CLI + OC + VI + YAML Cheat Sheet

CLI Commands

- pwd → show current directory
- ls → list files
- ls -la → detailed list (hidden files included)
- cd folder → enter folder
- cd .. → up one level
- cd ~ → home directory
- cd / → root (Linux/macOS)

OpenShift Login & Context

- oc login https://api.cluster:6443 → authenticate to cluster
- oc whoami → current user
- oc status → cluster & project overview
- oc project → show current project
- oc project my-project → switch project
- oc get projects → list accessible projects

OpenShift Core Resource Commands

- oc get pods → list pods
- oc get all → all major resources
- oc get svc → services
- oc get route → routes
- oc get deploy → deployments
- oc describe pod <pod> → detailed diagnostics
- oc logs <pod> | oc logs -f <pod> → logs
- oc exec -it <pod> -- /bin/sh → shell into pod

Files & Folders

- mkdir name → create folder
- rmdir name → remove empty folder
- touch file.txt → create empty file
- cp file1 file2 → copy file
- mv file1 file2 → move/rename
- rm file → delete file
- rm -rf folder → delete folder (use carefully)
- cat file.txt → print file

OpenShift Apply & Manage YAML

- oc apply -f file.yaml → create/update resource
- oc delete -f file.yaml → remove resource
- oc get svc mysvc -o yaml → view live YAML
- oc explain route.spec → schema help

OpenShift Troubleshooting & Ops

- oc get events --sort-by=.lastTimestamp → recent issues
- oc adm top pods → resource usage
- oc rollout status deploy/myapp → rollout progress
- oc rollout undo deploy/myapp → rollback

Windows tip: oc works natively in PowerShell and Git Bash. No Linux required.

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Cheat Sheet

Red Hat

VI / VIM Essentials (Editing YAML on Any System)

- Modes
- i → insert (edit)
- Esc → command mode
- Save / Exit
- :w → save
- :q → quit
- :wq → save & quit
- :q! → quit without saving
- Navigation
- h j k l → left / down / up / right
- 0 | $ → line start / end
- gg | G → top / bottom
- /<text> → search (n next)
- Editing
- dd → delete line
- yy → copy line
- p → paste
- u → undo
- Ctrl+r → redo
- YAML survival rule:
- ✅ Spaces only (no tabs)
- ✅ Consistent indentation (2 spaces)

YAML Fundamentals

Structure
key: value
parent:
  child: value

Lists
ports:
  - 80
  - 443

Comments
This is ignored

Multi-line
description: |
  Line one
  Line two

OpenShift Service Example
apiVersion: v1
kind: Service
metadata:
  name: hello-service
spec:
  selector:
    app: hello
  ports:
    - protocol: TCP
      port: 80
      targetPort: 8080