



Cron expression cheat sheet

crontabsheet.com · the one-page reference

Anatomy

* * * * *

Minute 0-59 Hour 0-23 Day 1-31 Month 1-12 Weekday 0-6

EVERY N MINUTES

* * * * * every minute
*/5 * * * * every 5 minutes
*/15 * * * * every 15 minutes
*/30 * * * * every 30 minutes
30 * * * * at :30 every hour
45 * * * * at :45 every hour

EVERY N HOURS

0 * * * * every hour, at :00
0 */2 * * * * every 2 hours
0 */6 * * * * every 6 hours
0 */12 * * * * twice daily (00, 12)

DAILY TIMES

0 0 * * * * midnight every day
0 9 * * * * 9 AM daily
0 12 * * * * noon daily
30 4 * * * * 4:30 AM daily
0 6,18 * * * * 6 AM and 6 PM daily
0 23 * * * * 11 PM daily

WEEKDAYS

0 0 * * 0 every Sunday at midnight
0 0 * * 1 every Monday at midnight
0 0 * * 6 every Saturday at midnight
0 9 * * 1-5 9 AM Mon-Fri
0 0 * * 0,6 weekends only
0 0 * * MON-FRI named weekdays
*/30 9-17 * * 1-5 every 30m biz hours

MONTHLY

0 0 1 * * 1st of month, midnight
0 0 15 * * 15th of every month
0 0 1,15 * * 1st and 15th
0 0 1-7 * 1 1st Monday (approx)
0 0 */5 * * every 5 days

YEARLY & SEASONAL

0 0 1 1 * Jan 1 (yearly)
0 0 1 */3 * quarterly (1st of Q)
0 0 1 1,7 * semi-annual
0 0 25 12 * Christmas day
0 0 1 JAN, JUN * named months

OPERATORS

* any value (wildcard)
, list: 1,3,5
- range: 1-5
/ step: */15 = every 15
N-M/S step in range: 10-40/15
JAN-DEC named months
SUN-SAT named days

MACROS (UNIX)

@yearly 0 0 1 1 *
@monthly 0 0 1 * *
@weekly 0 0 * * 0
@daily 0 0 * * *
@hourly 0 * * * *
@reboot at startup

QUARTZ (AWS, SPRING)

? no specific value
L last day of month
LW last weekday
15W weekday near 15th
2#2 2nd Monday
6L last Friday

⚠ Common gotchas

- Day-of-month and day-of-week use OR logic: "0 0 15 * 1" fires on the 15th OR every Monday, not both.
- Standard cron has no "every N weeks" — "*/2" in the day-of-week field does NOT mean biweekly.
- AWS EventBridge requires 6 fields (year at the end) and "?" in either day-of-month or day-of-week.
- GitHub Actions schedules run in UTC and may be delayed during high load; 5-minute granularity minimum.
- Kubernetes CronJob honors timeZone field (v1.27+); older versions use the kube-controller's TZ.