DevOps Tasks examples

1. **Provision EC2 Instances** - Set up AWS instances for staging.
2. **Update Nginx Config** - Adjust config for load balancing.
3. **Jenkins Pipeline Setup** - Automate testing and deployment.
4. **Dockerize App** - Containerize app components.
5. **Kubernetes Manifests** - Orchestrate app pods.
6. **Prometheus Alerts** - Monitor and alert on CPU usage.
7. **ELK Logging** - Centralize and analyze logs.
8. **Automate DB Backups** - Script for backups to S3.
9. **Blue-Green Deploy** - Safe prod deployment.
10. **Terraform VPC** - Define VPC with Terraform.
11. **Vulnerability Scan** - Audit server security.
12. **Firewall Rules** - Configure network rules.
13. **DB Index Tuning** - Optimize query performance.
14. **GitLab CI/CD** - Auto-deploy to QA.
15. **Git Workflow** - Manage branches.
16. **Swarm Scaling** - Scale Docker services.
17. **Config Drift Fix** - Align configs to baseline.
18. **K8s Node Scaling** - Handle traffic spikes.
19. **New Relic Integration** - App monitoring.
20. **Data Backup Validation** - Test backup recovery.
21. **DB Upgrade & Migration** - Update and migrate.
22. **Rollback Deployment** - Revert to last version.
23. **Release Coordination** - Plan upcoming release.
24. **OS Patching** - Apply security updates.
25. **Load Test** - Measure system under load.
26. **Private Docker Registry** - Store Docker images.
27. **Grafana Dashboards** - Real-time insights.
28. **Disaster Recovery Drill** - Simulate failure.
29. **Config Backup to Git** - Track config changes.
30. **Consul Service Discovery** - Dynamic discovery.
31. **Auto-Scaling Rules** - Auto-scale resources.

32. **Env Cleanup** - Remove old resources.
33. **Pipeline Enhancements** - Optimize Jenkins.
34. **Git Code Review** - Collaborate on code.
35. **Secrets Management** - Secure info.
36. **Wireshark Analysis** - Monitor network.
37. **Fluentd Configuration** - Log forwarding.
38. **Docker Security Policies** - Protect containers.
39. **Performance Benchmark** - Test performance.
40. **Incident Resolution** - Handle issues.
41. **Artifactory Artifact Storage** - Store artifacts.
42. **Auto Config Backups** - Script backups.
43. **Deployment Verification** - Validate deployment.
44. **Pipeline Integration Testing** - Stages integration.
45. **K8s Scaling** - Scale pods.
46. **DB Replication Setup** - Set up replication.
47. **Real-time Monitoring** - Watch metrics.
48. **Cloud Compliance Audit** - Check compliance.
49. **Secrets Rotation** - Update credentials.
50. **Istio Integration** - Use service mesh.
51. **Infra Code Validation** - Review code.
52. **Rolling Deployment** - Gradual release.
53. **Automated Testing** - Code testing.
54. **Server Hardening** - Secure servers.
55. **Failover Test** - Test failover.
56. **Log Analysis** - Analyze logs.
57. **Image Vulnerability Scan** - Check images.
58. **Capacity Plan** - Plan resources.
59. **Git Workflow** - Manage branches.
60. **Infra Docs** - Keep docs updated.
61. **Blue-Green Validation** - Verify staging.
62. **Env Config Management** - Manage settings.
63. **Health Checks** - Monitor health.
64. **Cost Optimization** - Reduce expenses.

65. **Code Review** - Review code.
66. **Continuous Feedback** - Gather input.
67. **DB Tuning** - Optimize queries.
68. **Config Auditing** - Audit configs.
69. **Pipeline Resilience** - Handle failures.
70. **Scaling Strategy** - Plan for growth.
71. **Security Compliance** - Check security.
72. **Backup Testing** - Test recovery.
73. **Network Segmentation** - Secure network.
74. **Env Automation** - Set up envs.
75. **DB Backup Strategy** - Define backups.
76. **Secrets Encryption** - Secure secrets.
77. **Container Allocation** - Optimize usage.
78. **Deployment Plan Review** - Review plans.
79. **DB Replication Monitor** - Watch replication.
80. **Inventory Management** - Track resources.
81. **QA Env Setup** - Configure testing.
82. **Backup Recovery Test** - Test backups.
83. **CI Hooks** - Test on commits.
84. **Vulnerability Fixes** - Address issues.
85. **Log Retention Policy** - Define retention.
86. **Config Rollback** - Undo changes.
87. **Patch Management** - Update software.
88. **Pipeline Monitoring** - Watch pipeline.
89. **DB Backup Check** - Validate backups.
90. **Incident Response** - Manage incidents.
91. **Resource Tagging** - Organize resources.
92. **Continuous Deploy** - Deploy to prod.
93. **Redundancy Test** - Test failover.
94. **Secrets Access Control** - Manage access.
95. **Load Balancer Config** - Distribute traffic.
96. **Benchmark Performance** - Compare metrics.
97. **DB Migration Validation** - Verify migration.

98. **Automate Pipeline** - Script pipeline.

99. **Compliance Audit** - Check compliance.

100. **DR Plan Test** - Test recovery plan.

101. **Create IAM Roles** - Define permission roles.

102. **User Setup** - Establish user accounts and permissions.

103. **Attach Policies** - Link policies to roles.

104. **Group Management** - Organize users into groups.

105. **Permission Limits** - Set access boundaries.

106. **Temporary Access** - Time-limited permissions.

107. **Least Privilege** - Minimum required permissions.

108. **Delegate Role Creation** - Trusted role creation.

109. **MFA Enforcement** - Require multi-factor authentication.

110. **Access Key Update** - Regularly rotate keys.

111. **Password Policy** - Strong password rules.

112. **Generate Security Tokens** - Temporary tokens.

113. **Cross-Account Access** - Roles for sharing.

114. **Access Review** - Periodic permission checks.

115. **Policy Testing** - Test policy effectiveness.

116. **Policy Versioning** - Manage policy editions.

117. **Audit IAM Changes** - Monitor IAM updates.

118. **User Deactivation/Removal** - Disable or delete accounts.

119. **Review Privileges** - Validate access levels.

120. **Tag-Based Access** - Control via tags.

121. **Conditional Access** - Rule-based entry.

122. **Clean Unused Policies** - Remove unnecessary rules.

123. **Temporary Elevated Rights** - Temporary higher permissions.

124. **Key Usage Monitoring** - Watch key activity.

125. **Password Alerts** - Expire alert notifications.

126. **Role Rotation** - Regularly change roles.

127. **Access Logging** - Log IAM actions.

128. **Custom Policy Design** - Craft specific policies.

129. **Policy Scanning** - Check for over-permissioning.

130. **External Identity Integration** - Connect third-party IDs.

131. **Role Trust Policy** - Define role assumptions.

132. **Role-Based Control** - Roles for granular access.

133. **Policy Testing** - Simulate policy outcomes.

134. **Cross-Account Sharing** - Access across accounts.

135. **Access Auditing** - Regularly review permissions.

136. **Credential Handling** - Manage keys and passwords.

137. **IAM Strengthening** - Enhance security settings.

138. **Org-Wide Policies** - Set organization rules.

139. **Policy Adherence** - Follow best practices.

140. **Role Cleanup** - Remove unused roles.