dns2	0.0.0.0	
	😼 wan1_ip	1.1.1.1	OK Canc
		102 169 120 254	

7. User Authentication > External User Databases

Server200 External LDAP se	8 erver used to verify user name:	s and passwords.
General		
🛃 General		
Name:	server2008	
IP Address:	192.168.10.100	
Port:	389	
Timeout:	5	seconds
Name Attribute:	SAMAccountName	
Retrieve Group M	embership	
Membership Attribute:	memberOf	
Use Domain Name:	Dont Use 🗸	
췴 Database Sett	ings	
Base Object:	CN=Users,DC=test,DC=	com
Administrator Account:	administrator	
Password:	•••••	Note! Existing passwords will always be shown with 8 characters to hide the actual length.
Confirm Password:	•••••	
Domain Name:		
Optional		
Password Attribute:	userPassword	

* "Administrator Account" and "Password": It must be applied by the user who has Domain controller priviledge.

* "Password Attribute": It is very important it must setup same as your description of AD group.

You can follow this KM [Server 2008 Setup] step.1 and step.2

8. User Authentication > User Authentication Rules

Contortar 20	g Settings Au	inentication Of		Accounting	Agent Options	Restrictions			
J General									
Name:	server2008-ldap	2							
Authentication agent:	НТТР	*							
Authentication Source	a: LDAP	*							
nterface:	lan	*		-					
Driginator IP:	all-nets	*		For X.	Auth and PPP, this is the	ne tunnel originator IF			
erminator IP:	(None)	*							
Comments									
Comments:									
	20								
								ОК	Can
	00 1.1								
server20	08-Idap	ifies from where i	ers are allow	ved to suthenti	icate to the system and	lbow			
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Step.1

😑 Active Directory Users and Com	puters				_ 8 ×
File Action View Help					
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Active Directory Users and Comput	Name	Туре	Description		
🛨 🚞 Saved Queries	& Administrator	User	Built-in account for admini		
🖃 🙀 test.com	Allowed RODC Password Replication Group	Security Group	Members in this group can		
🕀 🚞 Builtin	A Cert Publishers	Security Group	Members of this group are		
Computers	& Denied RODC Password Replication Group	Security Group	Members in this group can		
Domain Controllers	A DnsAdmins	Security Group	DNS Administrators Group		
ForeignsecurityPrincipals	A DnsUpdateProxy	Security Group	DNS clients who are permi		
Users	Section 2018 Admins	Security Group	Designated administrators		
	A Domain Computers	Security Group	All workstations and serve		
	& Domain Controllers	Security Group	All domain controllers in th		
	Somain Guests	Security Group	All domain guests		
	A Domain Users	Security Group	All domain users		
	Senterprise Admins	Security Group	Designated administrators		
	Senterprise Read-only Domain Controllers	Security Group	Members of this group are		
	Sroup Policy Creator Owners	Security Group	Members in this group can		
	Suest Guest	User	Built-in account for guest		
	æп	Security Group	userPassword		
	RAS and IAS Servers	Security Group	Servers in this group can		
	Read-only Domain Controllers	Security Group	Members of this group are		
	Schema Admins	Security Group	Designated administrators		
	K test	User			
	test Properties		? ×		
	Remote control Terminal Services Profil		1		
	General Address Account Profile Teler				
	Member Of Diakin Environmen				
	Dialini Environmen	00000115			
	Member of:				
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	IT test.com/Users				
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Step.2

Active Directory Users and Com	iputers			<u>_8</u> >
File Action View Help				
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Active Directory Users and Comput	Name	Туре	Description	
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🖃 🏥 test.com	Allowed RODC Password Replication Group	Security Group	Members in this group can	
🕀 🦲 Builtin	Sert Publishers	Security Group	Members of this group are	
 Computers Domain Controllers ForeignSecurityPrincipals 	Senied RODC Password Replication Group	Security Group	Members in this group can	
	A DnsAdmins	Security Group	DNS Administrators Group	
lisers	Magnet DnsUpdateProxy	Security Group	DNS dients who are permi	
	Comain Admins	Security Group	Designated administrators	
	Domain Computers	Security Group	All workstations and serve	
	Domain Controllers	Security Group	All domain controllers in th	
	Domain Guests	Security Group	All domain guests	
	Domain Users	Security Group	All domain users	
	Contempose Admins	Security Group	Designated administrators	
	Crown Believ Croater Owners	Security Group	Members of this group are	
	Group Policy Creator Owners	Security Group	Reith in account for quest	
	A GUEST	Security Group	built-in account for guest	
	RAS and IAS Servers	Security Group		
	Read-only Domain Contro Schema Admins test test2	Member Of Managed By dows 2000): erPassword Group (S C D	type ecurty istribution	
灯 Start 🛛 🚠 💻 🖉 🛓	Server Manager	er Administrator	: C:\Windo 🛛 🕌 D-Link (\\192	. 168. 10. 20) 🔍 🐨 🔂 🎲 5: 57 PM

Group description must set up as same as External User Databases Password Attribute. You can check this KM Step.7 "User Authentication > External User Databases > Password Attribute"

[Test]

1. PC type any domain at the browser it will see this picture.





2. If user authentication fail it will got this picture.



Authentication failed



Invalid user name or password. <u>Try again</u>

