**上海商業銀行股份有限公司**

**新核心系統INFRA**

**軟硬體設備建置專案服務**

**CI/CD OCP部署YAML模板**

IBM Confidential

台灣國際商業機器股份­­­­有限公司

CICD OCP 部署 YAML模板

腳本內需修改的項目，如下：

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自動產生的描述

**入住申請表-yaml config分頁**

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自動產生的描述

**入住申請表-Resource分頁**

**deployment.yaml**

1. apiVersion: apps/v1
2. kind: Deployment
3. metadata:
4. name: cmn-app **# 入住申請表-yaml config分頁Service Name**
5. labels:
6. app: cmn-app
7. app.kubernetes.io/part-of: com.ibm.ncbs
8. ncbs.mid.service: cmn-app
9. app.kubernetes.io/version: 1.0.0
10. provider: jkube
11. app.kubernetes.io/managed-by: jkube
12. version: 1.0.0
13. app.kubernetes.io/name: cmn-app
14. group: com.ibm.ncbs
15. spec:
16. strategy:
17. type: Recreate
18. replicas: 2  **#**  **入住申請表Resource分頁內Pod數量欄位**
19. revisionHistoryLimit: 2
20. selector:
21. matchLabels:
22. app: cmn-app
23. app.kubernetes.io/managed-by: jkube
24. app.kubernetes.io/name: cmn-app
25. app.kubernetes.io/part-of: com.ibm.ncbs
26. group: com.ibm.ncbs
27. provider: jkube
28. template:
29. metadata:
30. labels:
31. app: cmn-app
32. app.kubernetes.io/part-of: com.ibm.ncbs
33. ncbs.mid.service: cmn-app
34. app.kubernetes.io/version: 1.0.0
35. provider: jkube
36. app.kubernetes.io/managed-by: jkube
37. version: 1.0.0
38. app.kubernetes.io/name: cmn-app
39. group: com.ibm.ncbs
40. spec:
41. volumes:
42. - name: log-volume
43. emptyDir: {}
44. containers:
45. - name: cmn-app
46. image: cmn-app:1.0.0 **# 入住申請表-yaml config分頁Image name**
47. imagePullPolicy: Always
48. resources:
49. limits:
50. cpu: 4000m **# 入住申請表Resource分頁內單一Workload資源/Limit/CPU(m)欄位**
51. memory: 8000Mi **# 入住申請表Resource分頁內單一Workload資源/Limit/ Memory(mb)欄位**
52. requests:
53. cpu: 2000m **# 入住申請表Resource分頁內單一Workload資源/Request/CPU(m)欄位**
54. memory: 4000Mi **# 入住申請表Resource分頁內單一Workload資源/Request/ Memory(mb)欄位**
55. readinessProbe:
56. httpGet:
57. path: /api/cmn/actuator/health/readiness **# 入住申請表-yaml config分頁readinessProbe.path**
58. port: 8080
59. scheme: HTTP
60. initialDelaySeconds: 120
61. timeoutSeconds: 30
62. periodSeconds: 10
63. successThreshold: 1
64. failureThreshold: 3
65. livenessProbe:
66. httpGet:
67. path: /api/cmn/actuator/health/liveness **# 入住申請表-yaml config分頁livenessProbe.path**
68. port: 8080
69. scheme: HTTP
70. initialDelaySeconds: 120
71. timeoutSeconds: 30
72. periodSeconds: 10
73. successThreshold: 1
74. failureThreshold: 3
75. env:
76. - name: SPRING\_PROFILES\_ACTIVE
77. value: '{{SPRING\_PROFILE}}'
78. - name: JAVA\_OPTS
79. value: '-Xms256m -Xmx2g -XX:MetaspaceSize=128M -XX:MaxMetaspaceSize=256m'
80. - name: GC\_MAX\_METASPACE\_SIZE
81. value: '256'
82. - name: HOSTNAME
83. valueFrom:
84. fieldRef:
85. fieldPath: metadata.name
86. - name: RELEASE-VERSION
87. value: '{{RELEASE-VERSION}}'
88. - name: RELEASE-TAG
89. value: '{{RELEASE-TAG}}'
90. - name: RELEASE-TIMESTAMP
91. value: '{{RELEASE-TIMESTAMP}}'
92. - name: KUBERNETES\_NAMESPACE
93. valueFrom:
94. fieldRef:
95. apiVersion: v1
96. fieldPath: metadata.namespace
97. securityContext:
98. privileged: false
99. ports:
100. - name: http
101. containerPort: 8080
102. protocol: TCP
103. - name: prometheus
104. containerPort: 9779
105. protocol: TCP
106. - name: jolokia
107. containerPort: 8778
108. protocol: TCP
109. volumeMounts:
110. - name: log-volume
111. mountPath: /opt/logs
112. workingDir: /opt/logs
113. restartPolicy: Always

**imagestream.yaml**

1. apiVersion: image.openshift.io/v1
2. kind: ImageStream
3. metadata:
4. name: cmn-app **# 入住申請表-yaml config分頁Service Name**
5. labels:
6. app: cmn-app
7. app.kubernetes.io/managed-by: jkube
8. app.kubernetes.io/name: cmn-app
9. app.kubernetes.io/part-of: com.ibm.ncbs
10. app.kubernetes.io/version: 1.0.0
11. group: com.ibm.ncbs
12. provider: jkube
13. version: 1.0.0
14. spec:
15. lookupPolicy:
16. local: true
17. tags:
18. - name: 1.0.0 # image stream的tag
19. from:
20. kind: DockerImage
21. name: {{HARBOR\_SERVER}}/mid/cmn-app:latest **# 入住申請表-yaml config分頁DockerImage Name**
22. importPolicy:
23. insecure: true
24. scheduled: false
25. importMode: Legacy
26. referencePolicy:
27. type: Source

**route.yaml**

1. apiVersion: route.openshift.io/v1
2. kind: Route
3. metadata:
4. name: cmn-app **# 入住申請表-yaml config分頁Service Name**
5. labels:
6. app: cmn-app **# 入住申請表-yaml config分頁Service Name**
7. app.kubernetes.io/managed-by: jkube
8. app.kubernetes.io/name: cmn-app **# 入住申請表-yaml config分頁Service Name**
9. app.kubernetes.io/part-of: com.ibm.ncbs
10. app.kubernetes.io/version: 1.0.0
11. group: com.ibm.ncbs
12. provider: jkube
13. version: 1.0.0
14. spec:
15. to:
16. kind: Service
17. name: cmn-app **# 入住申請表-yaml config分頁Service Name**
18. weight: 100
19. port:
20. targetPort: 8080
21. tls:
22. termination: edge
23. insecureEdgeTerminationPolicy: Allow
24. wildcardPolicy: None

**service.yaml**

1. apiVersion: v1
2. kind: Service
3. metadata:
4. name: cmn-app **# 入住申請表-yaml config分頁Service Name**
5. labels:
6. app: cmn-app **# 入住申請表-yaml config分頁Service Name**
7. app.kubernetes.io/managed-by: jkube
8. app.kubernetes.io/name: cmn-app **# 入住申請表-yaml config分頁Service Name**
9. app.kubernetes.io/part-of: com.ibm.ncbs
10. app.kubernetes.io/version: 1.0.0
11. group: com.ibm.ncbs
12. provider: jkube
13. version: 1.0.0
14. spec:
15. selector:
16. app: cmn-app **# 入住申請表-yaml config分頁Service Name**
17. app.kubernetes.io/managed-by: jkube
18. app.kubernetes.io/name: cmn-app **# 入住申請表-yaml config分頁Service Name**
19. app.kubernetes.io/part-of: com.ibm.ncbs
20. group: com.ibm.ncbs
21. provider: jkube
22. ports:
23. - name: http
24. protocol: TCP
25. port: 8080
26. targetPort: 8080

**servicemonitor.yaml**

1. apiVersion: monitoring.coreos.com/v1
2. kind: ServiceMonitor
3. metadata:
4. name: cmn-app **# 入住申請表-yaml config分頁Service Name**
5. namespace: mid
6. labels:
7. release: prometheus
8. spec:
9. selector:
10. matchLabels:
11. app: cmn-app **# 入住申請表-yaml config分頁Service Name**
12. endpoints:
13. - port: http
14. interval: 30s
15. path: /api/cmn/actuator/prometheus **# 入住申請表-yaml config分頁endpoints path**
16. namespaceSelector:
17. matchNames:
18. - mid