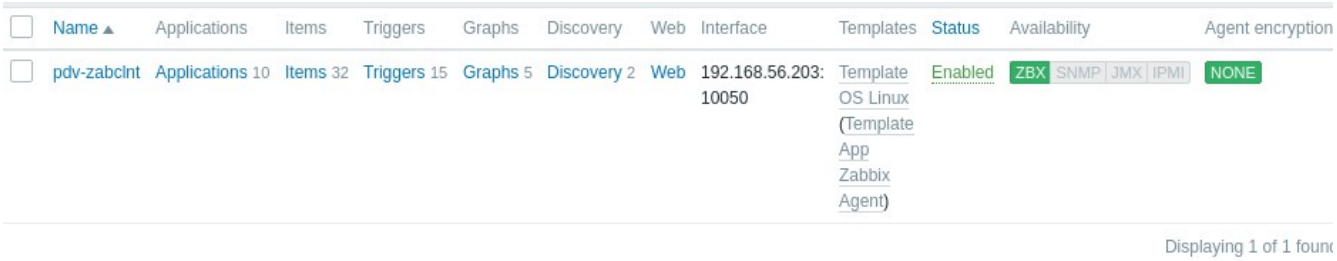
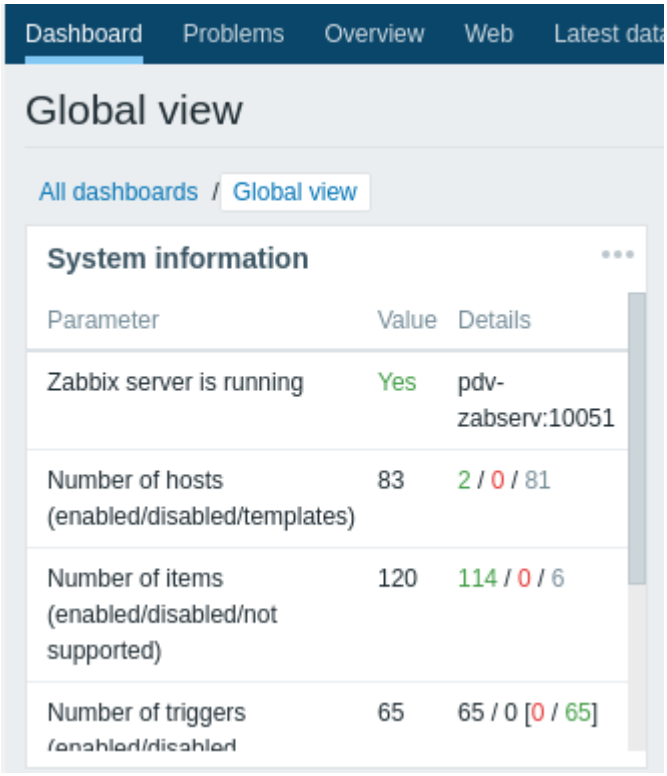
Install zabbix server and add clients to it

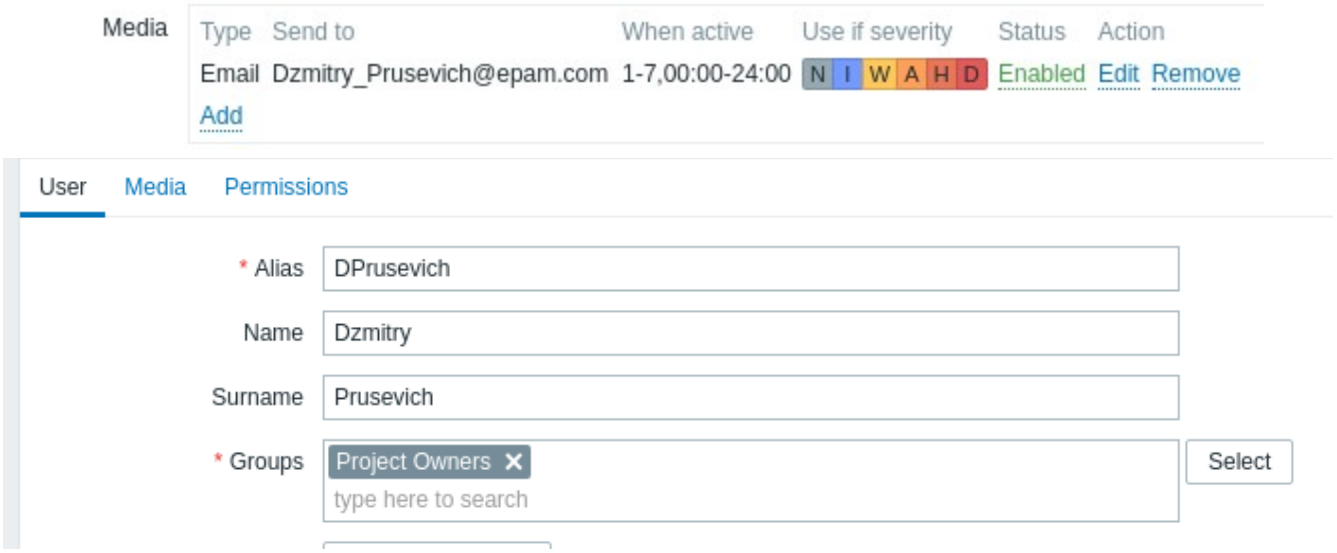


Name ▲	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Templates	Status	Availability	Agent encryption
pdv-zabclnt	Applications 10	Items 32	Triggers 15	Graphs 5	Discovery 2	Web	192.168.56.203: 10050	Template OS Linux (Template App Zabbix Agent)	Enabled	ZBX SNMP JMX IPMI	NONE

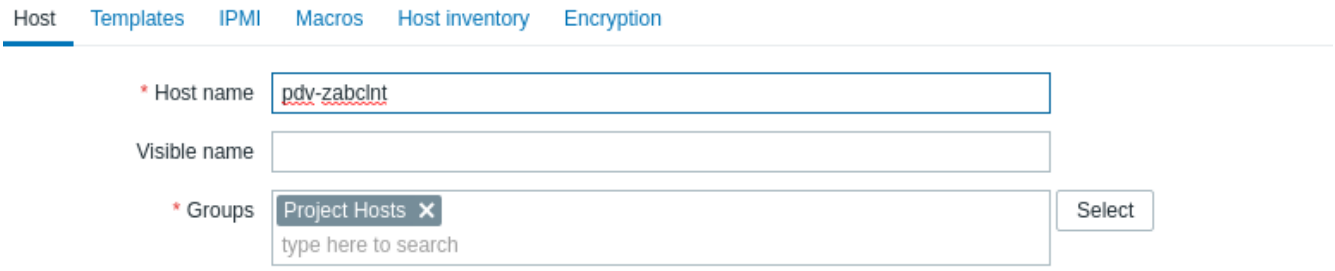
Displaying 1 of 1 found



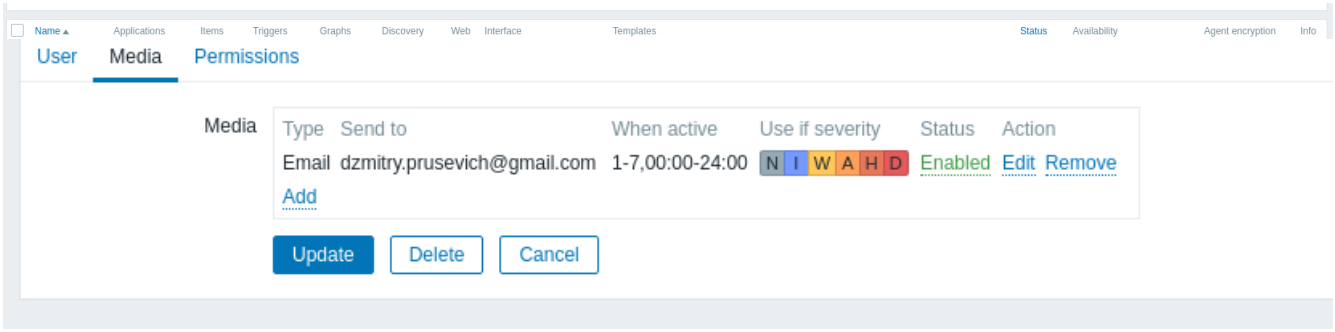
Add mail to user (later was changed to d1amondiks@gmail.com)



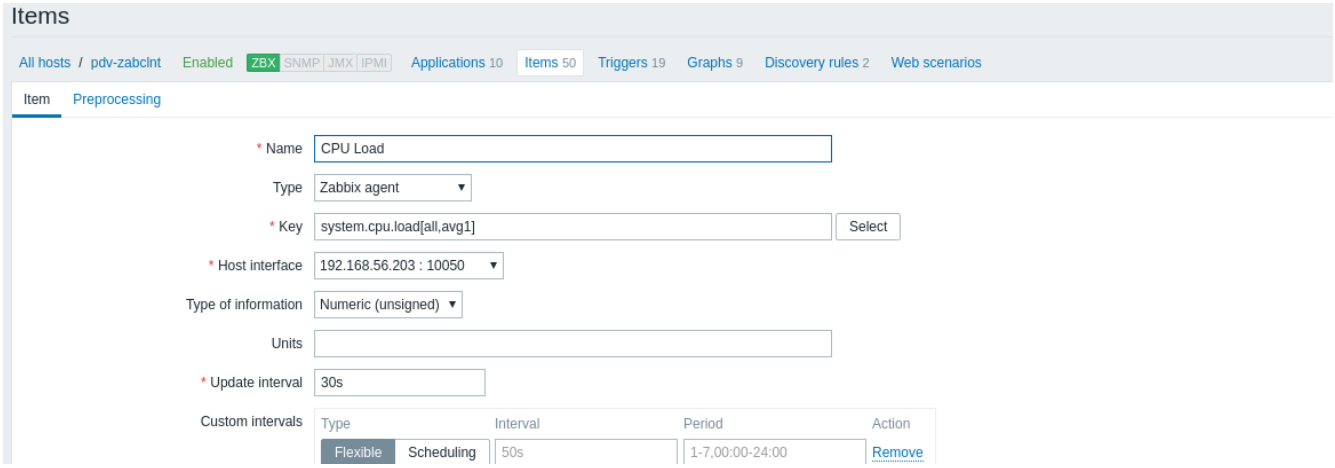
create user group Project owners and add myself to it

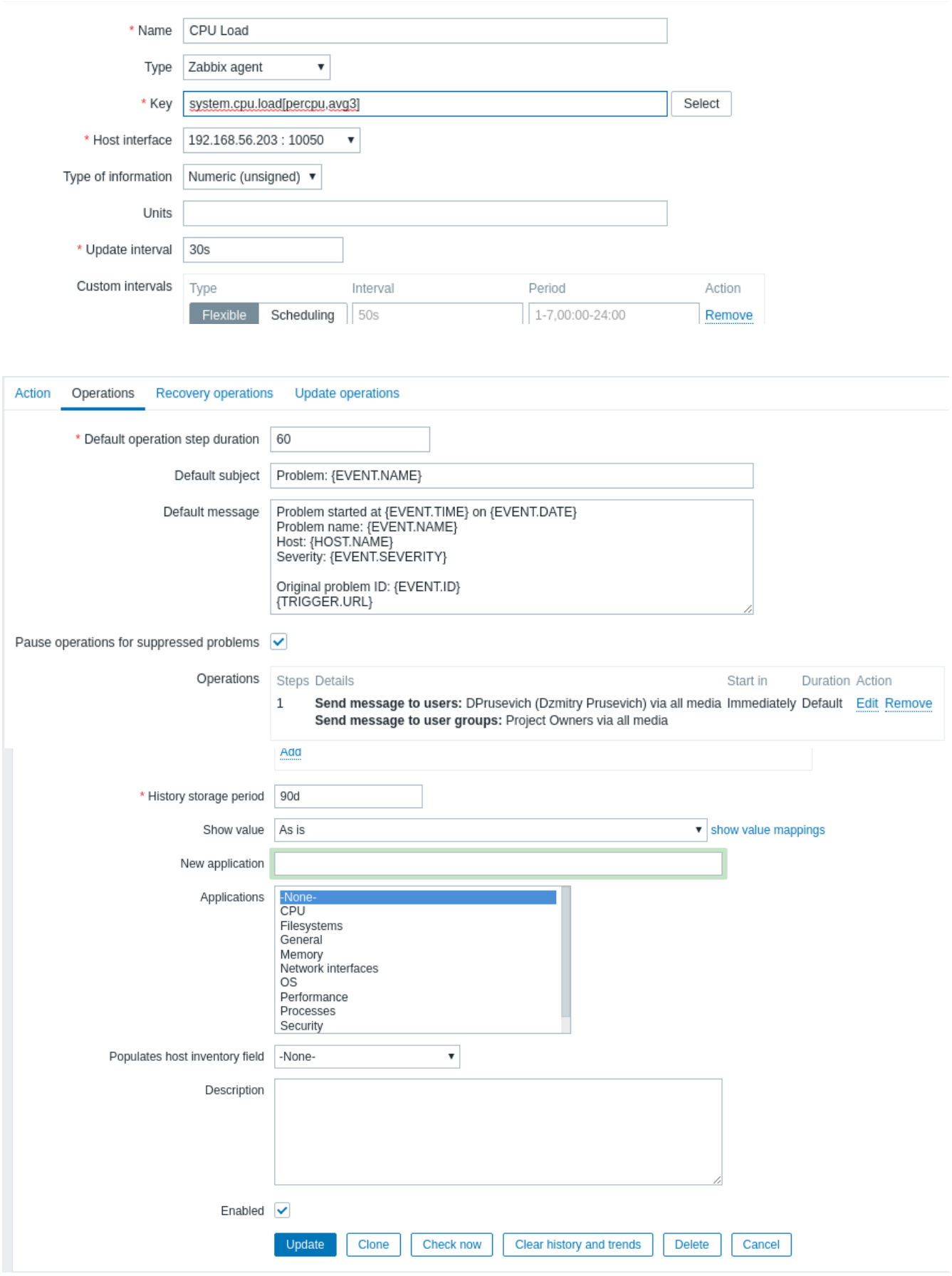


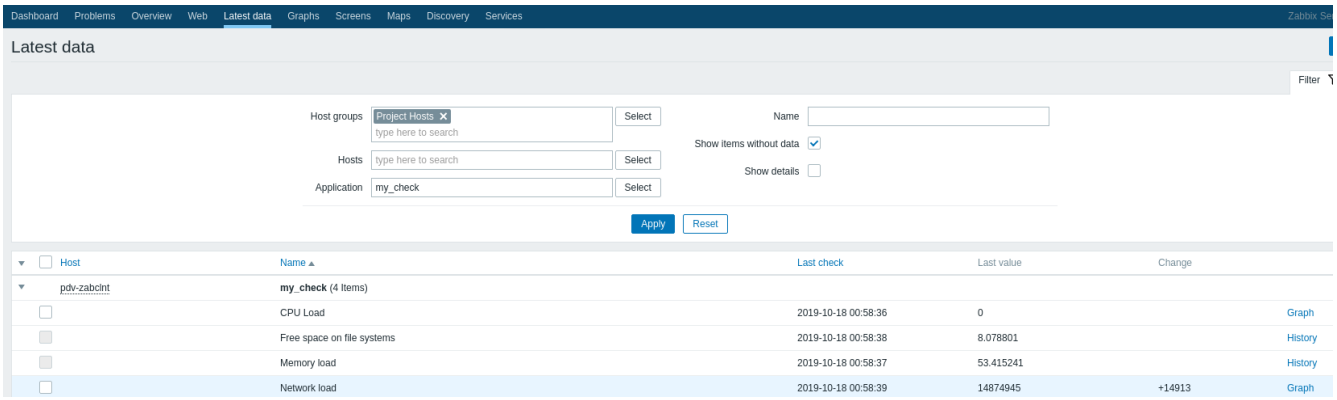
Add 2nd VM to zabbix: create Host group (“Project Hosts”), create Host in this group, enable ZABBIX Agent monitoring

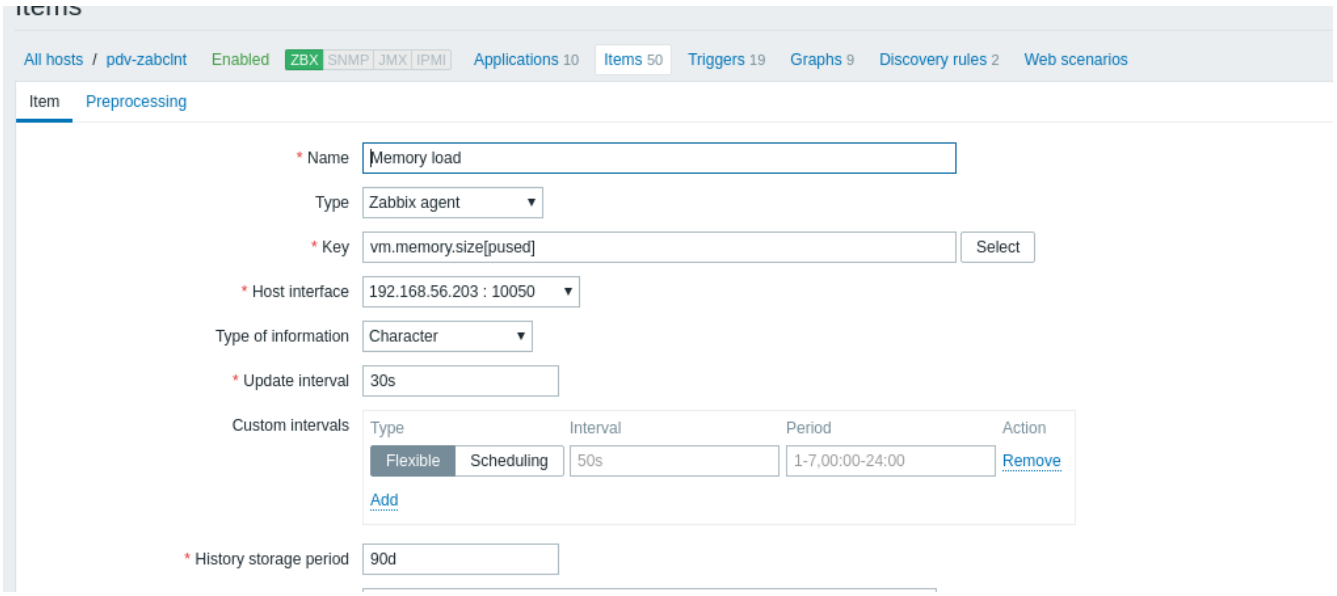


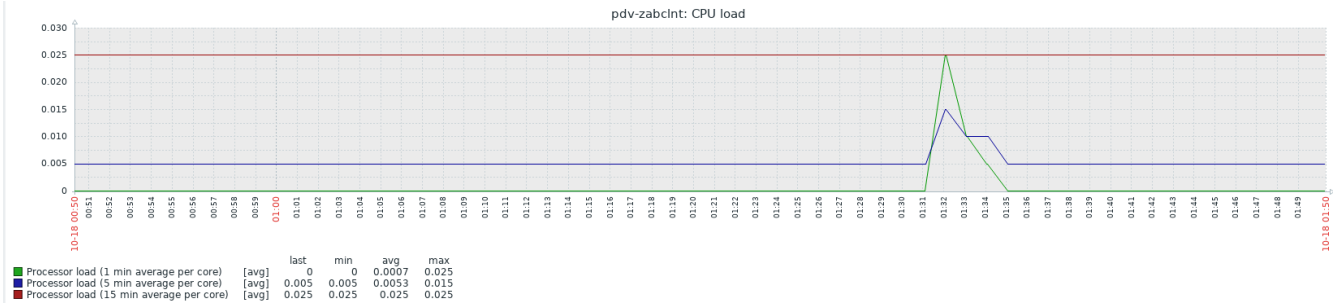
- Create custom checks (CPU Load, Memory load, Free space on file systems, Network load)

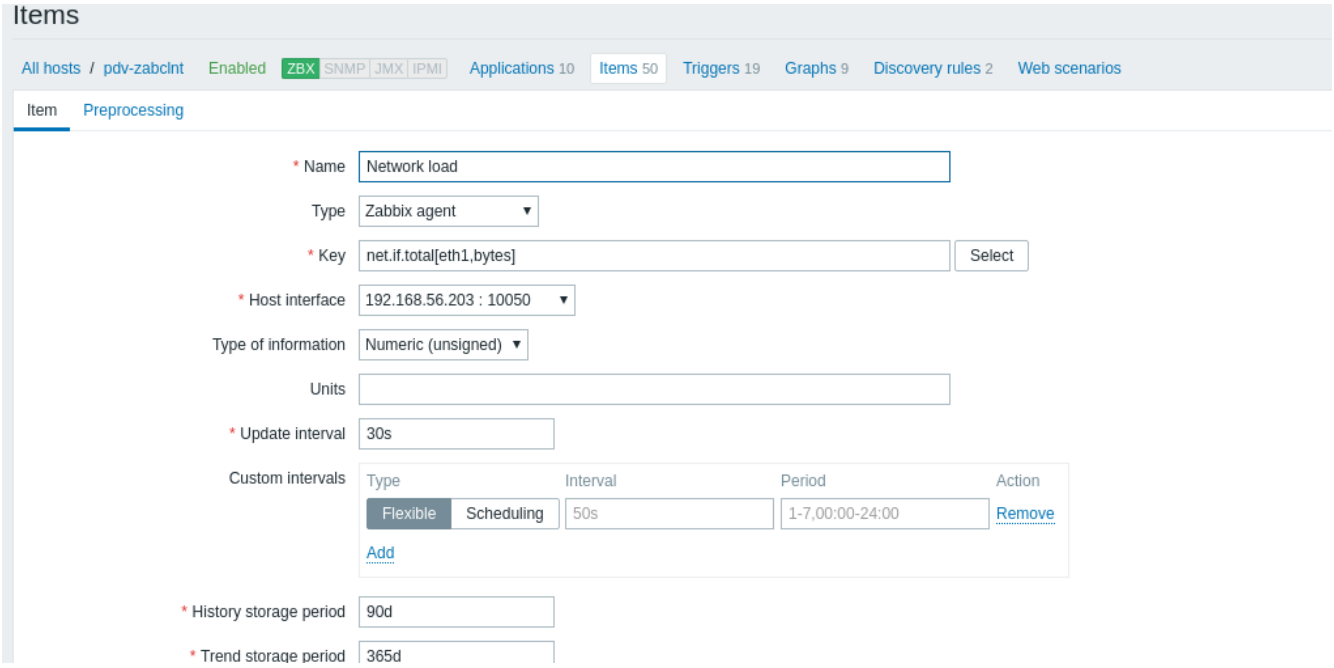



* Name
CPU Load
Type
Zabbix agent
* Key
system.cpu.load[percpu,avg3]
Select
* Host interface
192.168.56.203 : 10050
Type of information
Numeric (unsigned)
Units
* Update interval
30s
Custom intervals
Type
Interval
Period
Action
Flexible
Scheduling
50s
1-7,00:00-24:00
Remove
Action
Operations
Recovery operations
Update operations
* Default operation step duration
60
Default subject
Problem: {EVENT.NAME}
Default message
Problem started at {EVENT.TIME} on {EVENT.DATE}
Problem name: {EVENT.NAME}
Host: {HOST.NAME}
Severity: {EVENT.SEVERITY}
Original problem ID: {EVENT.ID}
{TRIGGER.URL}
Pause operations for suppressed problems
Operations
Steps
Details
Start in
Duration
Action
1
Send message to users: DPrusevich (Dzmitry Prusevich) via all media
Send message to user groups: Project Owners via all media
Immediately
Default
Edit
Remove
Add
* History storage period
90d
Show value
As is
show value mappings
New application
Applications
-None-
CPU
Filesystems
General
Memory
Network interfaces
OS
Performance
Processes
Security
Populates host inventory field
-None-
Description
Enabled
Update
Clone
Check now
Clear history and trends
Delete
Cancel

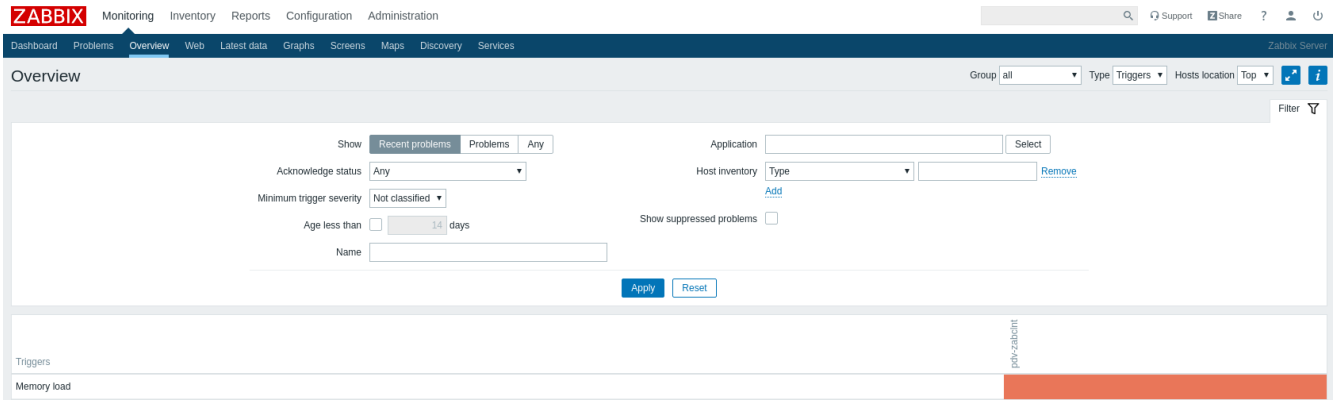

Dashboard
Problems
Overview
Web
Latest data
Graphs
Screens
Maps
Discovery
Services
Latest data
Filter
Host groups
Project Hosts
type here to search
Select
Hosts
type here to search
Select
Application
my_check
Select
Name
Show items without data
Show details
Apply
Reset
Host
Name
Last check
Last value
Change
pdv-zabclnt
my_check (4 Items)
CPU Load
2019-10-18 00:58:36
0
Graph
Free space on file systems
2019-10-18 00:58:38
8.078801
History
Memory load
2019-10-18 00:58:37
53.415241
History
Network load
2019-10-18 00:58:39
14874945
+14913
Graph

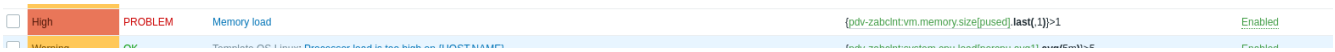

All hosts / pdv-zabclnt
Enabled
ZBX
SNMP
JMX
IPMI
Applications 10
Items 50
Triggers 19
Graphs 9
Discovery rules 2
Web scenarios
Item
Preprocessing
* Name
Memory load
Type
Zabbix agent
* Key
vm.memory.size[pused]
Select
* Host interface
192.168.56.203 : 10050
Type of information
Character
* Update interval
30s
Custom intervals
Type
Interval
Period
Action
Flexible
Scheduling
50s
1-7,00:00-24:00
Remove
Add
* History storage period
90d

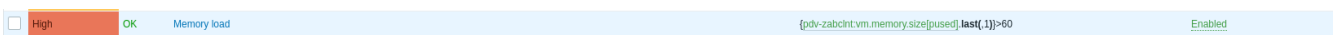

pdv-zabclnt: CPU load
0.030
0.025
0.020
0.015
0.010
0.005
0
10-18 00:50
10-18 01:50
last
min
avg
max
Processor load (1 min average per core) [avg] 0 0 0.0007 0.025
Processor load (5 min average per core) [avg] 0.005 0.005 0.0053 0.015
Processor load (15 min average per core) [avg] 0.025 0.025 0.025 0.025

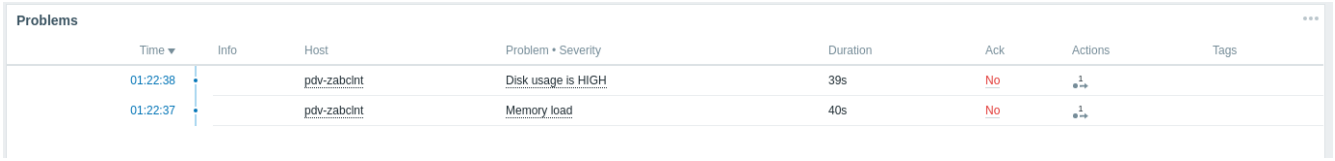


- Create trigger with Severity HIGH, check if it works (Problem/Recovery)

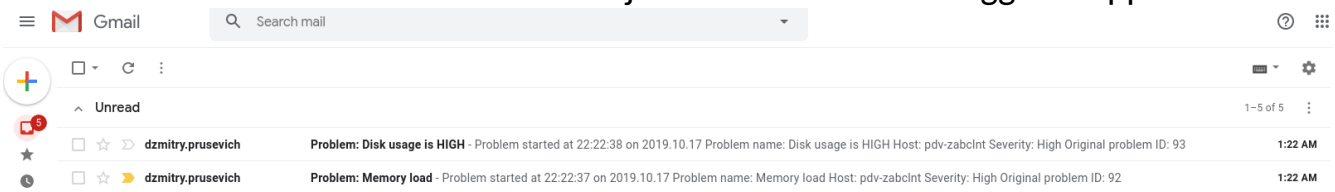


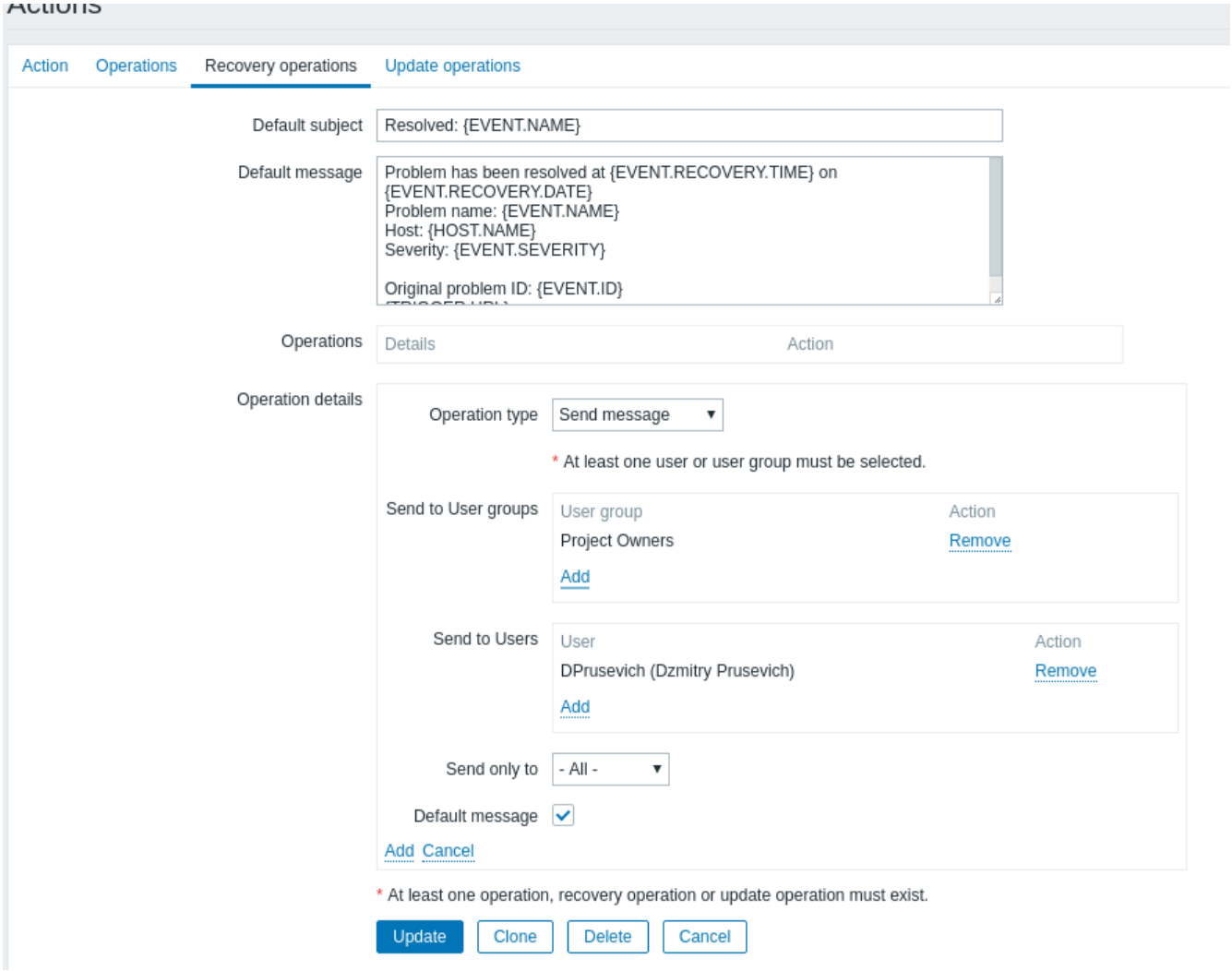


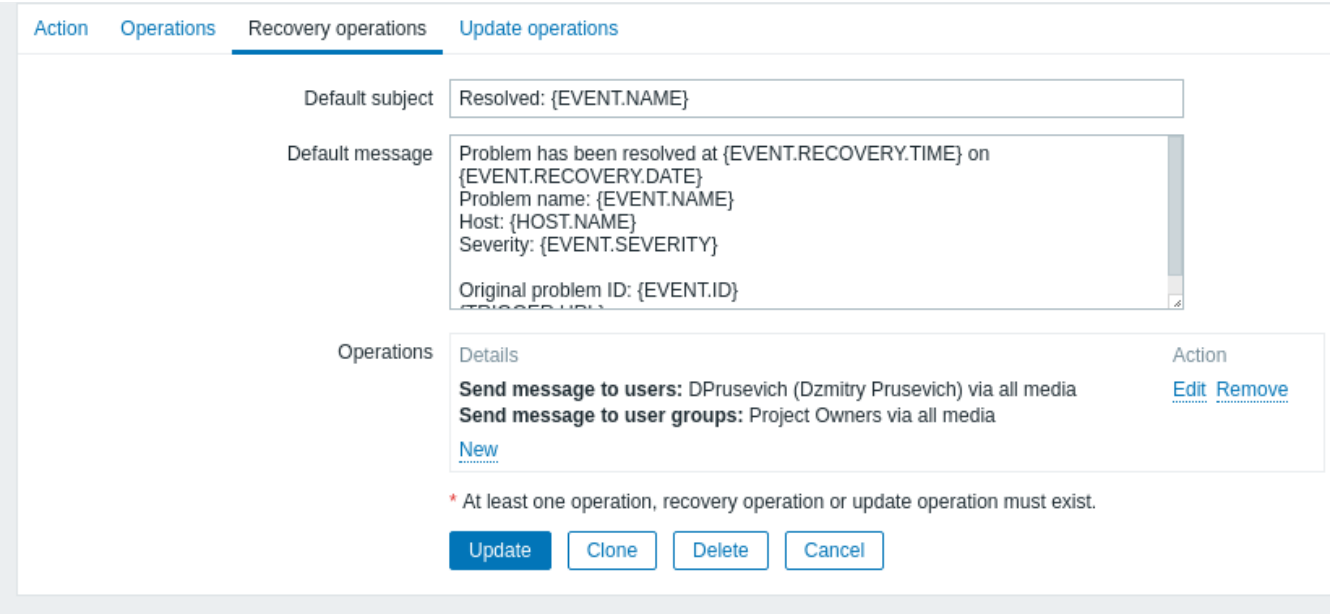


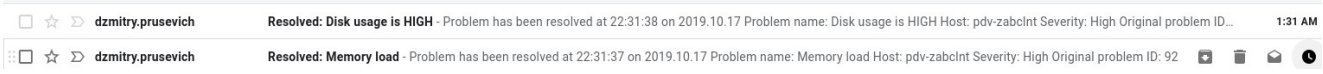


- Create Action to inform “Project Owners” if HIGH triggers happen



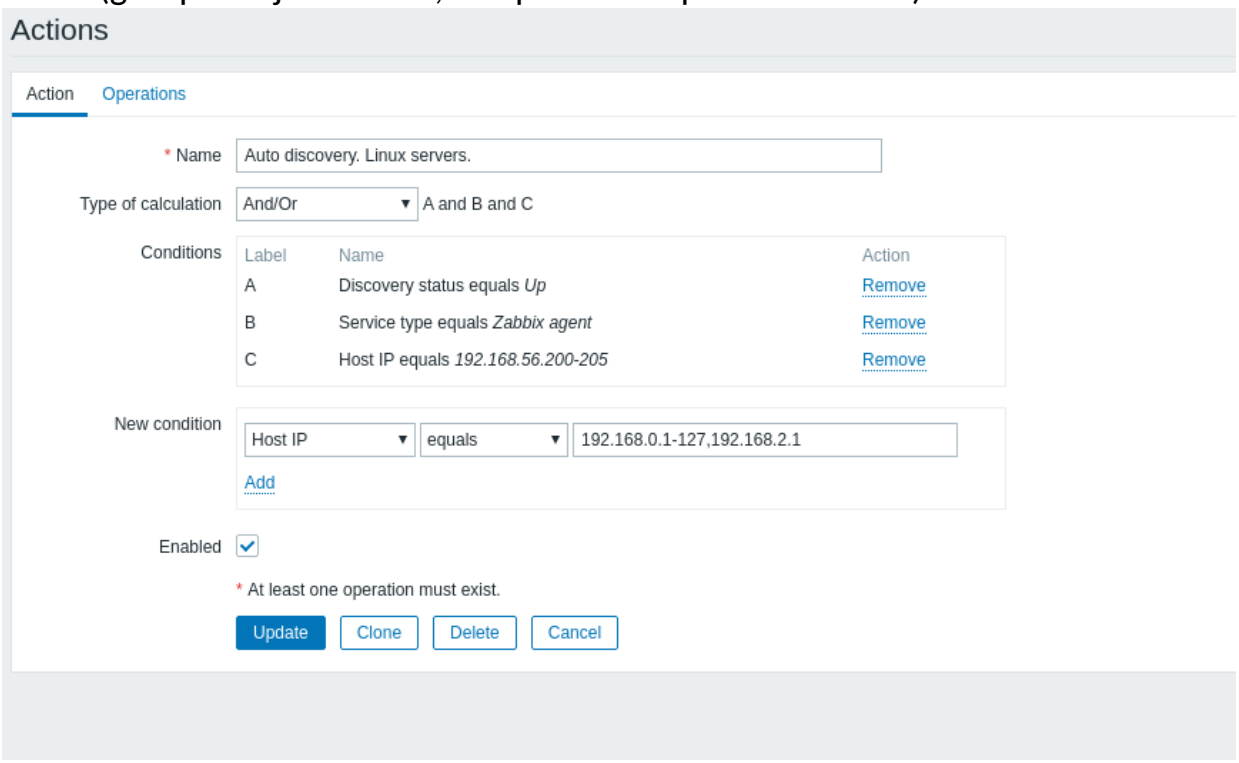


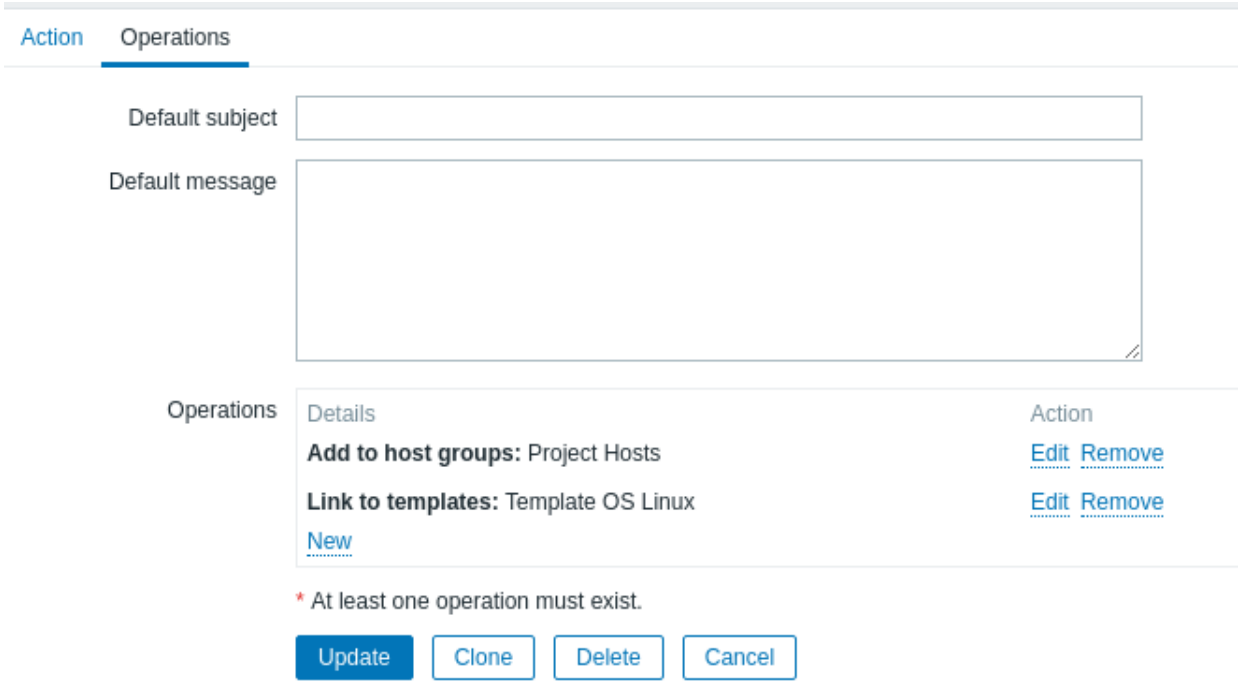


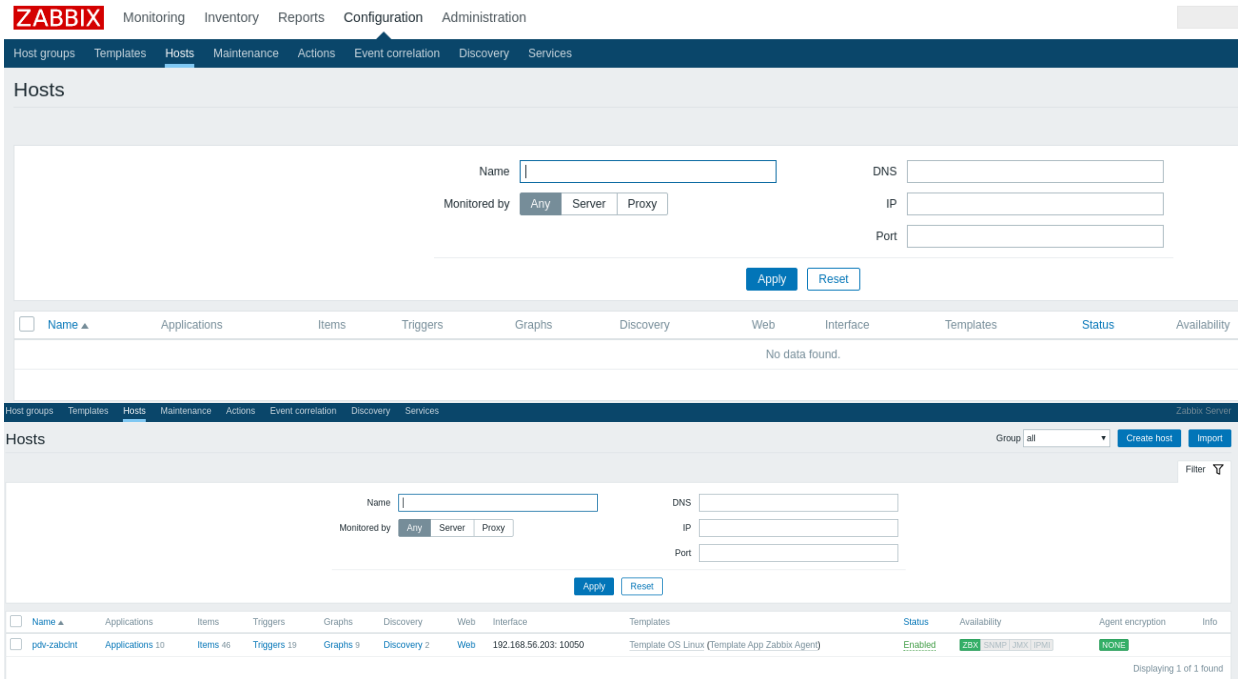


2. **Using Zabbix UI:**

- Configure “Network discovery” so that, 2nd VM will be joined to Zabbix (group “Project Hosts”, Template “Template OS Linux”)




Action
Operations
Default subject
Default message
Operations
Details
Action
Add to host groups: Project Hosts
Edit Remove
Link to templates: Template OS Linux
Edit Remove
New
* At least one operation must exist.
Update
Clone
Delete
Cancel


ZABBIX
Monitoring
Inventory
Reports
Configuration
Administration
Host groups
Templates
Hosts
Maintenance
Actions
Event correlation
Discovery
Services
Hosts
Name
Monitored by
Any
Server
Proxy
DNS
IP
Port
Apply
Reset
Name
Applications
Items
Triggers
Graphs
Discovery
Web
Interface
Templates
Status
Availability
No data found.
Hosts
Group
all
Create host
Import
Filter
pdv-zabclnt
Applications 10
Items 46
Triggers 19
Graphs 9
Discovery 2
Web
192.168.56.203: 10050
Template OS Linux (Template App Zabbix Agent)
Enabled
ZBX SNMP JMX IPMI
NONE
Displaying 1 of 1 found

Name ▲	Hosts	Templates	Members
Discovered hosts	Hosts 1	Templates	pdv-zabclnt
Hypervisors	Hosts	Templates	
Linux servers	Hosts	Templates	
Project Hosts	Hosts 1	Templates	pdv-zabclnt