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## Atividade 7

De acordo com o projeto proposto nesta unidade, configure um ambiente adicionando três Zabbix Proxies. Esses proxies do Zabbix poderão estar instalados On-premises ou em algum provedor de nuvem. Você deverá separar as configurações de cada um desses proxies para atender às seguintes necessidades:

1. Cada proxy deverá trabalhar no modo ativo;
2. Apenas os proxies instalados em um provedor de nuvem devem fazer comunicação com criptografia ativada;
3. Pelo menos um dos proxies deverá funcionar em um ambiente On-premises e exclusivamente deverá permitir a coleta de dados apenas de dispositivos IPMI e/ou SNMP;
4. No proxy instalado em um provedor de nuvem deve permitir coleta de aplicações web e não poderá permitir coleta de dispositivos IPMI.

Entregue as configurações de cada um dos componentes descritos na atividade como arquivos desta atividade.

Bom trabalho!

Ambientes instalados no provedor de nuvem Microsoft Azure.

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Máquinas virtuais ✎ ...

Diretório Padrão

+ Criar ✎ Alternar para o clássico Reservas Gerenciar a exibição Atualizar Exportar para CSV Abrir a consulta Atribuir marcações Iniciar Reiniciar Parar Excluir Serviços Manutenção ...

Filtrar por qualquer campo Assinatura == tudo Grupo de recursos == tudo Localização == tudo Adicionar filtro

Mostrando 1 a 4 de 4 registros.

<input type="checkbox"/> Nome ↑↓	Assinatura ↑↓	Grupo de recursos ↑↓	Localização ↑↓	Status ↑↓	Sistema operacional ↑↓	Tamanho ↑↓	Endereço IP público ↑↓	Discos ↑↓	
<input type="checkbox"/> zabbixproxy1	Avaliação Gratuita	Zabbix	Oeste dos EUA	Em execução	Linux	Standard_DS1_v2	-	2	**
<input type="checkbox"/> zabbixproxy2	Avaliação Gratuita	Zabbix	Oeste dos EUA	Em execução	Linux	Standard_DS1_v2	-	2	**
<input type="checkbox"/> zabbixproxy3	Avaliação Gratuita	zabbixproxy3_group	Oeste dos EUA	Em execução	Linux	Standard_DS1_v2	104.42.196.159	2	**
<input type="checkbox"/> zabbixserver	Avaliação Gratuita	Zabbix	Oeste dos EUA	Em execução	Linux	Standard_DS1_v2	40.83.211.33	2	**

```
rafael@zabbixserver: ~  
root@zabbixserver:/home/rafael# hostname  
zabbixserver  
root@zabbixserver:/home/rafael# ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 10.0.0.4 netmask 255.255.255.0 broadcast 10.0.0.255  
    inet6 fe80::222:48ff:fe04:41b7 prefixlen 64 scopeid 0x20<link>  
    ether 00:22:48:04:41:b7 txqueuelen 1000 (Ethernet)  
    RX packets 18925 bytes 8665344 (8.2 MiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 18153 bytes 3461493 (3.3 MiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    inet6 ::1 prefixlen 128 scopeid 0x10<host>  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 44101 bytes 5051701 (4.8 MiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 44101 bytes 5051701 (4.8 MiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
root@zabbixserver:/home/rafael#  
  
rafael@zabbixproxy1: ~  
root@zabbixproxy1:/home/rafael# hostname  
zabbixproxy1  
root@zabbixproxy1:/home/rafael# ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 10.0.0.5 netmask 255.255.255.0 broadcast 10.0.0.255  
    inet6 fe80::222:48ff:fe05:ad2d prefixlen 64 scopeid 0x20<link>  
    ether 00:22:48:05:ad:2d txqueuelen 1000 (Ethernet)  
    RX packets 12353 bytes 11747414 (11.2 MiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 6647 bytes 1474615 (1.4 MiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    inet6 ::1 prefixlen 128 scopeid 0x10<host>  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 14 bytes 700 (700.0 B)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 14 bytes 700 (700.0 B)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
root@zabbixproxy1:/home/rafael#  
  
rafael@zabbixproxy2: ~  
root@zabbixproxy2:/home/rafael# hostname  
zabbixproxy2  
root@zabbixproxy2:/home/rafael# ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 10.0.0.7 netmask 255.255.255.0 broadcast 10.0.0.255  
    inet6 fe80::20d:3aff:fe32:3625 prefixlen 64 scopeid 0x20<link>  
    ether 00:0d:3a:32:36:25 txqueuelen 1000 (Ethernet)  
    RX packets 15944 bytes 8394534 (8.0 MiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 16058 bytes 3210811 (3.0 MiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    inet6 ::1 prefixlen 128 scopeid 0x10<host>  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 52 bytes 2600 (2.5 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 52 bytes 2600 (2.5 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
root@zabbixproxy2:/home/rafael#  
  
rafael@zabbixproxy3: ~  
root@zabbixproxy3:/home/rafael# hostname  
zabbixproxy3  
root@zabbixproxy3:/home/rafael# ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 10.2.0.4 netmask 255.255.255.0 broadcast 10.2.0.255  
    inet6 fe80::20d:3aff:fe58:f09e prefixlen 64 scopeid 0x20<link>  
    ether 00:0d:3a:58:f0:9e txqueuelen 1000 (Ethernet)  
    RX packets 39344 bytes 10075344 (9.6 MiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 39433 bytes 4552708 (4.3 MiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    inet6 ::1 prefixlen 128 scopeid 0x10<host>  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 56 bytes 2872 (2.8 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 56 bytes 2872 (2.8 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
root@zabbixproxy3:/home/rafael#
```

```
rafael@zabbixserver: ~  
## Option: Hostname  
# List of comma delimited unique, case sensitive hostnames.  
# Required for active checks and must match hostnames as configured on the  
# server.  
# Value is acquired from HostnameItem if undefined.  
#  
# Mandatory: no  
# Default:  
# Hostname=  
  
Hostname=zabbix server  
  
## Option: HostnameItem  
# Item used for generating Hostname if it is undefined. Ignored if Hostname  
# is defined.  
# Does not support UserParameters or aliases.  
#  
# Mandatory: n  
# Default:  
# HostnameItem=system.hostname  
  
## Option: HostMetadata  
# Optional parameter that defines host metadata.  
# Host metadata is used at host auto-registration process.  
  
175,15 31%  
  
rafael@zabbixproxy1: ~  
## Option: Hostname  
# List of comma delimited unique, case sensitive hostnames.  
# Required for active checks and must match hostnames as configured on the  
# server.  
# Value is acquired from HostnameItem if undefined.  
#  
# Mandatory: no  
# Default:  
# Hostname=  
  
Hostname=zabbixproxy1  
  
## Option: HostnameItem  
# Item used for generating Hostname if it is undefined. Ignored if Hostname  
# is defined.  
# Does not support UserParameters or aliases.  
#  
# Mandatory: n  
# Default:  
# HostnameItem=system.hostname  
  
## Option: HostMetadata  
# Optional parameter that defines host metadata.  
# Host metadata is used at host auto-registration process.  
  
175,15 32%  
  
rafael@zabbixproxy2: ~  
## Option: Hostname  
# List of comma delimited unique, case sensitive hostnames.  
# Required for active checks and must match hostnames as configured on the  
# server.  
# Value is acquired from HostnameItem if undefined.  
#  
# Mandatory: no  
# Default:  
# Hostname=  
  
Hostname=zabbixproxy2  
  
## Option: HostnameItem  
# Item used for generating Hostname if it is undefined. Ignored if Hostname  
# is defined.  
# Does not support UserParameters or aliases.  
#  
# Mandatory: no  
# Default:  
# HostnameItem=system.hostname  
  
## Option: HostMetadata  
# Optional parameter that defines host metadata.  
# Host metadata is used at host auto-registration process.  
  
171,1 30%  
  
rafael@zabbixproxy3: ~  
## Option: Hostname  
# List of comma delimited unique, case sensitive hostnames.  
# Required for active checks and must match hostnames as configured on the  
# server.  
# Value is acquired from HostnameItem if undefined.  
#  
# Mandatory: no  
# Default:  
# Hostname=  
  
Hostname=zabbixproxy3  
  
## Option: HostnameItem  
# Item used for generating Hostname if it is undefined. Ignored if Hostname  
# is defined.  
# Does not support UserParameters or aliases.  
#  
# Mandatory: no  
# Default:  
# HostnameItem=system.hostname  
  
## Option: HostMetadata  
# Optional parameter that defines host metadata.  
# Host metadata is used at host auto-registration process.  
  
164,1 31%
```

ZABBIX

Monitoring

Dashboard

Problems

Hosts

Overview

Latest data

Maps

Discovery

Services

Inventory

Reports

Configuration

Administration

Hosts

Name

Host groups

IP

DNS

Port

Severity

Status

Tags

Show hosts in maintenance

Show suppressed problems

Save as

Apply

Reset

Name	Interface	Availability	Tags	Problems	Status	Latest data	Problems	Graphs	Dashboards	Web
Azure Externo	127.0.0.1:161	SNMP			Enabled	Latest data	Problems	Graphs 2	Dashboards 1	Web
Azure Rede Interna 1	127.0.0.1:10050	ZBX			Enabled	Latest data	Problems	Graphs 26	Dashboards 2	Web
Azure Rede Interna 2	127.0.0.1:10050	ZBX			Enabled	Latest data	Problems	Graphs 26	Dashboards 2	Web
Servidor Zabbix	127.0.0.1:10050	ZBX			Enabled	Latest data	Problems	Graphs 37	Dashboards 3	Web

Displaying 4 of 4 found

<input type="checkbox"/>	Name	Mode	Encryption	Compression
<input type="checkbox"/>	PROXY-01	Active	PSK	On
<input type="checkbox"/>	PROXY-02	Active	PSK	On
<input type="checkbox"/>	PROXY-03	Active	PSK	On

<input type="checkbox"/>	Name	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags
<input type="checkbox"/>	Azure Externo	Items 16	Triggers 12	Graphs 2	Discovery 4	Web	127.0.0.1:161		Brocade FC SNMP (Generic SNMP, Interfaces SNMP)	Enabled	SNMP	PSK None PSK CERT		
<input type="checkbox"/>	Azure Rede Interna 1	Items 103	Triggers 30	Graphs 26	Discovery 3	Web	127.0.0.1:10050		Linux by Zabbix agent (Linux block devices by Zabbix agent, Linux CPU by Zabbix agent, Linux filesystems by Zabbix agent, Linux generic by Zabbix agent, Linux memory by Zabbix agent, Linux network interfaces by Zabbix agent, Zabbix agent)	Enabled	ZBX	PSK None PSK CERT		
<input type="checkbox"/>	Azure Rede Interna 2	Items 103	Triggers 30	Graphs 26	Discovery 3	Web	127.0.0.1:10050		Linux by Zabbix agent (Linux block devices by Zabbix agent, Linux CPU by Zabbix agent, Linux filesystems by Zabbix agent, Linux generic by Zabbix agent, Linux memory by Zabbix agent, Linux network interfaces by Zabbix agent, Zabbix agent)	Enabled	ZBX	PSK None PSK CERT		
<input type="checkbox"/>	Servidor Zabbix	Items 156	Triggers 69	Graphs 37	Discovery 3	Web	127.0.0.1:10050		Linux by Zabbix agent (Linux block devices by Zabbix agent, Linux CPU by Zabbix agent, Linux filesystems by Zabbix agent, Linux generic by Zabbix agent, Linux memory by Zabbix agent, Linux network interfaces by Zabbix agent, Zabbix agent), Zabbix server health	Enabled	ZBX	PSK None PSK CERT		