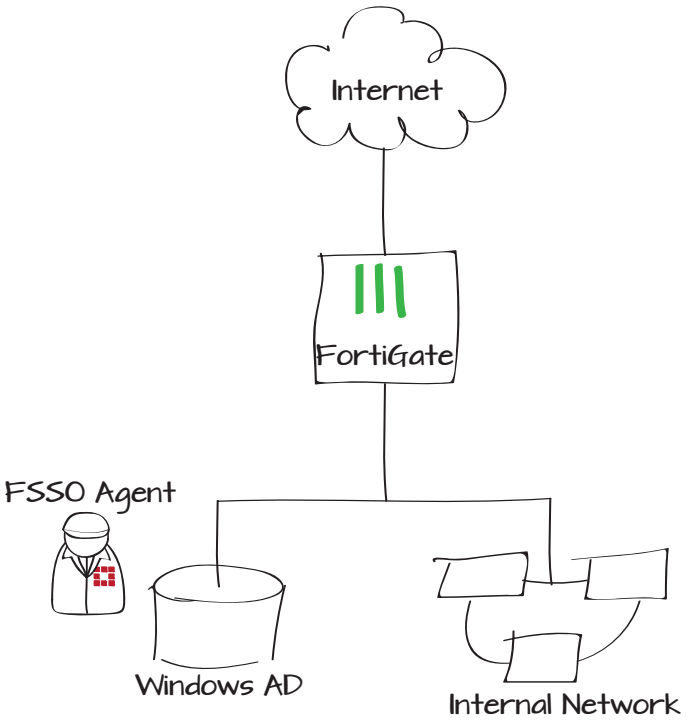
Providing Single Sign-On for a Windows AD network with a FortiGate

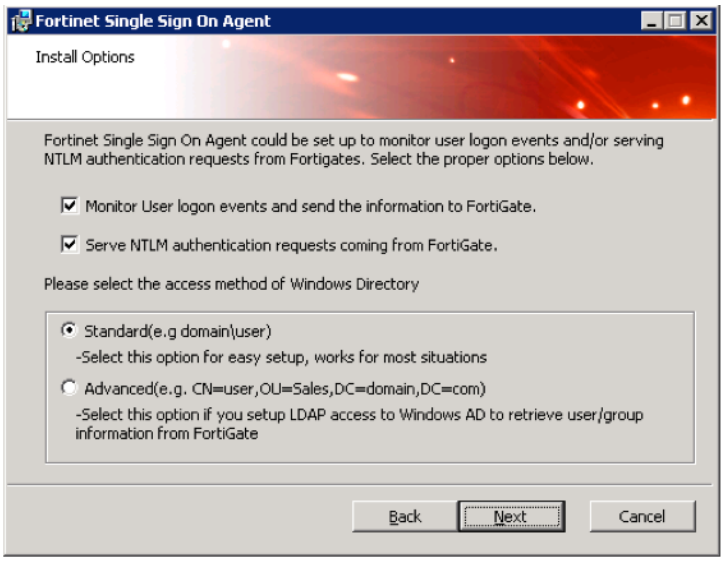
This example uses the Fortinet Single Sign-On (FSSO) Collector Agent to integrate a FortiGate unit into the Windows AD domain.

1. Installing the FSSO Collector Agent
2. Configuring the Single Sign-on Agent
3. Configuring the FortiGate unit to connect to the FSSO agent
4. Adding a FSSO user group
5. Adding a firewall address for the internal network
6. Adding a security profile that includes an authentication rule
7. Results

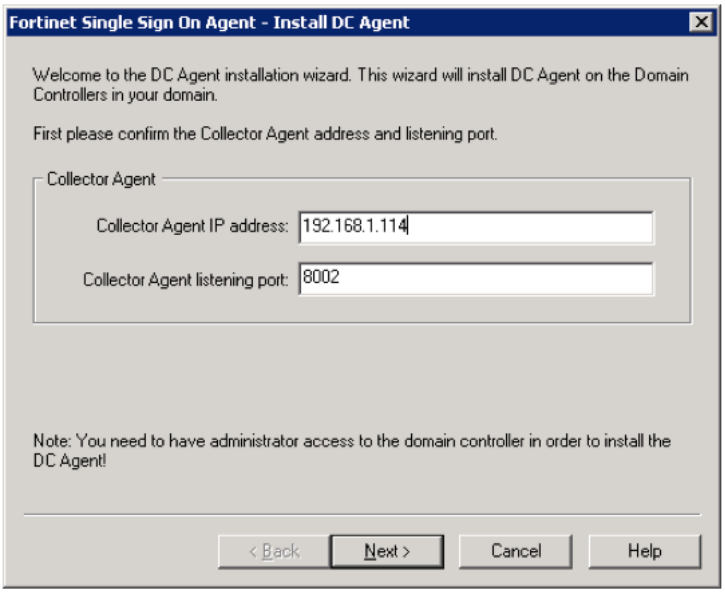


Installing the FSSO Collector Agent

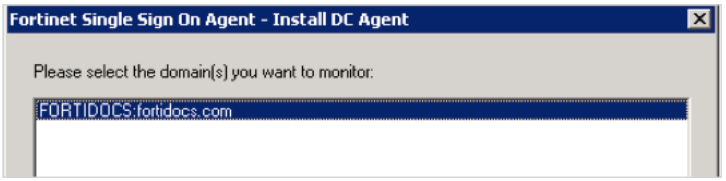
Run the setup for the Fortinet SSO Collector Agent. After logging in, configure the agent settings.

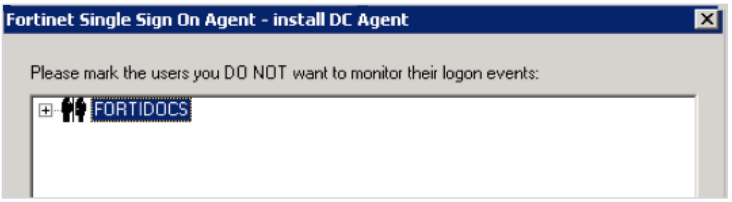


Add the Collector Agent address information.

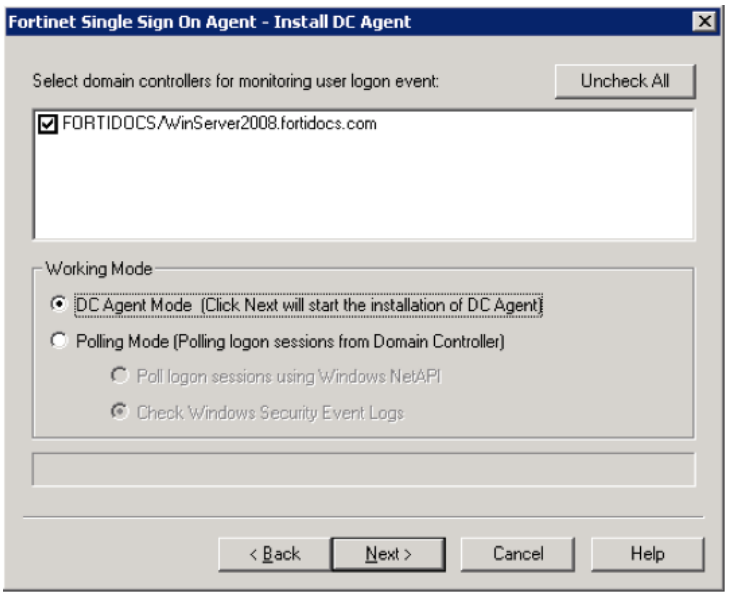


Select the domains to monitor, and any users whose activity you do not wish to monitor.





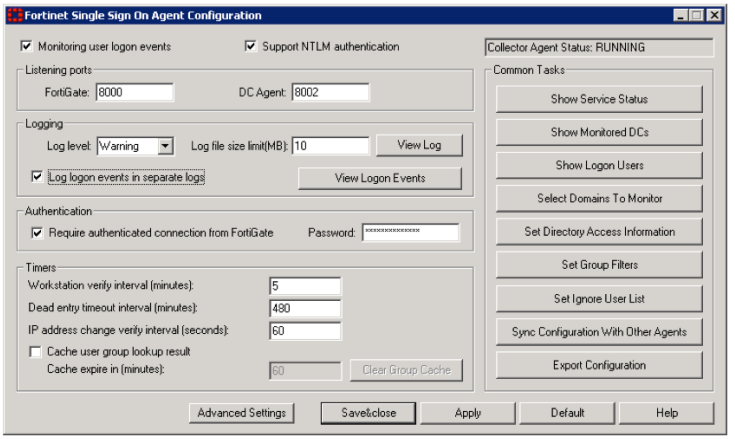
Set the working mode and complete the installation.



Configuring the Single Sign-on Agent

If required, select Require authenticated connection from FortiGate, and add a password.

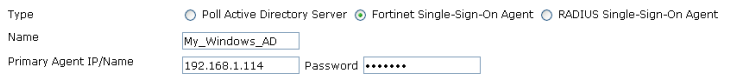
You will also enter this password when configuring the FSSO on the FortiGate unit.



Configuring the FortiGate unit to connect to the FSSO agent

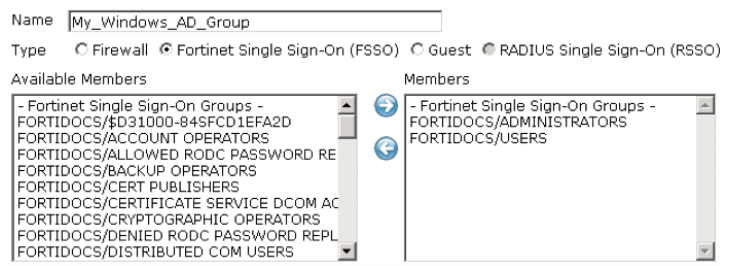
On the FortiGate unit, go to **User & Device > Authentication > Single Sign-On**.

Enter this password used configuring the FSSO on the FortiGate unit in the previous step.



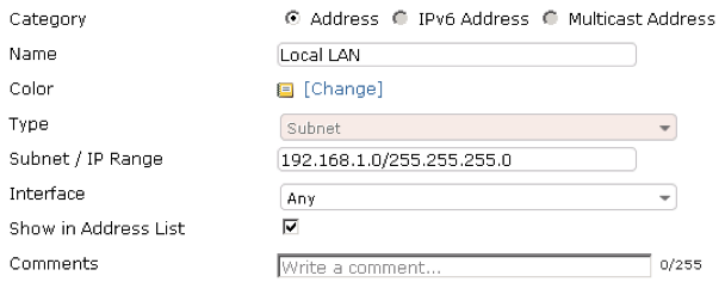
Adding a FSSO user group

On the FortiGate unit, go to **User & Device > User > User Groups**.



Adding a firewall address for the internal network

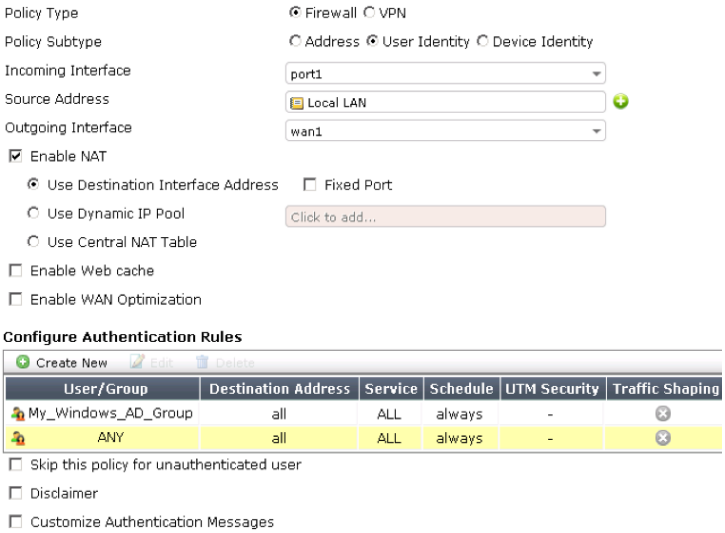
Go to **Firewall Objects > Address > Addresses**.



Adding a security profile that includes an authentication rule

Go to **Policy > Policy > Policy**.

Add an accept user identity security policy and add the new FSSO group.



Results

Go to **Log & Report > Traffic Log > Forward Traffic**. As users log into the Windows AD system, the FortiGate collects their connection information.

Select an entry for more information.

ate/Time	Src	Device	D
:49	ADMINISTRATOR (192.168.1.114)	00:0c:29:4b:d7:cc	204.246.169.91 (conte
:45	ADMINISTRATOR (192.168.1.114)	00:0c:29:4b:d7:cc	74.121.50.17 (www.pa
:07	TWHITE (192.168.1.116)	Lab test system 2	207.46.206.78 (mscrl.
:07	TWHITE (192.168.1.116)	Lab test system 2	207.46.206.78 (mscrl.
:04	TWHITE (192.168.1.116)	Lab test system 2	63.251.85.33 (m.webt
:04	TWHITE (192.168.1.116)	Lab test system 2	63.251.85.33 (m.webt
:04	TWHITE (192.168.1.116)	Lab test system 2	63.251.85.33 (m.webt

Dst	204.246.169.91 (content.mkt931.com)	**Virtual Domain**	root
Received	92	**Source Country**	Reserved
Src NAT IP	172.20.120.123	**Sent / Received**	292 B / 92 B
Device Type	Windows PC	**Duration**	10
Sent	292	**Src NAT Port**	9803
Application Details		**Group**	My_Windows_AD_Group
Device	00:0c:29:4b:d7:cc	**Service**	HTTP
Protocol	6	**byod_name**	
User	ADMINISTRATOR	**Destination Country**	United States
Identity Index	1	**Dst Port**	80
roll	65372	**Status**	close
Timestamp	Tue May 7 15:59:49 2013	**Tran Display**	snat
OS Name	Windows	**Sequence Number**	1607872
Policy ID	9	**Src Interface**	port1
Src	ADMINISTRATOR (192.168.1.114)	**Sent Packets**	7
OS Version	Vista	**Level**	notice
Src Port	9803	**Log ID**	13
Sub Type	forward	**Threat**	
Received Packets	2	**Date/Time**	15:59:49 (Tue May 7 15:59:49 2013)
Dst Interface	wan1		

Dst	207.46.206.78 (mscrl.microsoft.com)	**Virtual Domain**	root
Received	3202	**Source Country**	Reserved
Src NAT IP	172.20.120.123	**Sent / Received**	609 B / 3.13 KB
Device Type	Windows PC	**Duration**	5
Sent	609	**Src NAT Port**	50608
Application Details		**Group**	My_Windows_AD_Group
Device	Lab test system 2	**Service**	HTTP
Protocol	6	**byod_name**	Lab test system 2
User	TWHITE	**Destination Country**	United States
Identity Index	1	**Dst Port**	80
roll	65372	**Status**	close
Timestamp	Tue May 7 15:59:07 2013	**Tran Display**	snat
OS Name	Windows	**Sequence Number**	1607691
Policy ID	9	**Src Interface**	port1
Src	TWHITE (192.168.1.116)	**Sent Packets**	7
OS Version	7	**Level**	notice
Src Port	50608	**Log ID**	13
Sub Type	forward	**Threat**	
Received Packets	7	**Date/Time**	15:59:07 (Tue May 7 15:59:07 2013)
Dst Interface	wan1		