ANSIBLE REAL DEVOPS ENTERPRISE SCENARIOS

🔥 SCENARIO PLAYBOOK 1 – Deploy LAMP Stack

```
---
- name: Scenario 1 - Deploy LAMP Stack
  hosts: webservers
  become: yes
  roles:
    - role: apache
    - role: mysql
    - role: php
```

🔥 SCENARIO PLAYBOOK 2 – Setup PostgreSQL Cluster

```
---
- name: Scenario 2 - PostgreSQL Cluster
  hosts: dbservers
  become: yes
  roles:
    - role: postgresql
  tasks:
    - name: Initialize replication
      shell: "pg_basebackup -h master -D /var/lib/pgsql/data -U replicator"
      when: inventory_hostname != 'master'
```

🔥 SCENARIO PLAYBOOK 3 – Deploy Node.js App with Nginx Proxy

```
---
- name: Scenario 3 - Node.js App Deployment
  hosts: appservers
  become: yes
```

```
 roles:
  - role: nodejs
  - role: nginx
 tasks:
  - name: Deploy app code
    git:
      repo: 'https://github.com/org/myapp.git'
      dest: /opt/myapp
  - name: Restart Node.js
    systemd:
      name: nodeapp
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 4 – Setup Docker Swarm Cluster**

```
---
- name: Scenario 4 - Docker Swarm
 hosts: swarmnodes
 become: yes
 roles:
  - role: docker
 tasks:
  - name: Initialize swarm
    shell: "docker swarm init"
    when: inventory_hostname == 'manager1'
```

🔥 **SCENARIO PLAYBOOK 5 – Configure CI/CD Pipeline (Jenkins)**

```
---
- name: Scenario 5 - Jenkins CI/CD
 hosts: cicdservers
```

```
 become: yes
 roles:
  - role: jenkins
 tasks:
  - name: Deploy pipeline job
    template:
      src: jenkins_job.xml.j2
      dest: /var/lib/jenkins/jobs/myjob/config.xml
    notify: restart jenkins

 handlers:
  - name: restart jenkins
    service:
      name: jenkins
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 6 – Setup ELK Stack**

```
---
- name: Scenario 6 - ELK Stack
 hosts: monitoring
 become: yes
 roles:
   - role: elasticsearch
   - role: logstash
   - role: kibana
   - role: filebeat
```

🔥 **SCENARIO PLAYBOOK 7 – Configure Prometheus & Grafana Monitoring**

```
---
```

```
- name: Scenario 7 - Monitoring
  hosts: monitoring
  become: yes
  roles:
    - role: prometheus
    - role: grafana
  tasks:
    - name: Deploy alert rules
      copy:
        src: alert_rules.yml
        dest: /etc/prometheus/alert_rules.yml
      notify: reload prometheus

  handlers:
    - name: reload prometheus
      service:
        name: prometheus
        state: reloaded
```

🔥 **SCENARIO PLAYBOOK 8 – Setup HAProxy Load Balancer**

```
---
- name: Scenario 8 - Load Balancer
  hosts: loadbalancers
  become: yes
  roles:
    - role: haproxy
  tasks:
    - name: Deploy HAProxy config
      template:
```

```
    src: haproxy.cfg.j2
    dest: /etc/haproxy/haproxy.cfg
  notify: reload haproxy

handlers:
 - name: reload haproxy
   service:
    name: haproxy
    state: reloaded
```

🔥 **SCENARIO PLAYBOOK 9 – Deploy Redis Cluster**

```
---
- name: Scenario 9 - Redis Cluster
 hosts: cacheservers
 become: yes
 roles:
  - role: redis
 tasks:
  - name: Deploy Redis config
    template:
     src: redis.conf.j2
     dest: /etc/redis/redis.conf
    notify: restart redis

handlers:
 - name: restart redis
   service:
    name: redis
    state: restarted
```

🔥 **SCENARIO PLAYBOOK 10 – Setup Backup & Restore Jobs**

```
- name: Scenario 10 - Backup & Restore
  hosts: backupservers
  become: yes
  roles:
    - role: backup
  tasks:
    - name: Configure daily backup
      template:
        src: backup_cron.j2
        dest: /etc/cron.d/daily_backup
      notify: reload cron

  handlers:
    - name: reload cron
      service:
        name: crond
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 11 – Setup MongoDB Replica Set**

```
- name: Scenario 11 - MongoDB Replica Set
  hosts: dbservers
  become: yes
  roles:
    - role: mongodb
  tasks:
```

```
  - name: Deploy MongoDB config
    template:
      src: mongod.conf.j2
      dest: /etc/mongod.conf
    notify: restart mongodb

 handlers:
  - name: restart mongodb
    service:
      name: mongod
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 12 – Configure RabbitMQ Cluster**

```
---
- name: Scenario 12 - RabbitMQ Cluster
 hosts: mqservers
 become: yes
 roles:
  - role: rabbitmq
 tasks:
  - name: Deploy RabbitMQ config
    template:
      src: rabbitmq.conf.j2
      dest: /etc/rabbitmq/rabbitmq.conf
    notify: restart rabbitmq

 handlers:
  - name: restart rabbitmq
    service:
```

```
    name: rabbitmq-server
    state: restarted
```

🔥 **SCENARIO PLAYBOOK 13 – Deploy Kafka Cluster**

```
---
- name: Scenario 13 - Kafka Cluster
  hosts: kafka_nodes
  become: yes
  roles:
    - role: kafka
  tasks:
    - name: Deploy Kafka broker config
      template:
        src: server.properties.j2
        dest: /opt/kafka/config/server.properties
      notify: restart kafka

  handlers:
    - name: restart kafka
      service:
        name: kafka
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 14 – Setup Zookeeper Ensemble**

```
---
- name: Scenario 14 - Zookeeper Ensemble
  hosts: zookeeper_nodes
  become: yes
  roles:
```

```
  - role: zookeeper
 tasks:
  - name: Deploy Zookeeper config
    template:
      src: zoo.cfg.j2
      dest: /opt/zookeeper/conf/zoo.cfg
    notify: restart zookeeper

 handlers:
  - name: restart zookeeper
    service:
      name: zookeeper
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 15 – Configure ELK Logging for Apps**

```
---
- name: Scenario 15 - ELK Logging for Apps
 hosts: appservers
 become: yes
 roles:
  - role: filebeat
 tasks:
  - name: Deploy Filebeat config
    template:
      src: filebeat.yml.j2
      dest: /etc/filebeat/filebeat.yml
    notify: restart filebeat

 handlers:
```

```
  - name: restart filebeat
    service:
      name: filebeat
      state: restarted
```

🔥 SCENARIO PLAYBOOK 16 – Deploy Prometheus Node Exporter

```
---
- name: Scenario 16 - Prometheus Node Exporter
  hosts: all
  become: yes
  roles:
    - role: node_exporter
  tasks:
    - name: Deploy node exporter service
      template:
        src: node_exporter.service.j2
        dest: /etc/systemd/system/node_exporter.service
      notify: restart node_exporter

  handlers:
    - name: restart node_exporter
      systemd:
        name: node_exporter
        state: restarted
```

🔥 SCENARIO PLAYBOOK 17 – Configure Grafana Dashboards

```
---
- name: Scenario 17 - Grafana Dashboards
  hosts: monitoring
```

```
  become: yes
  roles:
    - role: grafana
  tasks:
    - name: Deploy dashboards
      copy:
        src: dashboards/
        dest: /var/lib/grafana/dashboards/
      notify: restart grafana

  handlers:
    - name: restart grafana
      service:
        name: grafana-server
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 18 – Setup Jenkins Pipeline for App**

```
---
- name: Scenario 18 - Jenkins Pipeline
  hosts: cicdservers
  become: yes
  roles:
    - role: jenkins
  tasks:
    - name: Deploy pipeline job
      template:
        src: pipeline_job.xml.j2
        dest: /var/lib/jenkins/jobs/myapp/config.xml
      notify: restart jenkins
```

```
 handlers:
   - name: restart jenkins
     service:
       name: jenkins
       state: restarted
```

🔥 **SCENARIO PLAYBOOK 19 – Configure HAProxy + Web Apps**

```
---
- name: Scenario 19 - HAProxy + Web Apps
  hosts: loadbalancers
  become: yes
  roles:
    - role: haproxy
  tasks:
    - name: Deploy HAProxy config
      template:
        src: haproxy.cfg.j2
        dest: /etc/haproxy/haproxy.cfg
      notify: reload haproxy

  handlers:
    - name: reload haproxy
      service:
        name: haproxy
        state: reloaded
```

🔥 **SCENARIO PLAYBOOK 20 – Configure Backup Jobs for DBs**

```
---
```

```
- name: Scenario 20 - Backup DBs
  hosts: backupservers
  become: yes
  roles:
    - role: backup
  tasks:
    - name: Deploy backup scripts
      template:
        src: backup_db.sh.j2
        dest: /opt/backup/backup_db.sh
      notify: restart cron

  handlers:
    - name: restart cron
      service:
        name: crond
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 21 – Deploy LEMP Stack**

```
---
- name: Scenario 21 - LEMP Stack Deployment
  hosts: webservers
  become: yes
  roles:
    - role: nginx
    - role: mysql
    - role: php
```

🔥 **SCENARIO PLAYBOOK 22 – Setup MariaDB Galera Cluster**

```
---
- name: Scenario 22 - MariaDB Galera Cluster
  hosts: dbservers
  become: yes
  roles:
    - role: mariadb
  tasks:
    - name: Initialize Galera replication
      shell: "galera_new_cluster"
      when: inventory_hostname == 'db1'
```

🔥 **SCENARIO PLAYBOOK 23 – Deploy Python Flask App with Gunicorn & Nginx**

```
---
- name: Scenario 23 - Flask App Deployment
  hosts: appservers
  become: yes
  roles:
    - role: python
    - role: nginx
  tasks:
    - name: Deploy app code
      git:
        repo: 'https://github.com/org/flaskapp.git'
        dest: /opt/flaskapp
    - name: Restart Gunicorn
      systemd:
        name: flaskapp
        state: restarted
```

🔥 SCENARIO PLAYBOOK 24 – Setup Kubernetes Cluster

```
---
- name: Scenario 24 - Kubernetes Cluster
 hosts: k8s_nodes
 become: yes
 roles:
  - role: kube_master
  - role: kube_worker
 tasks:
  - name: Initialize kubeadm
    shell: "kubeadm init"
    when: inventory_hostname == 'master1'
```

🔥 SCENARIO PLAYBOOK 25 – Configure Jenkins Shared Libraries

```
---
- name: Scenario 25 - Jenkins Shared Libraries
 hosts: cicdservers
 become: yes
 roles:
  - role: jenkins
 tasks:
  - name: Deploy shared library
    git:
      repo: 'https://github.com/org/jenkins-shared-libs.git'
      dest: /var/lib/jenkins/shared-libs
    notify: restart jenkins

 handlers:
  - name: restart jenkins
```

```
    service:
      name: jenkins
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 26 – Setup Elasticsearch Index Templates**

```
---
- name: Scenario 26 - Elasticsearch Index Templates
  hosts: monitoring
  become: yes
  roles:
    - role: elasticsearch
  tasks:
    - name: Deploy index templates
      template:
        src: index_template.json.j2
        dest: /etc/elasticsearch/index_template.json
      notify: restart elasticsearch

  handlers:
    - name: restart elasticsearch
      service:
        name: elasticsearch
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 27 – Configure Prometheus Alertmanager**

```
---
- name: Scenario 27 - Prometheus Alertmanager
  hosts: monitoring
  become: yes
```

```
  roles:
    - role: prometheus
    - role: alertmanager
  tasks:
    - name: Deploy alertmanager config
      template:
        src: alertmanager.yml.j2
        dest: /etc/alertmanager/alertmanager.yml
      notify: restart alertmanager

  handlers:
    - name: restart alertmanager
      service:
        name: alertmanager
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 28 – Deploy HAProxy + Certbot SSL**

```
---
- name: Scenario 28 - HAProxy with SSL
  hosts: loadbalancers
  become: yes
  roles:
    - role: haproxy
    - role: certbot
  tasks:
    - name: Deploy HAProxy SSL config
      template:
        src: haproxy_ssl.cfg.j2
        dest: /etc/haproxy/haproxy.cfg
```

```
    notify: reload haproxy

 handlers:
  - name: reload haproxy
    service:
      name: haproxy
      state: reloaded
```

🔥 **SCENARIO PLAYBOOK 29 – Deploy Redis Sentinel**

```
---
- name: Scenario 29 - Redis Sentinel
 hosts: cacheservers
 become: yes
 roles:
  - role: redis
 tasks:
  - name: Deploy sentinel config
    template:
      src: sentinel.conf.j2
      dest: /etc/redis/sentinel.conf
    notify: restart redis

 handlers:
  - name: restart redis
    service:
      name: redis
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 30 – Configure Database Backup with Cron**

```
---
- name: Scenario 30 - Database Backup Cron
  hosts: backupservers
  become: yes
  roles:
    - role: backup
  tasks:
    - name: Deploy DB backup script
      template:
        src: backup_script.sh.j2
        dest: /opt/backup/backup.sh
      notify: reload cron

  handlers:
    - name: reload cron
      service:
        name: crond
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 31 – Deploy Java Spring Boot App with Nginx Proxy**

```
---
- name: Scenario 31 - Spring Boot App Deployment
  hosts: appservers
  become: yes
  roles:
    - role: java
    - role: nginx
  tasks:
    - name: Deploy WAR file
```

```
    copy:
      src: myapp.war
      dest: /opt/springapp/myapp.war
  - name: Restart Spring Boot service
    systemd:
      name: springapp
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 32 – Setup MySQL Master-Slave Replication**

```
---
- name: Scenario 32 - MySQL Master-Slave
 hosts: dbservers
 become: yes
 roles:
  - role: mysql
 tasks:
  - name: Configure replication
    template:
      src: replication.cnf.j2
      dest: /etc/mysql/conf.d/replication.cnf
    notify: restart mysql

 handlers:
  - name: restart mysql
    service:
      name: mysqld
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 33 – Deploy Dockerized App with Compose**

```
---
- name: Scenario 33 - Docker Compose App
  hosts: appservers
  become: yes
  roles:
    - role: docker
  tasks:
    - name: Deploy docker-compose file
      template:
        src: docker-compose.yml.j2
        dest: /opt/dockerapp/docker-compose.yml
      notify: restart docker-compose-app

  handlers:
    - name: restart docker-compose-app
      shell: "docker-compose -f /opt/dockerapp/docker-compose.yml down && docker-compose -f /opt/dockerapp/docker-compose.yml up -d"
```

🔥 **SCENARIO PLAYBOOK 34 – Setup Nginx Load Balancer for Multiple Web Apps**

```
---
- name: Scenario 34 - Nginx Load Balancer
  hosts: loadbalancers
  become: yes
  roles:
    - role: nginx
  tasks:
    - name: Deploy LB config
      template:
        src: lb.conf.j2
```

```
    dest: /etc/nginx/conf.d/loadbalancer.conf
  notify: reload nginx

handlers:
 - name: reload nginx
   service:
    name: nginx
    state: reloaded
```

🔥 **SCENARIO PLAYBOOK 35 – Configure PostgreSQL Backup and Restore**

```
---
- name: Scenario 35 - PostgreSQL Backup
 hosts: backupservers
 become: yes
 roles:
  - role: postgresql
  - role: backup
 tasks:
  - name: Deploy backup script
    template:
     src: pg_backup.sh.j2
     dest: /opt/backup/pg_backup.sh
    notify: reload cron

 handlers:
  - name: reload cron
    service:
     name: crond
     state: restarted
```

🔥 **SCENARIO PLAYBOOK 36 – Deploy ELK Stack with Beats Agents**

```
- name: Scenario 36 - ELK Stack + Beats
  hosts: monitoring
  become: yes
  roles:
    - role: elasticsearch
    - role: logstash
    - role: kibana
    - role: filebeat
    - role: metricbeat
```

🔥 **SCENARIO PLAYBOOK 37 – Setup Prometheus + Grafana Alerts**

```
- name: Scenario 37 - Prometheus Alerts
  hosts: monitoring
  become: yes
  roles:
    - role: prometheus
    - role: grafana
  tasks:
    - name: Deploy alert rules
      copy:
        src: alert_rules.yml
        dest: /etc/prometheus/alert_rules.yml
      notify: reload prometheus

  handlers:
```

```
  - name: reload prometheus
    service:
      name: prometheus
      state: reloaded
```

🔥 **SCENARIO PLAYBOOK 38 – Deploy Redis Cluster with Sentinel**

```
---
- name: Scenario 38 - Redis Sentinel Cluster
  hosts: cacheservers
  become: yes
  roles:
    - role: redis
  tasks:
    - name: Deploy sentinel config
      template:
        src: sentinel.conf.j2
        dest: /etc/redis/sentinel.conf
      notify: restart redis

  handlers:
    - name: restart redis
      service:
        name: redis
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 39 – Configure HAProxy + SSL Certificates**

```
---
- name: Scenario 39 - HAProxy SSL
  hosts: loadbalancers
```

```
 become: yes
 roles:
  - role: haproxy
  - role: certbot
 tasks:
  - name: Deploy HAProxy SSL config
    template:
      src: haproxy_ssl.cfg.j2
      dest: /etc/haproxy/haproxy.cfg
    notify: reload haproxy

 handlers:
  - name: reload haproxy
    service:
      name: haproxy
      state: reloaded
```

🔥 **SCENARIO PLAYBOOK 40 – CI/CD Pipeline with Multiple Apps**

```
---
- name: Scenario 40 - CI/CD Multiple Apps
 hosts: cicdservers
 become: yes
 roles:
  - role: jenkins
 tasks:
  - name: Deploy app1 pipeline
    template:
      src: app1_pipeline.xml.j2
      dest: /var/lib/jenkins/jobs/app1/config.xml
```

```
  - name: Deploy app2 pipeline
    template:
      src: app2_pipeline.xml.j2
      dest: /var/lib/jenkins/jobs/app2/config.xml
    notify: restart jenkins

 handlers:
  - name: restart jenkins
    service:
      name: jenkins
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 41 – Deploy Java Microservices with Docker**

```
---
- name: Scenario 41 - Java Microservices Deployment
 hosts: appservers
 become: yes
 roles:
  - role: docker
  - role: java
 tasks:
  - name: Deploy microservice Docker images
    docker_image:
      name: "{{ item.name }}"
      source: pull
    loop:
      - { name: 'service1:latest' }
      - { name: 'service2:latest' }
  - name: Start Docker containers
```

```
    docker_container:
      name: "{{ item.name }}"
      image: "{{ item.name }}"
      state: started
    loop:
      - { name: 'service1:latest' }
      - { name: 'service2:latest' }
```

🔥 **SCENARIO PLAYBOOK 42 – Setup MySQL Galera Cluster**

```
---
- name: Scenario 42 - MySQL Galera Cluster
  hosts: dbservers
  become: yes
  roles:
    - role: mysql
  tasks:
    - name: Deploy Galera config
      template:
        src: galera.cnf.j2
        dest: /etc/mysql/conf.d/galera.cnf
      notify: restart mysql

  handlers:
    - name: restart mysql
      service:
        name: mysqld
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 43 – Deploy Python Django App with Gunicorn & Nginx**

```
---
- name: Scenario 43 - Django App Deployment
  hosts: appservers
  become: yes
  roles:
    - role: python
    - role: nginx
  tasks:
    - name: Deploy app code
      git:
        repo: 'https://github.com/org/djangoapp.git'
        dest: /opt/djangoapp
    - name: Restart Gunicorn service
      systemd:
        name: djangoapp
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 44 – Setup Kubernetes Namespaces and RBAC**

```
---
- name: Scenario 44 - Kubernetes Namespaces & RBAC
  hosts: k8s_nodes
  become: yes
  roles:
    - role: kube_master
  tasks:
    - name: Create namespaces
      shell: "kubectl create namespace {{ item }}"
      loop:
        - dev
```

```
      - staging
      - prod
  - name: Apply RBAC roles
    shell: "kubectl apply -f rbac.yaml"
```

🔥 **SCENARIO PLAYBOOK 45 – Configure Jenkins Multibranch Pipeline**

```
---
- name: Scenario 45 - Jenkins Multibranch Pipeline
  hosts: cicdservers
  become: yes
  roles:
    - role: jenkins
  tasks:
    - name: Deploy multibranch pipeline job
      template:
        src: multibranch_job.xml.j2
        dest: /var/lib/jenkins/jobs/multibranch/config.xml
      notify: restart jenkins

  handlers:
    - name: restart jenkins
      service:
        name: jenkins
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 46 – Setup ELK Stack with Log Forwarding**

```
---
- name: Scenario 46 - ELK Stack Log Forwarding
  hosts: monitoring
```

```
 become: yes
 roles:
  - role: elasticsearch
  - role: logstash
  - role: kibana
  - role: filebeat
 tasks:
  - name: Deploy logstash pipelines
    template:
      src: pipelines.conf.j2
      dest: /etc/logstash/conf.d/pipelines.conf
    notify: restart logstash

 handlers:
  - name: restart logstash
    service:
      name: logstash
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 47 – Configure Prometheus Blackbox Exporter**

```
---
- name: Scenario 47 - Prometheus Blackbox Exporter
 hosts: monitoring
 become: yes
 roles:
  - role: prometheus
  - role: blackbox_exporter
 tasks:
  - name: Deploy blackbox config
```

```
    template:
      src: blackbox.yml.j2
      dest: /etc/blackbox_exporter/blackbox.yml
    notify: restart blackbox_exporter

 handlers:
  - name: restart blackbox_exporter
    service:
      name: blackbox_exporter
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 48 – Deploy HAProxy with Multiple Backends**

```
---
- name: Scenario 48 - HAProxy Multiple Backends
 hosts: loadbalancers
 become: yes
 roles:
  - role: haproxy
 tasks:
  - name: Deploy HAProxy backend config
    template:
      src: haproxy_backends.cfg.j2
      dest: /etc/haproxy/haproxy.cfg
    notify: reload haproxy

 handlers:
  - name: reload haproxy
    service:
      name: haproxy
```

```
      state: reloaded
```

🔥 **SCENARIO PLAYBOOK 49 – Setup Redis Cluster with Sentinel Failover**

```
---
- name: Scenario 49 - Redis Sentinel Failover
  hosts: cacheservers
  become: yes
  roles:
    - role: redis
  tasks:
    - name: Deploy sentinel config
      template:
        src: sentinel_failover.conf.j2
        dest: /etc/redis/sentinel.conf
      notify: restart redis

  handlers:
    - name: restart redis
      service:
        name: redis
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 50 – Configure Automated DB Backups with Retention**

```
---
- name: Scenario 50 - Automated DB Backups
  hosts: backupservers
  become: yes
  roles:
    - role: backup
```

```
 tasks:
  - name: Deploy backup script
    template:
      src: backup_with_retention.sh.j2
      dest: /opt/backup/db_backup.sh
    notify: reload cron

 handlers:
  - name: reload cron
    service:
      name: crond
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 51 – Deploy Java Microservices with Kubernetes**

```
---
- name: Scenario 51 - Java Microservices on Kubernetes
 hosts: k8s_nodes
 become: yes
 roles:
  - role: kube_master
  - role: kube_worker
 tasks:
  - name: Apply deployment manifests
    shell: "kubectl apply -f /opt/k8s/deployments/"
```

🔥 **SCENARIO PLAYBOOK 52 – Setup MySQL High Availability with Keepalived**

```
---
- name: Scenario 52 - MySQL HA with Keepalived
 hosts: dbservers
```

```
  become: yes
  roles:
    - role: mysql
    - role: keepalived
  tasks:
    - name: Deploy MySQL HA config
      template:
        src: mysql_ha.cnf.j2
        dest: /etc/mysql/conf.d/mysql_ha.cnf
      notify: restart mysql

  handlers:
    - name: restart mysql
      service:
        name: mysqld
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 53 – Deploy Python Flask App with Gunicorn and Nginx**

```
---
- name: Scenario 53 - Flask App Deployment
  hosts: appservers
  become: yes
  roles:
    - role: python
    - role: nginx
  tasks:
    - name: Deploy app code
      git:
        repo: 'https://github.com/org/flaskapp.git'
```

```
    dest: /opt/flaskapp
  - name: Restart Gunicorn
    systemd:
      name: flaskapp
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 54 – Setup Kubernetes Ingress Controller**

```
---
- name: Scenario 54 - Kubernetes Ingress
  hosts: k8s_nodes
  become: yes
  roles:
    - role: kube_master
  tasks:
    - name: Deploy ingress controller
      shell: "kubectl apply -f /opt/k8s/ingress-controller.yaml"
```

🔥 **SCENARIO PLAYBOOK 55 – Jenkins CI/CD Pipeline for Multi-Branch**

```
---
- name: Scenario 55 - Jenkins Multi-Branch Pipeline
  hosts: cicdservers
  become: yes
  roles:
    - role: jenkins
  tasks:
    - name: Deploy multi-branch pipeline
      template:
        src: multi_branch_job.xml.j2
        dest: /var/lib/jenkins/jobs/multi_branch/config.xml
```

```
    notify: restart jenkins

 handlers:
  - name: restart jenkins
    service:
      name: jenkins
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 56 – Setup ELK Stack with Custom Pipelines**

```
---
- name: Scenario 56 - ELK Custom Pipelines
 hosts: monitoring
 become: yes
 roles:
  - role: elasticsearch
  - role: logstash
  - role: kibana
  - role: filebeat
 tasks:
  - name: Deploy logstash pipelines
    template:
      src: pipelines_custom.conf.j2
      dest: /etc/logstash/conf.d/pipelines.conf
    notify: restart logstash

 handlers:
  - name: restart logstash
    service:
      name: logstash
```

```
    state: restarted
```

🔥 SCENARIO PLAYBOOK 57 – Prometheus Node & Blackbox Exporters

```
---
- name: Scenario 57 - Prometheus Node + Blackbox
  hosts: monitoring
  become: yes
  roles:
    - role: prometheus
    - role: node_exporter
    - role: blackbox_exporter
  tasks:
    - name: Deploy exporter configs
      template:
        src: exporters.yml.j2
        dest: /etc/prometheus/exporters.yml
      notify: reload prometheus

  handlers:
    - name: reload prometheus
      service:
        name: prometheus
        state: reloaded
```

🔥 SCENARIO PLAYBOOK 58 – HAProxy Load Balancer with SSL & Multiple Apps

```
---
- name: Scenario 58 - HAProxy SSL Multi-App
  hosts: loadbalancers
  become: yes
```

```
roles:
  - role: haproxy
  - role: certbot
tasks:
  - name: Deploy HAProxy config
    template:
      src: haproxy_multi.cfg.j2
      dest: /etc/haproxy/haproxy.cfg
    notify: reload haproxy

handlers:
  - name: reload haproxy
    service:
      name: haproxy
      state: reloaded
```

🔥 **SCENARIO PLAYBOOK 59 – Redis Cluster with Sentinel Monitoring**

```
---
- name: Scenario 59 - Redis Cluster Sentinel
  hosts: cacheservers
  become: yes
  roles:
    - role: redis
  tasks:
    - name: Deploy sentinel configs
      template:
        src: sentinel_cluster.conf.j2
        dest: /etc/redis/sentinel.conf
      notify: restart redis
```

```
 handlers:
   - name: restart redis
     service:
       name: redis
       state: restarted
```

🔥 **SCENARIO PLAYBOOK 60 – Automated Backup with Retention Policy**

```
---
- name: Scenario 60 - Automated Backup with Retention
  hosts: backupservers
  become: yes
  roles:
    - role: backup
  tasks:
    - name: Deploy backup script
      template:
        src: backup_retention.sh.j2
        dest: /opt/backup/backup.sh
      notify: reload cron

  handlers:
    - name: reload cron
      service:
        name: crond
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 61 – Deploy Java Spring Boot Microservices with Docker Swarm**

```
---
- name: Scenario 61 - Spring Boot Microservices Docker Swarm
  hosts: swarm_nodes
  become: yes
  roles:
    - role: docker
    - role: java
  tasks:
    - name: Deploy microservice images
      docker_image:
        name: "{{ item }}"
        source: pull
      loop:
        - service1:latest
        - service2:latest
    - name: Start containers
      docker_swarm_service:
        name: "{{ item }}"
        image: "{{ item }}"
        state: present
      loop:
        - service1:latest
        - service2:latest
```

🔥 **SCENARIO PLAYBOOK 62 – Setup MySQL Master-Master Replication**

```
---
- name: Scenario 62 - MySQL Master-Master
  hosts: dbservers
  become: yes
```

```
roles:
  - role: mysql
tasks:
  - name: Deploy master-master replication config
    template:
      src: master_master.cnf.j2
      dest: /etc/mysql/conf.d/master_master.cnf
    notify: restart mysql

handlers:
  - name: restart mysql
    service:
      name: mysqld
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 63 – Deploy Python Django App with Gunicorn and Nginx**

```
---
- name: Scenario 63 - Django App Deployment
  hosts: appservers
  become: yes
  roles:
    - role: python
    - role: nginx
  tasks:
    - name: Deploy app code
      git:
        repo: 'https://github.com/org/djangoapp.git'
        dest: /opt/djangoapp
    - name: Restart Gunicorn
```

```
    systemd:
      name: djangoapp
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 64 – Kubernetes Cluster with Helm Charts**

```
---
- name: Scenario 64 - Kubernetes Helm Deployment
  hosts: k8s_nodes
  become: yes
  roles:
    - role: kube_master
    - role: kube_worker
  tasks:
    - name: Deploy Helm charts
      shell: "helm upgrade --install myapp /opt/helm/myapp"
```

🔥 **SCENARIO PLAYBOOK 65 – Jenkins CI/CD Pipeline with Multi-Project**

```
---
- name: Scenario 65 - Jenkins Multi-Project Pipeline
  hosts: cicdservers
  become: yes
  roles:
    - role: jenkins
  tasks:
    - name: Deploy project1 pipeline
      template:
        src: project1_pipeline.xml.j2
        dest: /var/lib/jenkins/jobs/project1/config.xml
    - name: Deploy project2 pipeline
```

```
    template:
      src: project2_pipeline.xml.j2
      dest: /var/lib/jenkins/jobs/project2/config.xml
    notify: restart jenkins

 handlers:
  - name: restart jenkins
    service:
      name: jenkins
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 66 – ELK Stack with Custom Log Parsing**

```
---
- name: Scenario 66 - ELK Custom Parsing
 hosts: monitoring
 become: yes
 roles:
  - role: elasticsearch
  - role: logstash
  - role: kibana
  - role: filebeat
 tasks:
  - name: Deploy logstash parsing rules
    template:
      src: logstash_rules.conf.j2
      dest: /etc/logstash/conf.d/logstash_rules.conf
    notify: restart logstash

 handlers:
```

```
  - name: restart logstash
    service:
      name: logstash
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 67 – Prometheus + Grafana + Alertmanager Setup**

```
---
- name: Scenario 67 - Prometheus & Grafana Monitoring
 hosts: monitoring
 become: yes
 roles:
  - role: prometheus
  - role: grafana
  - role: alertmanager
 tasks:
  - name: Deploy alertmanager config
    template:
      src: alertmanager.yml.j2
      dest: /etc/alertmanager/alertmanager.yml
    notify: restart alertmanager

 handlers:
  - name: restart alertmanager
    service:
      name: alertmanager
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 68 – HAProxy Load Balancer with SSL Certificates**

```
---
```

```
- name: Scenario 68 - HAProxy SSL
  hosts: loadbalancers
  become: yes
  roles:
    - role: haproxy
    - role: certbot
  tasks:
    - name: Deploy HAProxy config
      template:
        src: haproxy_ssl_multi.cfg.j2
        dest: /etc/haproxy/haproxy.cfg
      notify: reload haproxy

  handlers:
    - name: reload haproxy
      service:
        name: haproxy
        state: reloaded
```

🔥 **SCENARIO PLAYBOOK 69 – Redis Cluster with Sentinel Failover**

```
---
- name: Scenario 69 - Redis Sentinel Failover
  hosts: cacheservers
  become: yes
  roles:
    - role: redis
  tasks:
    - name: Deploy sentinel failover config
      template:
```

```
    src: sentinel_failover.conf.j2
    dest: /etc/redis/sentinel.conf
  notify: restart redis

handlers:
 - name: restart redis
   service:
    name: redis
    state: restarted
```

🔥 **SCENARIO PLAYBOOK 70 – Automated Database Backups with Retention Policy**

```
---
- name: Scenario 70 - Automated DB Backup
 hosts: backupservers
 become: yes
 roles:
  - role: backup
 tasks:
  - name: Deploy backup script
    template:
     src: backup_db_retention.sh.j2
     dest: /opt/backup/db_backup.sh
    notify: reload cron

 handlers:
  - name: reload cron
    service:
     name: crond
     state: restarted
```

🔥 **SCENARIO PLAYBOOK 71 – Deploy Java Microservices with Kubernetes and Helm**

```
- name: Scenario 71 - Java Microservices Kubernetes Helm
  hosts: k8s_nodes
  become: yes
  roles:
    - role: kube_master
    - role: kube_worker
  tasks:
    - name: Deploy Helm charts for microservices
      shell: "helm upgrade --install service1 /opt/helm/service1"
    - name: Deploy Helm charts for service2
      shell: "helm upgrade --install service2 /opt/helm/service2"
```

🔥 **SCENARIO PLAYBOOK 72 – Setup MySQL Cluster with ProxySQL**

```
- name: Scenario 72 - MySQL Cluster with ProxySQL
  hosts: dbservers
  become: yes
  roles:
    - role: mysql
    - role: proxysql
  tasks:
    - name: Deploy ProxySQL config
      template:
        src: proxysql.cnf.j2
        dest: /etc/proxysql.cnf
```

```
    notify: restart proxysql

 handlers:
  - name: restart proxysql
    service:
      name: proxysql
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 73 – Deploy Python Flask App with Nginx and Gunicorn**

```
---
- name: Scenario 73 - Flask App Deployment
 hosts: appservers
 become: yes
 roles:
  - role: python
  - role: nginx
 tasks:
  - name: Deploy Flask code
    git:
      repo: 'https://github.com/org/flaskapp.git'
      dest: /opt/flaskapp
  - name: Restart Gunicorn service
    systemd:
      name: flaskapp
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 74 – Kubernetes Cluster Setup with Calico Networking**

```
---
- name: Scenario 74 - Kubernetes with Calico
```

```
 hosts: k8s_nodes
 become: yes
 roles:
  - role: kube_master
  - role: kube_worker
 tasks:
  - name: Apply Calico networking
    shell: "kubectl apply -f /opt/k8s/calico.yaml"
```

🔥 **SCENARIO PLAYBOOK 75 – Jenkins CI/CD Pipeline for Multi-Repo Projects**

```
---
- name: Scenario 75 - Jenkins Multi-Repo CI/CD
 hosts: cicdservers
 become: yes
 roles:
  - role: jenkins
 tasks:
  - name: Deploy repo1 pipeline
    template:
      src: repo1_pipeline.xml.j2
      dest: /var/lib/jenkins/jobs/repo1/config.xml
  - name: Deploy repo2 pipeline
    template:
      src: repo2_pipeline.xml.j2
      dest: /var/lib/jenkins/jobs/repo2/config.xml
    notify: restart jenkins

 handlers:
  - name: restart jenkins
```

```
    service:
      name: jenkins
      state: restarted
```

🔥 SCENARIO PLAYBOOK 76 – ELK Stack Deployment with Beats & Custom Dashboards

```
---
- name: Scenario 76 - ELK + Beats + Dashboards
  hosts: monitoring
  become: yes
  roles:
    - role: elasticsearch
    - role: logstash
    - role: kibana
    - role: filebeat
    - role: metricbeat
  tasks:
    - name: Deploy dashboards
      copy:
        src: dashboards/
        dest: /var/lib/kibana/dashboards/
```

🔥 SCENARIO PLAYBOOK 77 – Prometheus + Grafana + Blackbox Exporter Monitoring

```
---
- name: Scenario 77 - Prometheus & Grafana Blackbox
  hosts: monitoring
  become: yes
  roles:
```

```
  - role: prometheus
  - role: grafana
  - role: blackbox_exporter
 tasks:
  - name: Deploy exporter configs
    template:
      src: exporters.yml.j2
      dest: /etc/prometheus/exporters.yml
    notify: reload prometheus

 handlers:
  - name: reload prometheus
    service:
      name: prometheus
      state: reloaded
```

🔥 **SCENARIO PLAYBOOK 78 – HAProxy Load Balancer with Multiple Domains & SSL**

```
---
- name: Scenario 78 - HAProxy SSL Multi-Domain
 hosts: loadbalancers
 become: yes
 roles:
  - role: haproxy
  - role: certbot
 tasks:
  - name: Deploy HAProxy config for multiple domains
    template:
      src: haproxy_multi_domains.cfg.j2
      dest: /etc/haproxy/haproxy.cfg
```

```
    notify: reload haproxy

 handlers:
  - name: reload haproxy
    service:
      name: haproxy
      state: reloaded
```

🔥 **SCENARIO PLAYBOOK 79 – Redis Cluster with Sentinel & Automatic Failover**

```
---
- name: Scenario 79 - Redis Sentinel Automatic Failover
 hosts: cacheservers
 become: yes
 roles:
  - role: redis
 tasks:
  - name: Deploy sentinel config
    template:
      src: sentinel_auto_failover.conf.j2
      dest: /etc/redis/sentinel.conf
    notify: restart redis

 handlers:
  - name: restart redis
    service:
      name: redis
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 80 – Automated Backup with Retention and Alerts**

```
- name: Scenario 80 - Automated Backup + Alerts
  hosts: backupservers
  become: yes
  roles:
    - role: backup
  tasks:
    - name: Deploy backup script
      template:
        src: backup_alerts.sh.j2
        dest: /opt/backup/backup.sh
      notify: reload cron

  handlers:
    - name: reload cron
      service:
        name: crond
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 81 – Deploy Java Microservices with Kubernetes + Ingress**

```
- name: Scenario 81 - Java Microservices Kubernetes with Ingress
  hosts: k8s_nodes
  become: yes
  roles:
    - role: kube_master
    - role: kube_worker
  tasks:
```

```
  - name: Deploy service1 Helm chart
    shell: "helm upgrade --install service1 /opt/helm/service1"
  - name: Deploy service2 Helm chart
    shell: "helm upgrade --install service2 /opt/helm/service2"
  - name: Apply ingress resources
    shell: "kubectl apply -f /opt/k8s/ingress/"
```

🔥 **SCENARIO PLAYBOOK 82 – Setup MySQL Master-Slave with Monitoring**

```
---
- name: Scenario 82 - MySQL Master-Slave with Monitoring
  hosts: dbservers
  become: yes
  roles:
    - role: mysql
    - role: monitoring
  tasks:
    - name: Deploy replication config
      template:
        src: replication.cnf.j2
        dest: /etc/mysql/conf.d/replication.cnf
      notify: restart mysql

  handlers:
    - name: restart mysql
      service:
        name: mysqld
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 83 – Deploy Python Django App with Gunicorn, Nginx & SSL**

```
- name: Scenario 83 - Django App Deployment with SSL
  hosts: appservers
  become: yes
  roles:
    - role: python
    - role: nginx
    - role: certbot
  tasks:
    - name: Deploy Django code
      git:
        repo: 'https://github.com/org/djangoapp.git'
        dest: /opt/djangoapp
    - name: Restart Gunicorn
      systemd:
        name: djangoapp
        state: restarted
```

🔥 **SCENARIO PLAYBOOK 84 – Kubernetes Cluster with Metrics Server and Prometheus**

```
- name: Scenario 84 - Kubernetes Metrics + Prometheus
  hosts: k8s_nodes
  become: yes
  roles:
    - role: kube_master
    - role: kube_worker
```

```
  - role: prometheus
 tasks:
  - name: Deploy metrics server
    shell: "kubectl apply -f /opt/k8s/metrics-server.yaml"
```

🔥 **SCENARIO PLAYBOOK 85 – Jenkins CI/CD for Multi-Service Microservices**

```
---
- name: Scenario 85 - Jenkins Multi-Service CI/CD
 hosts: cicdservers
 become: yes
 roles:
  - role: jenkins
 tasks:
  - name: Deploy pipeline for service1
    template:
      src: service1_pipeline.xml.j2
      dest: /var/lib/jenkins/jobs/service1/config.xml
  - name: Deploy pipeline for service2
    template:
      src: service2_pipeline.xml.j2
      dest: /var/lib/jenkins/jobs/service2/config.xml
    notify: restart jenkins

 handlers:
  - name: restart jenkins
    service:
      name: jenkins
      state: restarted
```

🔥 SCENARIO PLAYBOOK 86 – ELK Stack with Custom Dashboards & Alerts

---

```
- name: Scenario 86 - ELK + Dashboards + Alerts
  hosts: monitoring
  become: yes
  roles:
    - role: elasticsearch
    - role: logstash
    - role: kibana
    - role: filebeat
  tasks:
    - name: Deploy dashboards
      copy:
        src: dashboards/
        dest: /var/lib/kibana/dashboards/
    - name: Deploy log alerts
      template:
        src: log_alerts.yml.j2
        dest: /etc/logstash/conf.d/alerts.yml
      notify: restart logstash

  handlers:
    - name: restart logstash
      service:
        name: logstash
        state: restarted
```

🔥 SCENARIO PLAYBOOK 87 – Prometheus Node & Blackbox Exporter with Grafana Dashboards

```
---
- name: Scenario 87 - Prometheus + Blackbox + Grafana
  hosts: monitoring
  become: yes
  roles:
    - role: prometheus
    - role: blackbox_exporter
    - role: grafana
  tasks:
    - name: Deploy exporter configs
      template:
        src: exporters.yml.j2
        dest: /etc/prometheus/exporters.yml
      notify: reload prometheus

  handlers:
    - name: reload prometheus
      service:
        name: prometheus
        state: reloaded
```

🔥 **SCENARIO PLAYBOOK 88 – HAProxy Load Balancer with Multiple Backends & SSL**

```
---
- name: Scenario 88 - HAProxy Multi-Backend SSL
  hosts: loadbalancers
  become: yes
  roles:
    - role: haproxy
```

```
  - role: certbot
 tasks:
  - name: Deploy HAProxy config
    template:
      src: haproxy_multi_backends.cfg.j2
      dest: /etc/haproxy/haproxy.cfg
    notify: reload haproxy

 handlers:
  - name: reload haproxy
    service:
      name: haproxy
      state: reloaded
```

🔥 **SCENARIO PLAYBOOK 89 – Redis Cluster with Sentinel & Auto-Failover**

```
---
- name: Scenario 89 - Redis Sentinel Auto-Failover
 hosts: cacheservers
 become: yes
 roles:
  - role: redis
 tasks:
  - name: Deploy sentinel auto-failover config
    template:
      src: sentinel_auto_failover.conf.j2
      dest: /etc/redis/sentinel.conf
    notify: restart redis

 handlers:
```

```
  - name: restart redis
    service:
      name: redis
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 90 – Automated Backup with Retention & Email Alerts**

```
---
- name: Scenario 90 - Automated Backup with Email Alerts
 hosts: backupservers
 become: yes
 roles:
  - role: backup
 tasks:
  - name: Deploy backup script
    template:
      src: backup_email.sh.j2
      dest: /opt/backup/backup.sh
    notify: reload cron

 handlers:
  - name: reload cron
    service:
      name: crond
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 91 – Deploy Java Microservices with Kubernetes + Helm + Ingress**

```
---
- name: Scenario 91 - Java Microservices Kubernetes Helm with Ingress
```

```
 hosts: k8s_nodes
 become: yes
 roles:
  - role: kube_master
  - role: kube_worker
 tasks:
  - name: Deploy service1 Helm chart
    shell: "helm upgrade --install service1 /opt/helm/service1"
  - name: Deploy service2 Helm chart
    shell: "helm upgrade --install service2 /opt/helm/service2"
  - name: Apply ingress resources
    shell: "kubectl apply -f /opt/k8s/ingress/"
```

🔥 **SCENARIO PLAYBOOK 92 – Setup MySQL Cluster with Monitoring & Alerts**

```
---
- name: Scenario 92 - MySQL Cluster with Monitoring & Alerts
 hosts: dbservers
 become: yes
 roles:
  - role: mysql
  - role: monitoring
 tasks:
  - name: Deploy cluster replication config
    template:
      src: cluster_replication.cnf.j2
      dest: /etc/mysql/conf.d/cluster_replication.cnf
    notify: restart mysql

 handlers:
```

```
  - name: restart mysql
    service:
      name: mysqld
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 93 – Deploy Python Django App with Nginx, Gunicorn & SSL**

```
---
- name: Scenario 93 - Django App with SSL Deployment
 hosts: appservers
 become: yes
 roles:
  - role: python
  - role: nginx
  - role: certbot
 tasks:
  - name: Deploy Django code
    git:
      repo: 'https://github.com/org/djangoapp.git'
      dest: /opt/djangoapp
  - name: Restart Gunicorn
    systemd:
      name: djangoapp
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 94 – Kubernetes Cluster with Metrics + Prometheus + Grafana**

```
---
- name: Scenario 94 - Kubernetes Metrics + Prometheus + Grafana
```

```
 hosts: k8s_nodes
 become: yes
 roles:
  - role: kube_master
  - role: kube_worker
  - role: prometheus
  - role: grafana
 tasks:
  - name: Deploy metrics server
    shell: "kubectl apply -f /opt/k8s/metrics-server.yaml"
```

🔥 **SCENARIO PLAYBOOK 95 – Jenkins Multi-Service CI/CD Pipeline with Notifications**

```
---
- name: Scenario 95 - Jenkins Multi-Service CI/CD with Notifications
 hosts: cicdservers
 become: yes
 roles:
  - role: jenkins
 tasks:
  - name: Deploy pipeline for service1
    template:
      src: service1_pipeline.xml.j2
      dest: /var/lib/jenkins/jobs/service1/config.xml
  - name: Deploy pipeline for service2
    template:
      src: service2_pipeline.xml.j2
      dest: /var/lib/jenkins/jobs/service2/config.xml
    notify: restart jenkins
```

```
 handlers:
   - name: restart jenkins
     service:
       name: jenkins
       state: restarted
```

🔥 **SCENARIO PLAYBOOK 96 – ELK Stack with Custom Dashboards, Alerts & Filebeat**

```
---
- name: Scenario 96 - ELK + Dashboards + Alerts + Filebeat
  hosts: monitoring
  become: yes
  roles:
    - role: elasticsearch
    - role: logstash
    - role: kibana
    - role: filebeat
  tasks:
    - name: Deploy dashboards
      copy:
        src: dashboards/
        dest: /var/lib/kibana/dashboards/
    - name: Deploy log alerts
      template:
        src: log_alerts.yml.j2
        dest: /etc/logstash/conf.d/alerts.yml
      notify: restart logstash
```

```
 handlers:
   - name: restart logstash
     service:
       name: logstash
       state: restarted
```

🔥 **SCENARIO PLAYBOOK 97 – Prometheus + Grafana + Node & Blackbox Exporters**

```
---
- name: Scenario 97 - Prometheus + Grafana + Exporters
  hosts: monitoring
  become: yes
  roles:
    - role: prometheus
    - role: grafana
    - role: node_exporter
    - role: blackbox_exporter
  tasks:
    - name: Deploy exporter configs
      template:
        src: exporters.yml.j2
        dest: /etc/prometheus/exporters.yml
      notify: reload prometheus

  handlers:
    - name: reload prometheus
      service:
        name: prometheus
        state: reloaded
```

🔥 **SCENARIO PLAYBOOK 98 – HAProxy Load Balancer with SSL, Multiple Domains & Health Checks**

```
- name: Scenario 98 - HAProxy SSL Multi-Domain + Health Checks
  hosts: loadbalancers
  become: yes
  roles:
    - role: haproxy
    - role: certbot
  tasks:
    - name: Deploy HAProxy config
      template:
        src: haproxy_multi_domains_health.cfg.j2
        dest: /etc/haproxy/haproxy.cfg
      notify: reload haproxy

  handlers:
    - name: reload haproxy
      service:
        name: haproxy
        state: reloaded
```

🔥 **SCENARIO PLAYBOOK 99 – Redis Cluster with Sentinel, Auto-Failover & Monitoring**

```
- name: Scenario 99 - Redis Sentinel Auto-Failover with Monitoring
  hosts: cacheservers
  become: yes
  roles:
```

```
  - role: redis
  - role: monitoring
 tasks:
  - name: Deploy sentinel auto-failover config
    template:
      src: sentinel_auto_failover.conf.j2
      dest: /etc/redis/sentinel.conf
    notify: restart redis

 handlers:
  - name: restart redis
    service:
      name: redis
      state: restarted
```

🔥 **SCENARIO PLAYBOOK 100 – Automated Backup with Retention, Alerts & Verification**

```
---
- name: Scenario 100 - Automated Backup with Retention & Verification
  hosts: backupservers
  become: yes
  roles:
    - role: backup
  tasks:
    - name: Deploy backup script
      template:
        src: backup_verify.sh.j2
        dest: /opt/backup/backup.sh
      notify: reload cron
```

```
handlers:
  - name: reload cron
    service:
      name: crond
      state: restarted
```

ALL DONE 🎯