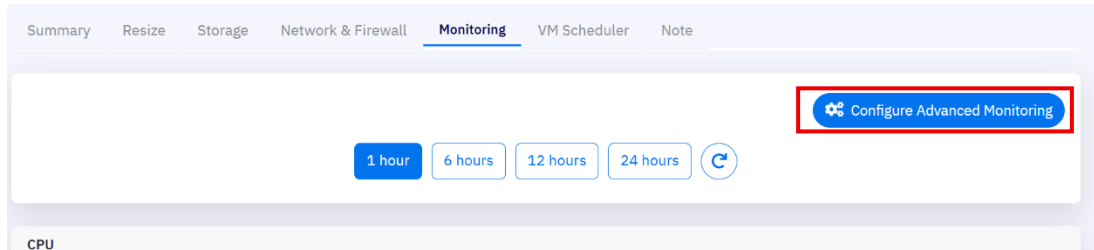
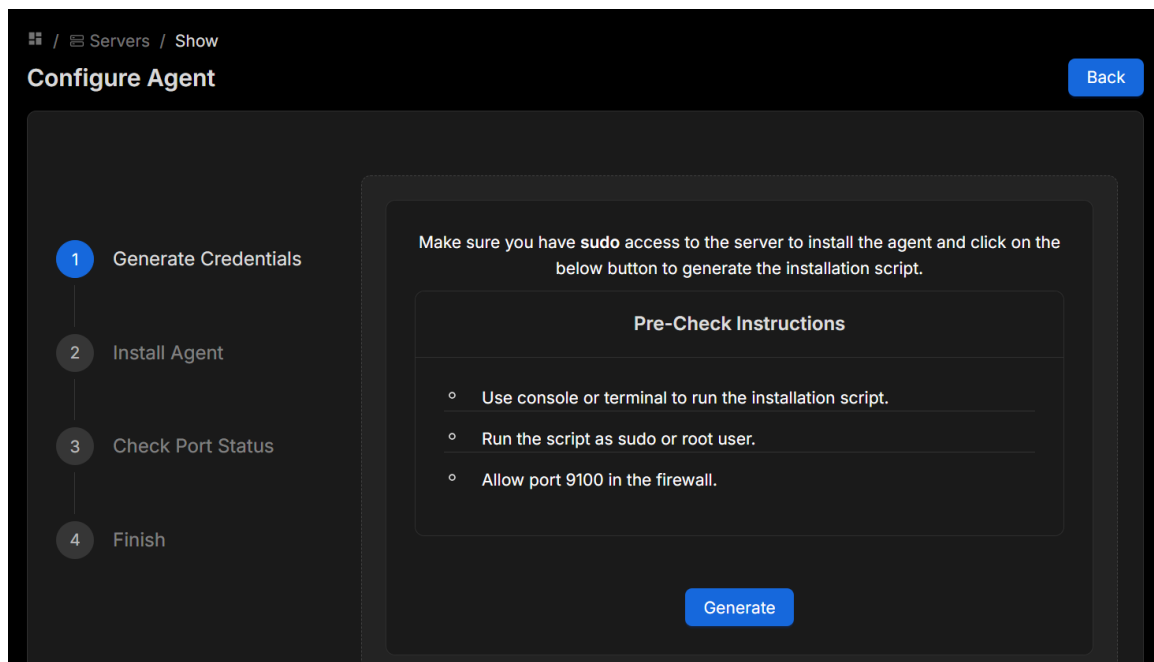


## Configuring Advanced Monitoring Agent

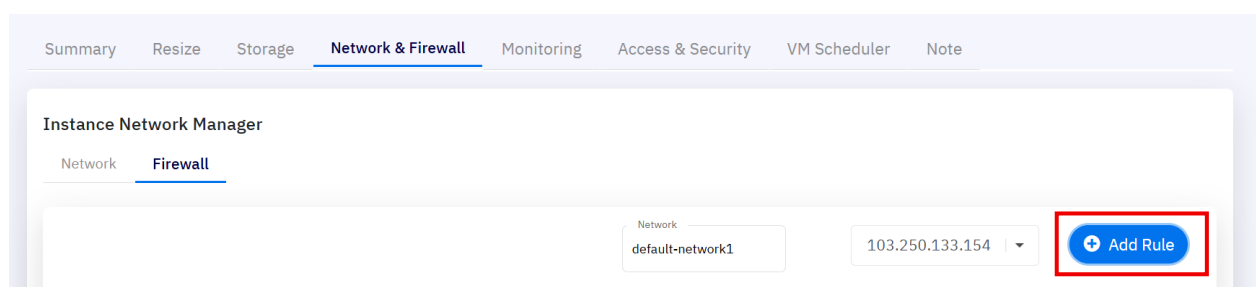
- On the Instance Details page, open the 'Monitoring' tab, and then click on 'Configure Advanced Monitoring'.

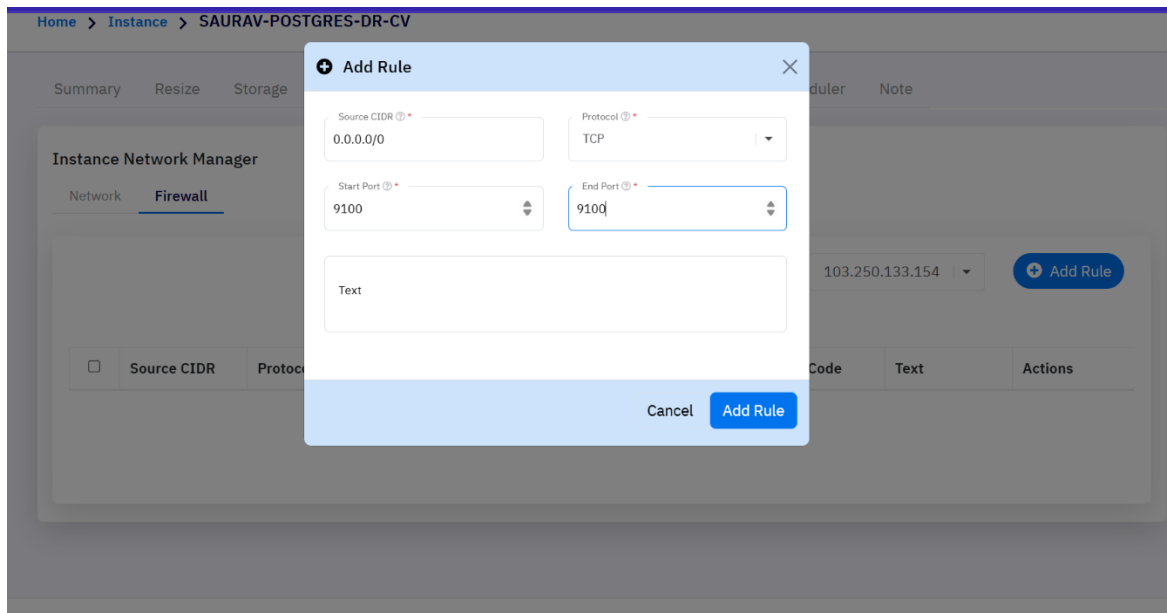


- You will be redirected to the following configuration page according to which we need to allow port 9100 in the firewall.



- Now to allow the port in the firewall, select 'Network & Firewall' and 'Add Rule'





- For RedHat distribution OS, SELinux is enabled by default. This needs to be disabled.

```
[root@almaTest ~]# sestatus
SELinux status:                enabled
SELinuxfs mount:              /sys/fs/selinux
SELinux root directory:       /etc/selinux
Loaded policy name:            targeted
Current mode:                  enforcing
Mode from config file:         enforcing
Policy MLS status:             enabled
Policy deny_unknown status:    allowed
Memory protection checking:    actual (secure)
Max kernel policy version:     33
```

- To do this, the line SELINUX inside the /etc/selinux/config should be set to disabled.  
*vi /etc/selinux/config*

```
# This file controls the state of SELinux on the system.
# SELINUX= can take one of these three values:
#   enforcing - SELinux security policy is enforced.
#   permissive - SELinux prints warnings instead of enforcing.
#   disabled - No SELinux policy is loaded.
# See also:
# https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/9/html/using_selinux/changing-selinux-states-and-modes
#
# NOTE: Up to RHEL 8 release included, SELINUX=disabled would also
# fully disable SELinux during boot. If you need a system with SELinux
# fully disabled instead of SELinux running with no policy loaded, you
# need to pass selinux=0 to the kernel command line. You can use grubby
# to persistently set the bootloader to boot with selinux=0:
#
#   grubby --update-kernel ALL --args selinux=0
#
# To revert back to SELinux enabled:
#
#   grubby --update-kernel ALL --remove-args selinux
#
SELINUX=disabled
# SELINUXTYPE= can take one of these three values:
#   targeted - Targeted processes are protected.
#   minimum - Modification of targeted policy. Only selected processes are protected.
#   mls - Multi Level Security protection.
SELINUXTYPE=targeted
```

After this reboot to apply the changes.

```
[root@almaTest ~]# reboot
```

This then allows the node\_exporter service to run.

```
[root@almaTest almalinux]# sudo systemctl status node_exporter
● node_exporter.service - Node Exporter
   Loaded: loaded (/etc/systemd/system/node_exporter.service; enabled; preset: disabled)
   Active: active (running) since Fri 2025-08-29 08:10:51 EDT; 1 day 16h ago
     Main PID: 778 (node_exporter)
        Tasks: 6 (limit: 10985)
       Memory: 17.8M
          CPU: 121ms
      CGroup: /system.slice/node_exporter.service
              └─778 /usr/local/bin/node_exporter --collector.systemd --web.listen-address=:9100 --web.config.file=/etc/node_exp

Aug 29 08:10:51 almaTest node_exporter[778]: ts=2025-08-29T12:10:51.254Z caller=node_exporter.go:118 level=info collector=time
Aug 29 08:10:51 almaTest node_exporter[778]: ts=2025-08-29T12:10:51.254Z caller=node_exporter.go:118 level=info collector=timex
Aug 29 08:10:51 almaTest node_exporter[778]: ts=2025-08-29T12:10:51.254Z caller=node_exporter.go:118 level=info collector=udp_q
Aug 29 08:10:51 almaTest node_exporter[778]: ts=2025-08-29T12:10:51.254Z caller=node_exporter.go:118 level=info collector=uname
Aug 29 08:10:51 almaTest node_exporter[778]: ts=2025-08-29T12:10:51.254Z caller=node_exporter.go:118 level=info collector=vmstat
Aug 29 08:10:51 almaTest node_exporter[778]: ts=2025-08-29T12:10:51.254Z caller=node_exporter.go:118 level=info collector=watchdog
Aug 29 08:10:51 almaTest node_exporter[778]: ts=2025-08-29T12:10:51.254Z caller=node_exporter.go:118 level=info collector=xfs
Aug 29 08:10:51 almaTest node_exporter[778]: ts=2025-08-29T12:10:51.254Z caller=node_exporter.go:118 level=info collector=zfs
Aug 29 08:10:51 almaTest node_exporter[778]: ts=2025-08-29T12:10:51.262Z caller=tlscfg.go:313 level=info msg="Listening on"
Aug 29 08:10:51 almaTest node_exporter[778]: ts=2025-08-29T12:10:51.267Z caller=tlscfg.go:349 level=info msg="TLS is enabled"
lines 1-20/20 (END)
```

- Then generate the installation script.

Servers / Show

Configure Agent

Back

1 Generate Credentials

2 Install Agent

3 Check Port Status

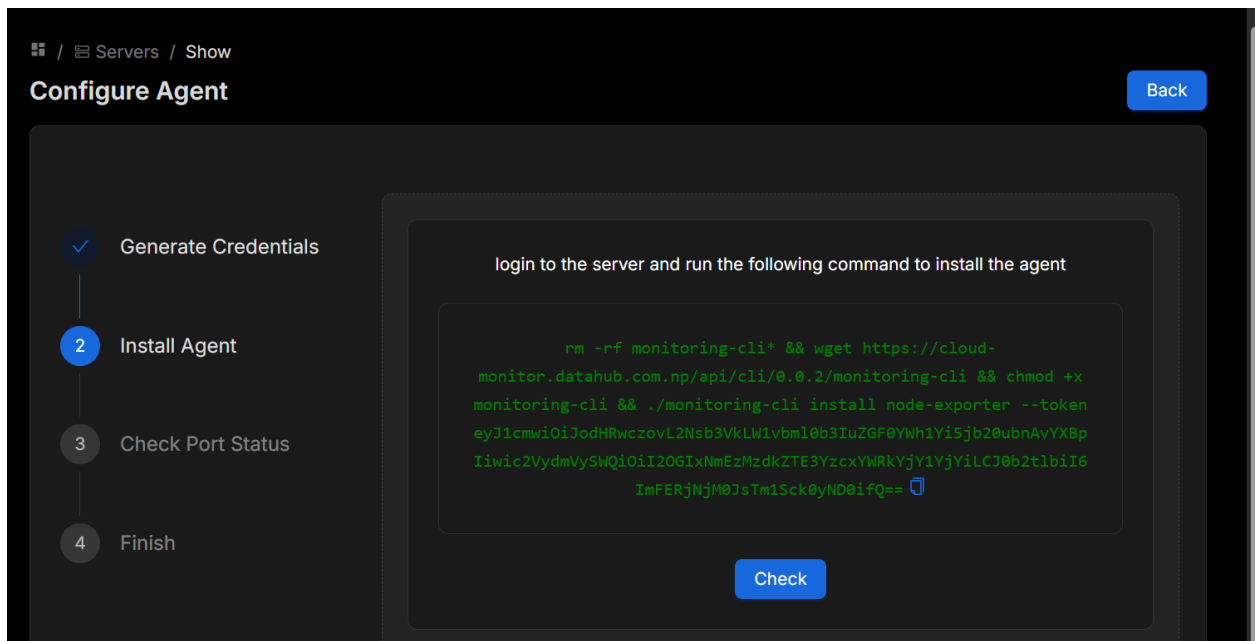
4 Finish

Make sure you have `sudo` access to the server to install the agent and click on the below button to generate the installation script.

Pre-Check Instructions

- Use console or terminal to run the installation script.
- Run the script as `sudo` or root user.
- Allow port 9100 in the firewall.

Generate



- Copy the generated command and ssh into your VM. Switch to the root user and paste the copied command.

```
[rockylinux@SAURAV-POSTGRES-DR-CV ~]$ sudo -i
[root@SAURAV-POSTGRES-DR-CV ~]# rm -rf monitoring-cli* && wget https://cloud-monitor.datahub.com.np/api/cli/0.0.2/monitoring-cli && c
hmod +x monitoring-cli && ./monitoring-cli install node-exporter --token eyJlcwmiOiJodHRwczoVL2Nsb3VklWlVbml0b3IuZGF0YWh1Yi5jb20ubnAv
YXBpIiwic2VydmVzSWQ0IiI2OGIwNmEzMzdkZTE3YzcxYWRkYjY1YjYiLCJ0b2t1biI6ImFERjNjM0Jm1Sc0YND0ifQ==
--2025-08-29 05:34:15-- https://cloud-monitor.datahub.com.np/api/cli/0.0.2/monitoring-cli
Resolving cloud-monitor.datahub.com.np (cloud-monitor.datahub.com.np)... 202.51.75.24
Connecting to cloud-monitor.datahub.com.np (cloud-monitor.datahub.com.np)|202.51.75.24|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 7606424 (7.3M) [application/octet-stream]
Saving to: 'monitoring-cli'

monitoring-cli                               100%[=====] 7.25M 25.8MB/s in 0.3s

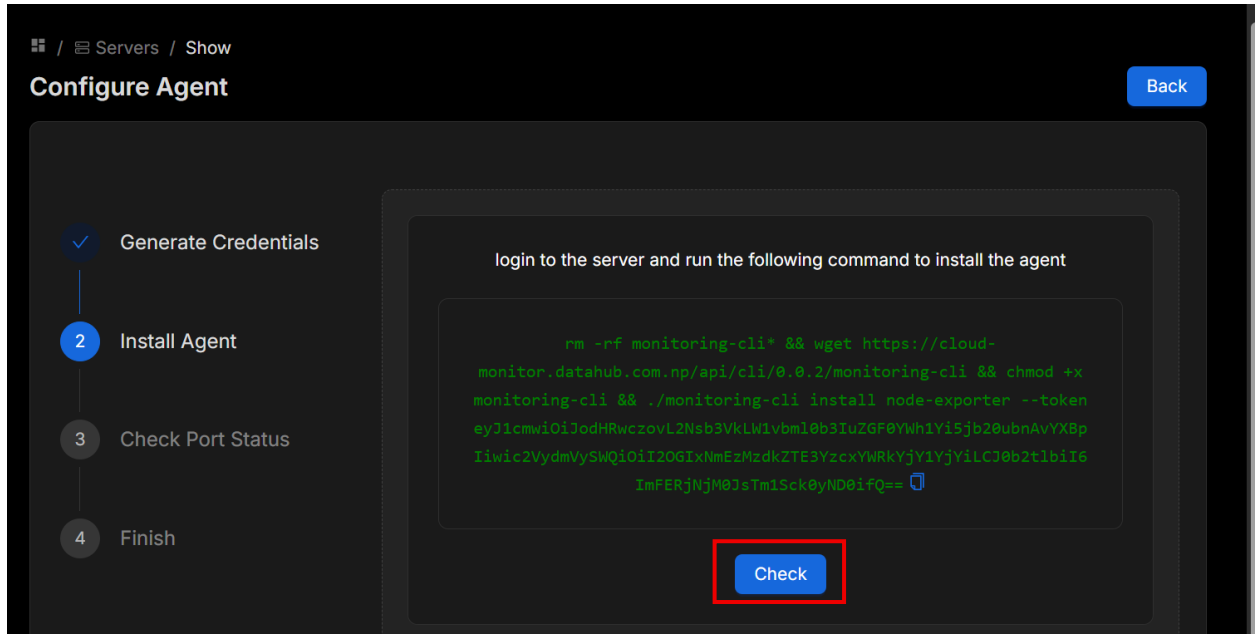
2025-08-29 05:34:15 (25.8 MB/s) - 'monitoring-cli' saved [7606424/7606424]

Internal IP Addresses: [10.1.1.52]
Installing Node Exporter on SAURAV-POSTGRES-DR-CV...
#Installing Node Exporter...
User node_exporter created successfully.
Group node_exporter already exists.
User node_exporter added to group node_exporter successfully.
Creating directory /etc/node_exporter...
#Installing Node Exporter...
Node Exporter installed successfully.
Please make sure to open port 9100 in your firewall.
Node Exporter installed successfully.
[root@SAURAV-POSTGRES-DR-CV ~]#
```

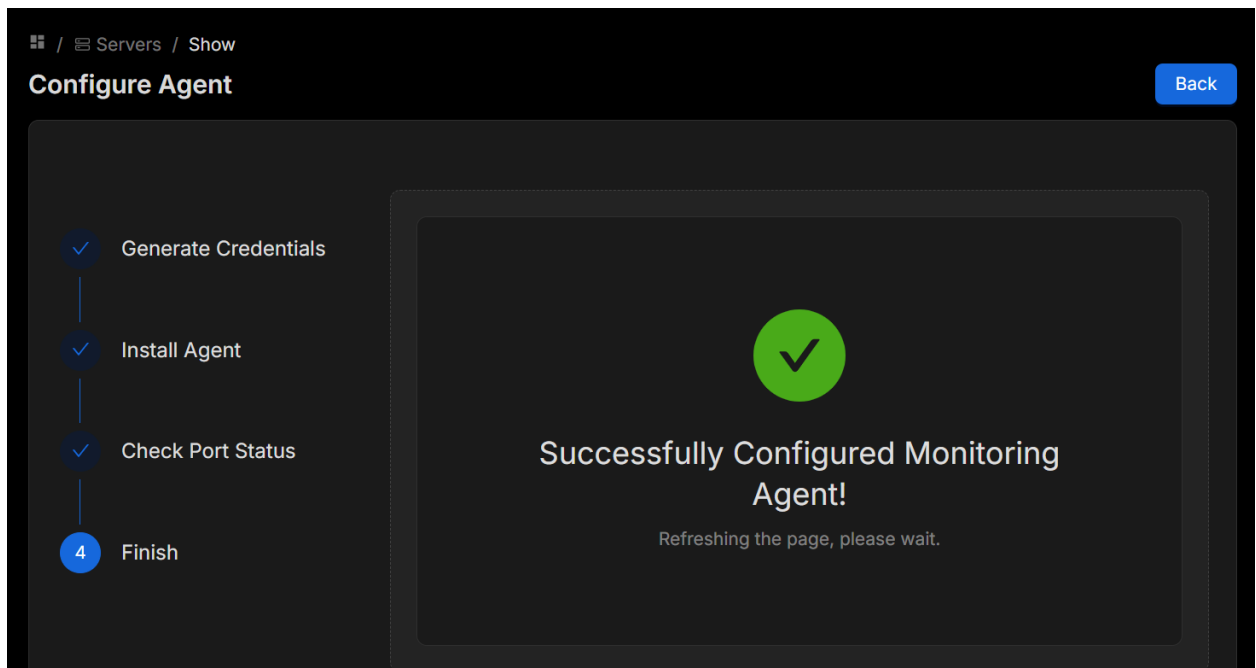
- Return to the portal and click the **Check** button.

The system will automatically verify that:

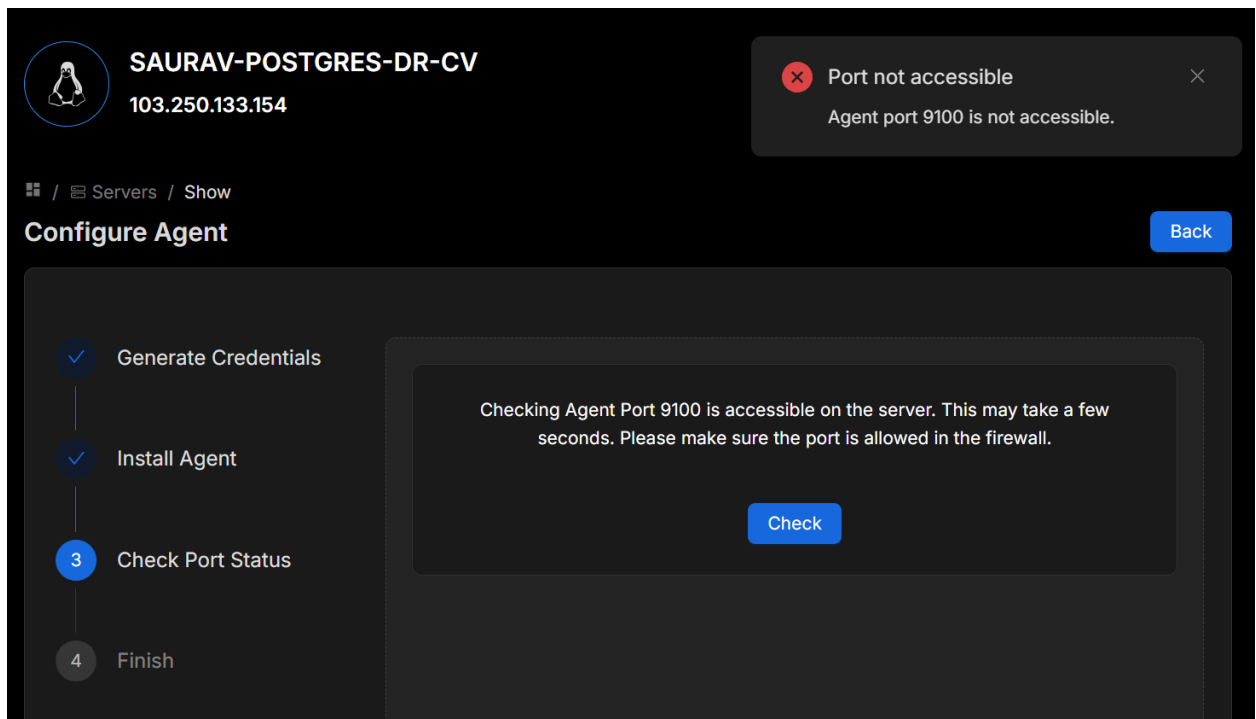
- The required port is correctly configured.
- The installed service (node-exporter) is running.



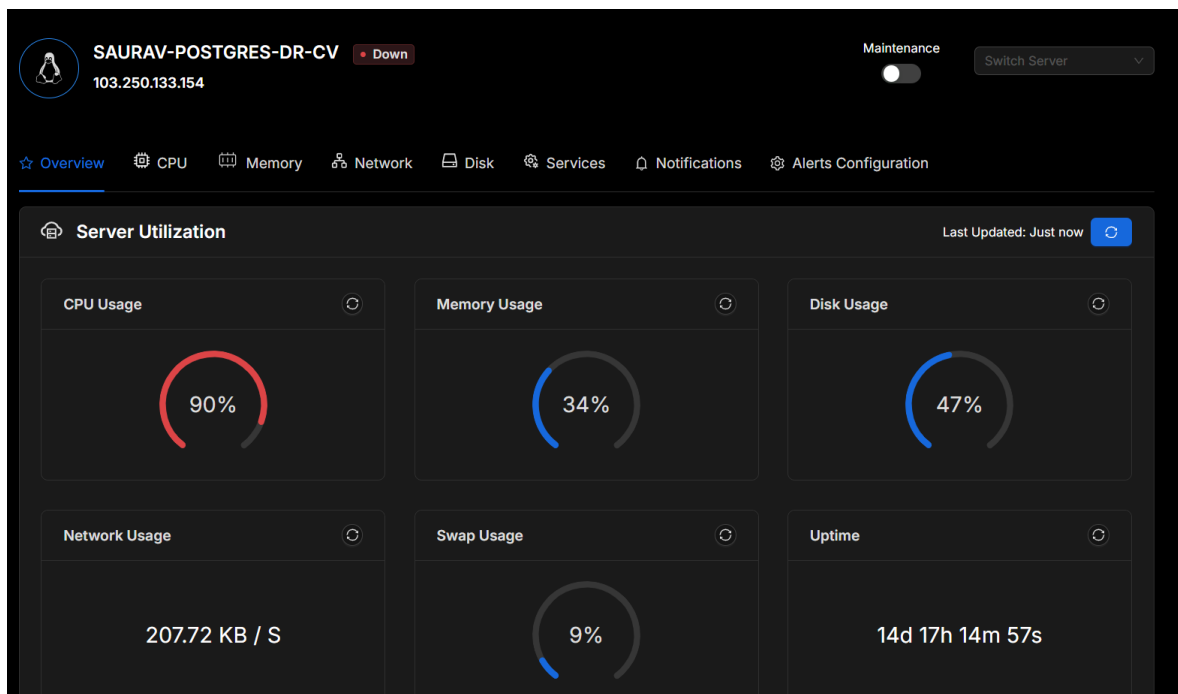
- If all the configuration steps are correct, the monitoring agent is successfully configured.



- If SELinux isn't disabled for the RedHat distribution OS, the following error occurs even though the port is configured.



- Once the agent is successfully configured, you will gain access to the monitoring dashboard.



- From the **Alert Configuration** section, you can set up and enable alerts for different types of issues to ensure timely notifications.

☆ OverviewCPUMemoryNetworkDiskServicesNotificationsAlerts Configuration

Alert Rules

Reset To DefaultUpdate

Name	description	Type	Threshold	Grace Period	Severity	Notificat	Enabled
HOST OUT OF MEMORY	host is running out of memory	Resource Alert	90%	2 minutes	critical	Select i	<input checked="" type="checkbox"/>
HOST DISK USAGE	host disk is running out of space	Resource Alert	90%	2 minutes	critical	Select i	<input checked="" type="checkbox"/>
HOST OUT OF INODES	host is running out of inodes	Resource Alert	90%	2 minutes	critical	Select i	<input checked="" type="checkbox"/>
HOST DISK WILL FILL	host disk will fill soon	Resource Alert	90%	2 minutes	warning	Select i	<input type="checkbox"/>
HOST INODE WILL FILL	host inode will fill soon	Resource Alert	90%	2 minutes	warning	Select i	<input type="checkbox"/>
HOST CPU LOAD	host cpu load is high	Resource Alert	90%	2 minutes	critical	Select i	<input checked="" type="checkbox"/>
HOST CPU IO WAIT	host cpu io wait is high	Resource Alert	90%	2 minutes	critical	Select i	<input checked="" type="checkbox"/>
HOST SWAP USAGE	host swap usage is high	Resource Alert	90%	2 minutes	critical	Select i	<input checked="" type="checkbox"/>
HOST NETWORK ERRORS	host network errors are high	Resource Alert	0.01	2 minutes	normal	Select i	<input checked="" type="checkbox"/>