

KB LEVEL: NOC	KB ARTICLE	KB NUMBER: KB-NOC-2019-03-23-01
	<i>Configure Fortigate 501E for the Single Sign On Feature</i>	

KB Category:	Internal / NOC / Configuration / Firewall		
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Problem Description:	Different SSO configuration for FortiGate 300E
Symptoms and Cause of the issue:	Different FortiOS for each FortiGate units

Procedures:

I. SERVER CONFIGURATION

1. Install Fortinet Single Sign on Agent inside the Domain Controller
2. Setup Password on the Application. **Note:** That the password that will be entered on the application itself must be the same with the password that will be inputted On the Firewall. (See Picture below for reference)

3. Creation of FSSO_USERS inside the Active Directory

Name	Type	Description
FSSO_AVA	Security Group...	
FSSO_AVA_TLs	Security Group...	
FSSO_EMPREL	Security Group...	
FSSO_EXEC	Security Group...	
FSSO_FINANCE	Security Group...	
FSSO_MANAGERS	Security Group...	
FSSO_MAYO	Security Group...	
FSSO_QUORA_ENG	Security Group...	
FSSO_QUORA_INT	Security Group...	
FSSO_RECRUIT	Security Group...	
FSSO_UIPATH	Security Group...	
FSSO_WV	Security Group...	
FSSO_WV_TLs	Security Group...	

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II. FIREWALL CONFIGURATION

1. **Access Fortigate 501E** *https:172.16.1.2:10443*
2. **Once Logged-In, Navigate to USER & DEVICE > LDAP SERVERS.** This can be found on the left side panel of the page
3. **From LDAP Servers, Click on Create New.** (See picture below for reference)

Edit LDAP Server

Name	<input type="text"/>
Server IP/Name	<input type="text"/>
Server Port	<input type="text" value="389"/>
Common Name Identifier	<input type="text" value="cn"/>
Distinguished Name	<input type="text"/> <input type="button" value="Browse"/>
Bind Type	<input type="button" value="Simple"/> <input type="button" value="Anonymous"/> <input type="button" value="Regular"/>
Username	<input type="text"/>
Password	<input type="password"/> <input type="button" value="Show"/>
Secure Connection	<input type="checkbox"/>
<input type="button" value="Test Connectivity"/>	

Here's an example on what to be filled out

Name: LDAP_1
 Server IP/Name: 172.22.1.1
 Port: 389
 Common Name Identifier: sAMAccountName
 Distinguished Name: DC= openaccess,DC=bpo
 Bind Type: Regular


Note: At the end of this configuration, Make sure to Click on "Test Connectivity" it should display an "Successful" notification on the bottom right side.

4. Navigate to **Security Fabric > Fabric Connectors > Create New**
5. Click on **Fortinet Single Sign-On Agent > Please refer on the screenshot below**

Name: Name of the LDAP
Primary FSSO Agent: IP Address of your LDAP Server
Password: Password of the LDAP Server
Collector Agent AD Access mode: Advanced
LDAP Server: Created LDAP Server based on the step #3

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SSO/Identity



Fortinet Single Sign-On Agent

Connector Settings


Name: JKA_LDAP1
Primary FSSO Agent: 172.17.0.121 - +
Collector Agent AD access mode: Standard **Advanced**
LDAP Server: JKA_LDAP

Verification:

1. **Navigate to *Security Fabric > Fabric Connectors > The created FSSO > Double Click on the account***

Connector Settings

Name: JKA_LDAP
Primary FSSO Agent: 172.17.0.121 - +
Collector Agent AD access mode: Standard **Advanced**
LDAP Server: JKA_LDAP

 Recursive ☒
☒ DC=openaccess.DC=bpo

Users Groups Organizational Units Selected **23**

Search

ID	Name
FSSO_AVA_TLs	FSSO_AVA_TLs
FSSO_AVA	FSSO_AVA
FSSO_B_BUSDEV	FSSO_B_BUSDEV
FSSO_B_CAP	FSSO_B_CAP
FSSO_B_EMPREL	FSSO_B_EMPREL
FSSO_B_ENGG	FSSO_B_ENGG
FSSO_B_LEBUA	FSSO_B_LEBUA
FSSO_B_MKTG	FSSO_B_MKTG
FSSO_B_NURSE	FSSO_B_NURSE
FSSO_B_PERFMGT	FSSO_B_PERFMGT
FSSO_B_WFM	FSSO_B_WFM

2. **Click on Groups > Note: We should be able to see the created FSSO Groups based on the Server Configuration Step 3.**

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<div> Users Groups Organizational Units Selected 23 </div>	
<div> <div>Search</div> <div>Q</div> </div>	
ID	Name
FSSO_B_NURSE	FSSO_B_NURSE
FSSO_B_PERFMGT	FSSO_B_PERFMGT
FSSO_B_WFM	FSSO_B_WFM
FSSO_EXEC	FSSO_EXEC
FSSO_FINANCE	FSSO_FINANCE
FSSO_MANAGERS	FSSO_MANAGERS
FSSO_MAYO	FSSO_MAYO
FSSO_P_ADORE	FSSO_P_ADORE
FSSO_P_ANOTHER	FSSO_P_ANOTHER
FSSO_P_BIRD	FSSO_P_BIRD
FSSO_P_BOOST	FSSO_P_BOOST
FSSO_P_CIRCLES_TL	FSSO_P_CIRCLES_TL
FSSO_P_CIRCLES	FSSO_P_CIRCLES
<div> <div>«</div> <div><</div> <div>1</div> <div>/2</div> <div>></div> <div>»</div> <div>[Total: 100]</div> </div>	

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