



Testing in DevOps

DOu – Certified Tester in DevOps (CTD)
Exercise Solutions

HO-4.1.3(HO-0)

Exercise - Demonstrate alerts in a system using sets of predefined tests for monitors

- Create alerts on system

HO-4.1.3(HO-0)

Exercise Solution - Demonstrate the main monitoring elements in tools, such as Nagios or Grafana

- HO-1.6 Nagios monitoring exercise is pre-requisite for this exercise

HO-4.1.3(HO-0)

Setup Nagios Notification/Alert Email

- Go to your Gmail Account
- Go to Security
- Turn on Less secure app access
- Setup Nagios XI UI server(Refer to HO-1.6 Nagios exercise)
- Setup Nagios client without setting up apache web server on it(Refer to HO-1.6 Nagios exercise)

HO-4.1.3(HO-0)

Setup Email settings on Nagios XI UI

- Login to Nagios XI UI > Go to Home page > Click nagiosadmin link at top right page> Enter your email address > Click Update Settings
- Click Admin at top of the page > Click Email Settings at left pane > Go to Outbound section > Select SMTP option
- Fill below details:
 - Host -> smtp.gmail.com
 - Port -> 465
 - Username -> Your gmail email id
 - Password -> Your gmail password
 - Security -> SSL
- Click Update Settings
- Click Send a Test Email > Click Send Test Email button
- Test email will be triggered to your email id

HO-4.1.3(HO-0)

Setup Email notification settings on Nagios XI UI

- Click nagiosadmin link at top right page
- Click Notification Preferences link at left pane
- Go to Email section > All checkboxes will be selected
- Select High Priority checkbox for Service Critical
- Click Update Settings
- Click Send Test Notifications link at left pane
- Click Send Test Notifications button
- Test email will be triggered to your email id
- As Apache web server service is critical so Problem service alert email will be triggered by its own to your email id

HO-4.1.3(HO-0)

Setup Custom Email Alert

- Go to Home
- Click Critical service link(e.g. 4) under Service Status Summary at right pane
- Click Apache Web Server link
- Click Advanced + icon
- Click send custom notification link
- Select Forced checkbox
- Enter the comment
- Click Submit
- Custom service alert email will be triggered to your email id

HO-4.1.3(HO-0)

Setup Recovery Email Alert

- Go to Nagios client and run the apache web server(Refer to HO-1.6 Nagios exercise)
- Apache web server service will be ok on Nagios XI UI
- Recovery service alert email will be triggered by its own to your email id

Note: email may take some time to be sent on your gmail id