

OpenClaw Config Cheat Sheet

All openclaw config set commands at a glance

About the Author

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Must-Know Commands

```
Enable/Disable Control UI: openclaw config set gateway.controlUi.enabled true | false
Restart gateway:          sudo systemctl restart openclaw
Check status:             openclaw status
Enable elevated:          /elevated full (in chat)
```

1. Identity & Agent

```
openclaw config set agents.list[0].identity.name "Nova"
openclaw config set agents.list[0].identity.emoji "👉"
openclaw config set agents.list[0].identity.theme "helpful assistant"
openclaw config set agents.defaults.model.primary "anthropic/claude-sonnet-4-6"
openclaw config set agents.defaults.model.fallbacks '["minimax/MiniMax-M2.7"]'
openclaw config set agents.defaults.thinkingDefault "high"
openclaw config set agents.defaults.reasoningDefault "on"
openclaw config set agents.defaults.timeoutSeconds 600
openclaw config set agents.defaults.mediaMaxMb 5
openclaw config set agents.defaults.maxConcurrent 3
openclaw config set agents.defaults.userTimezone "Asia/Kolkata"
openclaw config set agents.defaults.timeFormat "auto"
openclaw config set agents.defaults.heartbeat.every "30m"
openclaw config set agents.defaults.heartbeat.target "last"
openclaw config set agents.defaults.workspace "~/openclaw/workspace"
```

2. WhatsApp

```
openclaw config set channels.whatsapp.enabled true
openclaw config set channels.whatsapp.dmPolicy "pairing|allowlist|open|disabled"
openclaw config set channels.whatsapp.allowFrom '["+91XXXXXXXXXX"]'
openclaw config set channels.whatsapp.groupPolicy "allowlist|open|disabled"
openclaw config set channels.whatsapp.groups."*".requireMention true
openclaw config set channels.whatsapp.mediaMaxMb 50
openclaw config set channels.whatsapp.sendReadReceipts true
```

3. Telegram

```
openclaw config set channels.telegram.enabled true
openclaw config set channels.telegram.botToken "BOT_TOKEN"
openclaw config set channels.telegram.dmPolicy "pairing|allowlist|open|disabled"
openclaw config set channels.telegram.allowFrom '["tg:123456789"]'
openclaw config set channels.telegram.groups."*".requireMention true
openclaw config set channels.telegram.historyLimit 50
openclaw config set channels.telegram.streaming "off|partial|block|progress"
openclaw config set channels.telegram.linkPreview true
```

4. Discord

```
openclaw config set channels.discord.enabled true
openclaw config set channels.discord.token "BOT_TOKEN"
openclaw config set channels.discord.dmPolicy "pairing|allowlist|open|disabled"
openclaw config set channels.discord.allowFrom '["123456789"]'
openclaw config set channels.discord.groupPolicy "open|allowlist|disabled"
openclaw config set channels.discord.dm.enabled true
openclaw config set channels.discord.historyLimit 20
openclaw config set channels.discord.streaming "off|partial|block|progress"
openclaw config set channels.discord.maxLinesPerMessage 17
openclaw config set channels.discord.ui.components.accentColor "#5865F2"
```

5. Slack

```
openclaw config set channels.slack.enabled true
openclaw config set channels.slack.botToken "xoxb-..."
openclaw config set channels.slack.appToken "xapp-..."
openclaw config set channels.slack.dmPolicy "pairing|allowlist|open|disabled"
openclaw config set channels.slack.dm.enabled true
openclaw config set channels.slack.slashCommand.enabled true
openclaw config set channels.slack.slashCommand.name "openclaw"
openclaw config set channels.slack.typingReaction "hourglass_flowing_sand"
openclaw config set channels.slack.historyLimit 50
```

6. Signal

```
openclaw config set channels.signal.enabled true
openclaw config set channels.signal.account "+15555550123"
openclaw config set channels.signal.dmPolicy "pairing|allowlist|open|disabled"
openclaw config set channels.signal.allowFrom '["+15551234567"]'
openclaw config set channels.signal.reactionNotifications "off|own|all|allowlist"
```

7. Google Chat

```
openclaw config set channels.googlechat.enabled true
openclaw config set channels.googlechat.serviceAccountFile "/path/to.json"
openclaw config set channels.googlechat.webhookPath "/googlechat"
openclaw config set channels.googlechat.dm.policy "pairing|allowlist|open|disabled"
```

8. IRC

```
openclaw config set channels.irc.enabled true
openclaw config set channels.irc.dmPolicy "pairing|allowlist|open|disabled"
openclaw config set channels.irc.nickserv.enabled true
openclaw config set channels.irc.nickserv.password "${IRC_NICKSERV_PASSWORD}"
```

9. iMessage

```
openclaw config set channels.imessage.enabled true
openclaw config set channels.imessage.cliPath "img"
openclaw config set channels.imessage.dmPolicy "pairing|allowlist|open|disabled"
openclaw config set channels.imessage.allowFrom '["+15555550123"]'
openclaw config set channels.imessage.historyLimit 50
openclaw config set channels.imessage.includeAttachments false
```

10. Gateway & Networking

```
openclaw config set gateway.controlUi.enabled true|false
openclaw config set gateway.controlUi.basePath "/openclaw"
openclaw config set gateway.controlUi.allowedOrigins '["https://domain.com"]'
openclaw config set gateway.port 18789
openclaw config set gateway.bind "loopback|lan|tailnet|auto|custom"
openclaw config set gateway.auth.mode "none|token|password|trusted-proxy"
openclaw config set gateway.auth.token "your-token"
openclaw config set gateway.auth.password "your-password"
openclaw config set gateway.auth.allowTailscale true|false
openclaw config set gateway.auth.rateLimit.maxAttempts 10
openclaw config set gateway.auth.rateLimit.windowMs 60000
openclaw config set gateway.tailscale.mode "off|serve|funnel"
openclaw config set gateway.trustedProxies '["10.0.0.1"]'
openclaw config set gateway.allowRealIpFallback false
openclaw config set gateway.channelHealthCheckMinutes 5
openclaw config set gateway.channelStaleEventThresholdMinutes 30
openclaw config set gateway.channelMaxRestartsPerHour 10
```

11. Security & Access

```
openclaw config set tools.elevated.enabled true
openclaw config set tools.elevated.allowFrom.whatsapp '[ "+15555550123" ]'
openclaw config set tools.elevated.allowFrom.telegram '[ "123456789" ]'
openclaw config set tools.elevated.allowFrom.discord '[ "123456789012345678" ]'
openclaw config set tools.elevated.allowFrom.webchat '[ "session:name" ]'
openclaw config set tools.profile "minimal|coding|messaging|full"
openclaw config set tools.deny '[ "browser", "canvas" ]'
openclaw config set tools.allow '[ "exec", "process", "read", "write" ]'
openclaw config set tools.exec.backgroundMs 10000
openclaw config set tools.exec.timeoutSec 1800
openclaw config set tools.exec.cleanupMs 1800000
openclaw config set tools.loopDetection.enabled true|false
openclaw config set tools.loopDetection.warningThreshold 10
openclaw config set tools.loopDetection.criticalThreshold 20
openclaw config set tools.sessions.visibility "self|tree|agent|all"
openclaw config set tools.agentToAgent.enabled false
```

12. Messages & Formatting

```
openclaw config set messages.responsePrefix ""
openclaw config set messages.ackReaction ""
openclaw config set messages.ackReactionScope "group-mentions|group-all|direct|all"
openclaw config set messages.removeAckAfterReply false
openclaw config set messages.queue.mode "steer|followup|collect|steer-backlog|queue|interrupt"
openclaw config set messages.queue.debounceMs 1000
openclaw config set messages.queue.cap 20
openclaw config set messages.queue.drop "old|new|summarize"
openclaw config set messages.inbound.debounceMs 2000
openclaw config set messages.groupChat.historyLimit 50
```

13. Session Management

```
openclaw config set session.scope "per-sender"
openclaw config set session.dmScope "main|per-peer|per-channel-peer|per-account-channel-peer"
openclaw config set session.reset.mode "daily|idle"
openclaw config set session.reset.atHour 4
openclaw config set session.reset.idleMinutes 60
openclaw config set session.resetTriggers '[ "/new", "/reset" ]'
openclaw config set session.store "~/openclaw/agents/{agentId}/sessions/sessions.json"
openclaw config set session.maintenance.mode "warn|enforce"
openclaw config set session.maintenance.pruneAfter "30d"
openclaw config set session.maintenance.maxEntries 500
openclaw config set session.maintenance.maxDiskBytes "500mb"
openclaw config set session.threadBindings.enabled true
openclaw config set session.threadBindings.idleHours 24
openclaw config set session.threadBindings.maxAgeHours 0
openclaw config set session.sendPolicy.default "allow|deny"
```

14. Agent Runtime

```
openclaw config set agents.defaults.thinkingDefault "high|xhigh|medium|low|minimal|off|adaptive"
openclaw config set agents.defaults.reasoningDefault "on|off|stream"
openclaw config set agents.defaults.fastModeDefault false|true
openclaw config set agents.defaults.timeoutSeconds 600
openclaw config set agents.defaults.mediaMaxMb 5
openclaw config set agents.defaults.contextTokens 200000
openclaw config set agents.defaults.maxConcurrent 3
openclaw config set agents.defaults.model.primary "provider/model"
openclaw config set agents.defaults.model.fallbacks '["model1", "model2"]'
openclaw config set agents.defaults.imageModel.primary "provider/model"
openclaw config set agents.defaults.pdfModel.primary "provider/model"
openclaw config set agents.defaults.imageMaxDimensionPx 1200
openclaw config set agents.defaults.contextPruning.mode "off|cache-ttl"
openclaw config set agents.defaults.contextPruning.ttl "1h"
openclaw config set agents.defaults.contextPruning.keepLastAssistants 3
openclaw config set agents.defaults.compaction.mode "default|safeguard"
openclaw config set agents.defaults.compaction.timeoutSeconds 900
openclaw config set agents.defaults.compaction.memoryFlush.enabled true
```

15. Sandboxing

```
openclaw config set agents.defaults.sandbox.mode "off|non-main|all"
openclaw config set agents.defaults.sandbox.backend "docker|ssh|openshell"
openclaw config set agents.defaults.sandbox.scope "session|agent|shared"
openclaw config set agents.defaults.sandbox.workspaceAccess "none|ro|rw"
openclaw config set agents.defaults.sandbox.workspaceRoot "~/openclaw/sandboxes"
openclaw config set agents.defaults.sandbox.docker.image "openclaw-sandbox:bookworm-slim"
openclaw config set agents.defaults.sandbox.docker.memory "1g"
openclaw config set agents.defaults.sandbox.docker.cpus 1
openclaw config set agents.defaults.sandbox.docker.network "none|bridge"
openclaw config set agents.defaults.sandbox.browser.enabled false
openclaw config set agents.defaults.sandbox.prune.idleHours 24
openclaw config set agents.defaults.sandbox.prune.maxAgeDays 7
```

16. Tools Configuration

```
openclaw config set tools.web.search.enabled true
openclaw config set tools.web.search.apiKey "BRAVE_API_KEY"
openclaw config set tools.web.search.maxResults 5
openclaw config set tools.web.search.timeoutSeconds 30
openclaw config set tools.web.fetch.enabled true
openclaw config set tools.web.fetch.maxChars 50000
openclaw config set tools.web.fetch.timeoutSeconds 30
openclaw config set tools.media.audio.enabled true
openclaw config set tools.media.audio.maxBytes 20971520
openclaw config set tools.media.video.enabled true
openclaw config set tools.media.video.maxBytes 52428800
openclaw config set tools.media.concurrency 2
```

17. Browser

```
openclaw config set browser.enabled true|false
openclaw config set browser.evaluateEnabled true|false
openclaw config set browser.defaultProfile "user|openclaw|work"
openclaw config set browser.ssrfPolicy.dangerouslyAllowPrivateNetwork true|false
openclaw config set browser.extraArgs '["--disable-gpu"]'
openclaw config set browser.headless false|true
openclaw config set browser.noSandbox false|true
openclaw config set browser.color "#FF4500"
```

18. Skills & Plugins

```
openclaw config set skills.allowBundled '["gemini", "peekaboo"]'  
openclaw config set skills.load.extraDirs '["~/path/to/skills"]'  
openclaw config set skills.install.nodeManager "npm|pnpm|yarn"  
openclaw config set skills.install.preferBrew true  
openclaw config set skills.entries.skill-name.enabled true|false  
openclaw config set plugins.enabled true|false  
openclaw config set plugins.allow '["voice-call"]'  
openclaw config set plugins.load.paths '["~/path/to/plugins"]'  
openclaw config set plugins.slots.memory "memory-core|none"
```

19. Cron Jobs

```
openclaw config set cron.enabled true  
openclaw config set cron.maxConcurrentRuns 2  
openclaw config set cron.sessionRetention "24h|false"  
openclaw config set cron.webhookToken "token"  
openclaw config set cron.runLog.maxBytes "2mb"  
openclaw config set cron.runLog.keepLines 2000
```

20. Logging

```
openclaw config set logging.level "debug|info|warn|error"  
openclaw config set logging.file "/path/to/log"  
openclaw config set logging.consoleLevel "debug|info|warn|error"  
openclaw config set logging.consoleStyle "pretty|compact|json"  
openclaw config set logging.redactSensitive "off|tools"
```

21. TTS

```
openclaw config set messages.tts.auto "off|always|inbound|tagged"  
openclaw config set messages.tts.mode "final|all"  
openclaw config set messages.tts.provider "elevenlabs|openai"  
openclaw config set messages.tts.elevenlabs.apiKey "KEY"  
openclaw config set messages.tts.elevenlabs.voiceId "voice_id"  
openclaw config set messages.tts.openai.voice "alloy|echo|..."  
openclaw config set messages.tts.maxTextLength 4000  
openclaw config set messages.tts.timeoutMs 30000  
openclaw config set messages.tts.summaryModel "openai/gpt-4.1-mini"
```

22. Talk Mode

```
openclaw config set talk.voiceId "elevenlabs_voice_id"  
openclaw config set talk.modelId "eleven_v3"  
openclaw config set talk.outputFormat "mp3_44100_128"  
openclaw config set talk.apiKey "KEY"  
openclaw config set talk.silenceTimeoutMs 1500  
openclaw config set talk.interruptOnSpeech true|false
```

23. Discovery

```
openclaw config set discovery.mdns.mode "off|minimal|full"  
openclaw config set discovery.wideArea.enabled true|false
```

24. Canvas

```
openclaw config set canvasHost.root "~/path/to/canvas"  
openclaw config set canvasHost.liveReload true|false  
openclaw config set canvasHost.enabled true|false
```

25. Memory & Compaction

```
openclaw config set agents.defaults.memorySearch.enabled true
openclaw config set agents.defaults.memorySearch.provider "openai|gemini"
openclaw config set agents.defaults.memorySearch.model "text-embedding-3-large"
openclaw config set agents.defaults.compaction.mode "default|safeguard"
openclaw config set agents.defaults.compaction.memoryFlush.enabled true
```

26. Block Streaming & Human Delay

```
openclaw config set agents.defaults.blockStreamingDefault "on|off"
openclaw config set agents.defaults.blockStreamingBreak "text_end|message_end"
openclaw config set agents.defaults.blockStreamingChunk.minChars 800
openclaw config set agents.defaults.blockStreamingChunk.maxChars 1200
openclaw config set agents.defaults.humanDelay.mode "off|natural|custom"
openclaw config set agents.defaults.typingMode "never|instant|thinking|message"
openclaw config set agents.defaults.typingIntervalSeconds 6
```

27. Commands

```
openclaw config set commands.native "auto|true|false"
openclaw config set commands.text true|false
openclaw config set commands.bash true|false
openclaw config set commands.config true|false
openclaw config set commands.restart true|false
openclaw config set commands.debug true|false
openclaw config set commands.bashForegroundMs 2000
```

28. Subagents

```
openclaw config set agents.defaults.subagents.model "model"
openclaw config set agents.defaults.subagents.maxConcurrent 1
openclaw config set agents.defaults.subagents.runTimeoutSeconds 900
openclaw config set agents.defaults.subagents.archiveAfterMinutes 60
```

29. Channel Model Overrides

```
openclaw config set channels.modelByChannel.discord '{"123456": "anthropic/claude-opus-4-6"}'
openclaw config set channels.modelByChannel.telegram '{"-100123": "openai/gpt-4.1-mini"}'
openclaw config set channels.modelByChannel.slack '{"C123": "openai/gpt-4.1"}'
```

30. Channel Defaults

```
openclaw config set channels.defaults.groupPolicy "allowlist|open|disabled"
openclaw config set channels.defaults.heartbeat.showOk true|false
openclaw config set channels.defaults.heartbeat.showAlerts true|false
openclaw config set channels.defaults.heartbeat.useIndicator true|false
```

31. Auth Profiles

```
openclaw config set models.mode "merge|replace"
openclaw config set auth.profiles '{"provider:id": {"provider": "...", "mode": "...'}}'
openclaw config set auth.order '{"anthropic": ["id1", "id2"]}'
```

32. Env & Secrets

```
openclaw config set env.OPENROUTER_API_KEY "sk-or-..."
openclaw config set env.vars.VAR_NAME "value"
openclaw config set env.shellEnv.enabled true
openclaw config set env.shellEnv.timeoutMs 15000
```

33. CLI Settings

```
openclaw config set cli.banner.taglineMode "random|default|off"
```

34. Node Settings

```
openclaw config set gateway.nodes.denyCommands '["camera.snap", "screen.record"]'
```

35. Webhooks

```
openclaw config set hooks.enabled true
openclaw config set hooks.token "shared-secret"
openclaw config set hooks.path "/hooks"
openclaw config set hooks.maxBodyBytes 262144
openclaw config set hooks.allowRequestSessionKey true|false
openclaw config set hooks.allowedAgentIds '["hooks", "main"]'
openclaw config set hooks.allowedSessionKeyPrefixes '["hook:"]'
```

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