

DEVOPS ALIASES FOR FASTER WORKFLOW



DEVOPS ALIASES

- All the aliases
- A clear explanation of **why aliases are useful** in DevOps workflows

DevOps Aliases for Faster Workflow

Hi, I'm Shivam Vishwakarma

As a DevOps Engineer, time is everything. Repeating long terminal commands can slow down productivity. That's why I use aliases — simple shortcuts that map long or frequently used commands to short, memorable ones.

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Why Aliases Matter in DevOps

Speed Up Workflow: Saves time by shortening commonly used commands.

Reduce Typing Errors: Short, predefined commands reduce the chance of mistakes.

Improve Efficiency: Execute repetitive tasks faster with a single keyword.

Standardization: Shared aliases create consistency in team environments.

Less Cognitive Load: No need to remember long syntax every time.

Add these to your `~/.bashrc`, `~/.zshrc`, or `~/.profile`, then run `source ~/.bashrc` or `source ~/.zshrc` to apply.

"GREAT THINGS NEVER COME FROM COMFORT ZONES. STEP UP, TAKE RISKS, AND CREATE SOMETHING LEGENDARY!"

Kubernetes Aliases

```
alias k='kubectl'           # Short alias for kubectl
alias kgp='kubectl get pods' # View all running pods
alias kgs='kubectl get svc'  # List services
alias kgn='kubectl get nodes' # Show cluster nodes
alias kga='kubectl get all'   # Get all resources
alias kgd='kubectl get deployments' # List deployments
alias kctx='kubectl config use-context' # Switch Kubernetes context
alias kns='kubectl config set-context --current --namespace' # Set default namespace
alias kex='kubectl exec -it'  # Exec into a running pod
alias kl='kubectl logs'       # View logs
alias klf='kubectl logs -f'   # Follow live logs
alias kaf='kubectl apply -f'  # Apply a YAML file
alias kdf='kubectl delete -f' # Delete a resource from file
alias ktop='kubectl top pods' # View pod metrics
alias ktopn='kubectl top nodes' # View node metrics
```

Docker Aliases

```
alias d='docker'
alias dps='docker ps'           # List running containers
alias dpsa='docker ps -a'      # List all containers
alias dimg='docker images'     # List images
alias drn='docker rm'          # Remove container
alias drmi='docker rmi'        # Remove image
alias dex='docker exec -it'     # Exec into container
alias db='docker build -t'      # Build Docker image
alias dup='docker-compose up -d' # Start services
alias ddown='docker-compose down' # Stop services
```

Git Aliases

```
alias gst='git status'         # Show repo status
alias gpl='git pull'           # Pull changes
alias gps='git push'           # Push changes
alias gcm='git commit -m'      # Commit with message
alias gco='git checkout'       # Switch branch
alias gb='git branch'          # List branches
alias gaa='git add .'          # Add all files
alias glog='git log --oneline --graph --all' # Visual log history
```

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Helm Aliases

```
alias h='helm'
alias hi='helm install'           # Install a chart
alias hu='helm upgrade'          # Upgrade a release
alias hl='helm list'             # List releases
alias hls='helm ls --all-namespaces' # List in all namespaces
alias hdel='helm delete'         # Delete a release
alias hrepo='helm repo list'     # Show repo list
alias hrepoa='helm repo add'     # Add a repo
alias hrepou='helm repo update'  # Update repo index
```

Terraform Aliases

```
alias tf='terraform'
alias tfi='terraform init'       # Initialize configuration
alias tfp='terraform plan'      # Show execution plan
alias tfa='terraform apply'     # Apply changes
alias tfd='terraform destroy'   # Destroy infrastructure
alias tfv='terraform validate'  # Validate configuration
alias tffmt='terraform fmt'     # Format .tf files
```

Ansible Aliases

```
alias ans='ansible'
alias ap='ansible-playbook'     # Run playbook
alias av='ansible -m'          # Run ad-hoc module
alias ai='ansible-inventory --list -y' # View inventory
```

AWS CLI Aliases

```
alias awsls='aws s3 ls'         # List S3 buckets or contents
alias awscp='aws s3 cp'         # Copy files to/from S3
alias awsrn='aws s3 rm'         # Remove file from S3
alias awsec2='aws ec2 describe-instances' # List EC2 instances
alias awsiam='aws iam list-users' # List IAM users
alias awssg='aws ec2 describe-security-groups' # Show security groups
```

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Jenkins CLI Aliases

```
alias jcli='java -jar jenkins-cli.jar'
alias jjob='java -jar jenkins-cli.jar build'    # Trigger a build
alias jlog='java -jar jenkins-cli.jar console'  # View job output
```

Linux & Shell Utilities

```
alias cls='clear'           # Clear the screen
alias ll='ls -alF'         # Detailed list
alias la='ls -A'           # List hidden files
alias l='ls -CF'           # Column format
alias dfh='df -h'          # Disk usage (human-readable)
alias duh='du -sh'         # Folder size summary
alias topu='top -u $(whoami)' # Show top for current user
alias grep='grep --color=auto' # Highlight matches
```

How to Use These Aliases

1. Copy and paste your preferred aliases into your shell config file:
 - ~/.bashrc (for Bash)
 - ~/.zshrc (for Zsh)
2. Reload the file using:

```
source ~/.bashrc
# or
source ~/.zshrc
```

This will make all your DevOps tool interactions smoother, faster, and more reliable.

Thank you

Shivam vishwakarma

Follow me: <https://www.linkedin.com/in/shivamvishwakarm1/>

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