

Test Cases For Monitoring

Project Group 6

2018-01-05

Case 1:

Title: Access Home Page Accessing Successfully on Devops Monitoring Home Page

Description: A registered user should be able to successfully access the Devops Monitoring.

Precondition: zabbix server should be up and running.

Assumption: having internet connection and supported browser.

Test Steps:

1. Navigate to any browser that you can gain access.
2. In the address bar write the address of the localhost.
3. Click the Enter button.

Expected Result: Devops Home Page opens:

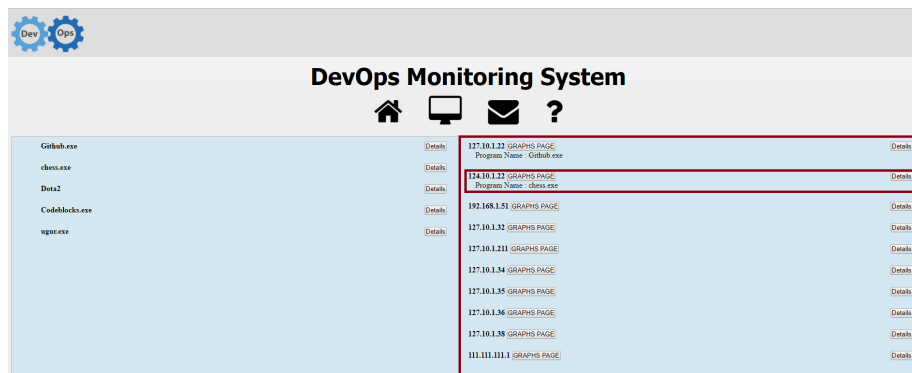


Figure 1: Home Page

Case 2:

Title: Monitoring Programs In A Host Monitoring Executable Programs Which Are Deployed In A Host.

Description: A devops user should be able to successfully monitor all programs in a host.

Precondition: zabbix server should be up and running.

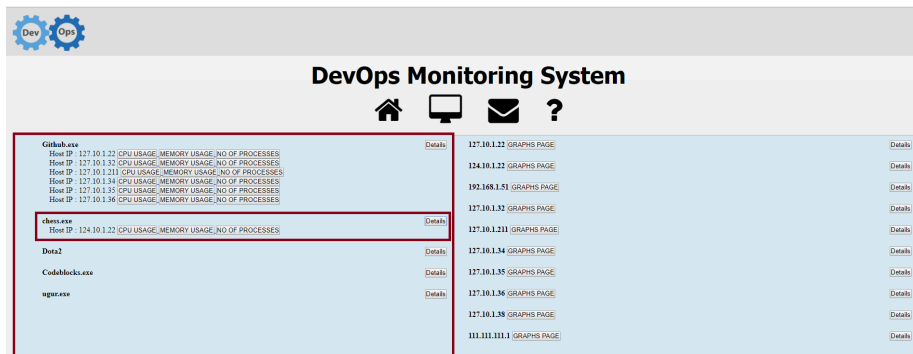
Assumption: Having internet connection, connected to Monitoring home page and running Zabbix server.

Test Steps:

1. Click the Details button on the right side of the page for each host to see applications installed in it.

2. Click GRAPH PAGE button to view graphs of all the applications in a specific host.

Expected Result: DevOps users see links of all graphs in a host.



DevOps Monitoring System		
Home Monitor Alerts Help		
Gitlab.exe Host ID: 127.10.1.22 CPU USAGE, MEMORY USAGE, NO OF PROCESSES Host ID: 127.10.1.32 CPU USAGE, MEMORY USAGE, NO OF PROCESSES Host ID: 127.10.1.211 CPU USAGE, MEMORY USAGE, NO OF PROCESSES Host ID: 127.10.1.34 CPU USAGE, MEMORY USAGE, NO OF PROCESSES Host ID: 127.10.1.35 CPU USAGE, MEMORY USAGE, NO OF PROCESSES Host ID: 127.10.1.36 CPU USAGE, MEMORY USAGE, NO OF PROCESSES	Details	127.10.1.22 GRAPH PAGE 124.10.1.22 GRAPH PAGE 192.168.1.51 GRAPH PAGE 127.10.1.32 GRAPH PAGE 127.10.1.211 GRAPH PAGE 127.10.1.34 GRAPH PAGE 127.10.1.35 GRAPH PAGE 127.10.1.36 GRAPH PAGE 127.10.1.38 GRAPH PAGE 111.111.111.1 GRAPH PAGE
chess.exe Host ID: 124.10.1.22 CPU USAGE, MEMORY USAGE, NO OF PROCESSES	Details	
Data2	Details	
Codblocks.exe	Details	
upn.exe	Details	

Figure 2: Programs In a Host

Case 3:

Title: Monitoring Programs CPU Usage Monitoring CPU usage of An Executable Program Which Is Deployed To Hosts.

Description: A devops user should be able to successfully monitor CPU usage of a program in every host it is deployed.

Precondition: Zabbix server should be up and running.

Assumption: If a program is installed in at least one host, having Internet connection, connected to Monitoring home page and running Zabbix server.

Test Steps:

1. Click the Details button on the left side of the page for each program.
2. Click the CPU USAGE button that you want to view.

Expected Result: DevOps users can see a graph with CPU usage information of an application in a desired host.

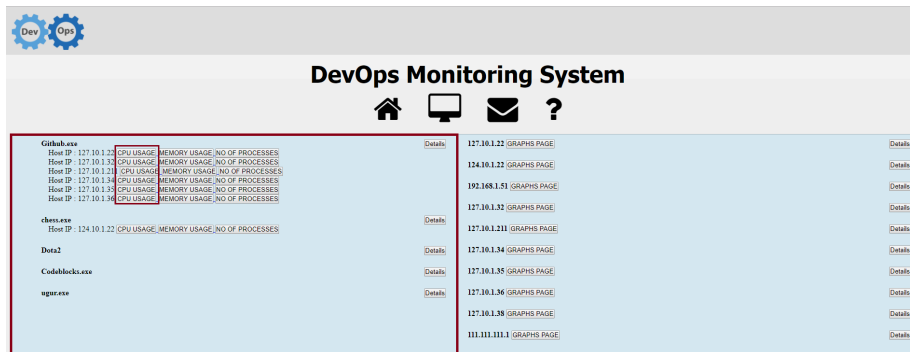


Figure 3: CPU usage

Case 4:

Title: Monitoring Programs Memory Usage Monitoring Memory Usage Of An Executable Program Which Is Deployed To Hosts.

Description: A devops user should be able to successfully monitor memory usage of a program in host which he/she want to monitor.

Precondition: Zabbix server should be up and running.

Assumption: If a program is installed in at least one host, having internet connection, connected to Monitoring home page and running Zabbix server.

Test Steps:

1. Click the Details button on the left side of the page for each program.
2. Click the MEMORY USAGE button that you want to view.

Expected Result: DevOps users can see graph information of memory usage of an application in a specific host.

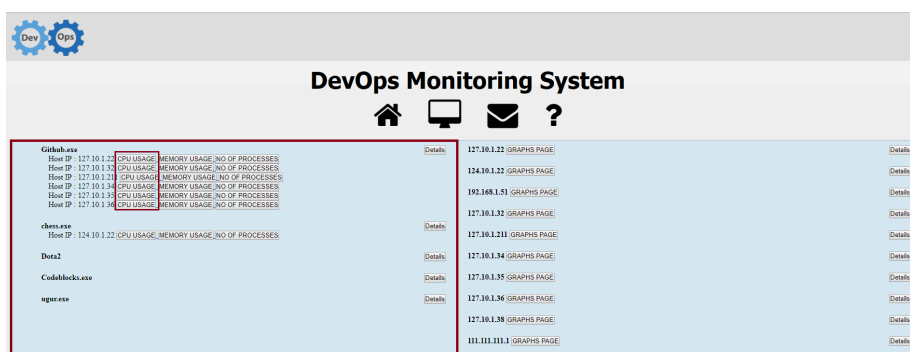


Figure 4: Memory Usage

Case 5:

Title: Monitoring Programs Number of Processes Monitoring Number of processes of an application in a specific host.

Description: A devops user should be able to successfully monitor number of processes of program in host which he/she want to monitor.

Precondition: Zabbix server should be up and running.

Assumption: If a program is installed in at least one host, having internet connection, connected to Monitoring home page and running Zabbix server.

Test Steps:

1. Click the Details button on the left side of the page for each program.
2. Click the NO OF PROCESSES button that you want to view.

Expected Result: DevOps users can see a graph with process information of an application in a desired host.

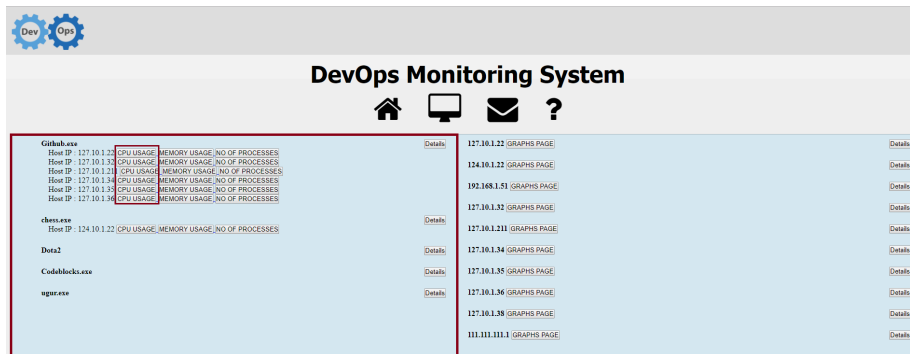


Figure 5: Number Of Processes