khal Terminal calendar

START HERE

`khal list`
Today's events

`khal new tomorrow 9:00 10:00 <title>`
Pick start and end

`khal list today 7d`
Next week

`khal search <text>`
Find events

`khal calendar`
Month overview

`khal edit <text>`
Change or delete

`khal new 18:00 <title>`
Add an event today

`ikhal`
Interactive TUI

Server CalDAV / Google → `vdirsyncer sync` → **Local vdir** .ics files → `reads and writes` → **khal** CLI and ikhal

CONCEPTS

khal only reads and writes local calendar files (vdir). Syncing with a server is done by a separate tool such as vdirsyncer.

Date and time formats come from the config file; run khal printformats to see what your setup accepts.

Running khal with no subcommand does nothing useful; always give a command.

VIEWING

`khal list`
Events of today

`khal list <start> <end>`
Events in a date range

`khal list today <n>d`
Next n days (m, h, d work)

`khal list today week`
The week containing the start

`khal calendar`
Three months with events

`khal at`
Events happening now

`khal at <time>`
Events at a given time

`khal list --once`
Show multi-day events only once

`khal list --notstarted`
Only events not yet begun

`khal search <text>`
Search events by text

`khal printcalendars`
List configured calendars

CREATING

`khal new <start> <title>`
Add an event (default 1 hour)
A start time alone means today. An end earlier than the start rolls to the next day.

`khal new <start> <end> <title>`
Add with explicit end

`khal new <start> <delta> <title>`
Add with a duration

`khal new <date> <title>`
Add an all-day event

CREATING (cont.)

`khal new <start> <title> :: <notes>`
Add with a description

`khal new <start> <tz> <title>`
Set the time zone
Use an Olson name such as Europe/Berlin; default is defaulttimezone from the config.

`new -a <calendar>`
Target calendar (once only)

`new -l <place>`
Location
In new, -l is --location; elsewhere it is --logfile.

`new -g <cat,cat>`
Categories

`new -r <rule>`
Repeat: daily, weekly, monthly, yearly
In new, -r is --repeat; in import it is --random-uid.

`new -u <date>`
Repeat until a date

`new --alarms <delta,...>`
Alarms, e.g. 1d,10m

`new --url <url>`
Attach a URL

`khal new -i`
Prompt for each field

EDITING AND IMPORT

`khal edit <text>`
Step through matches: change or delete

`khal edit --show-past <text>`
Include past events

`khal import <file.ics>`
Import events from an .ics file

`khal import --batch <file.ics>`
Overwrite same UIDs without asking

`khal import -r <file.ics>`
Give imported events new UIDs

`khal configure`
Create an initial config
Refuses to run if a config already exists.

`khal printformats`
Show a test date in each format

OUTPUT AND OPTIONS

`-a <calendar>`
Only this calendar (repeatable)

`-d <calendar>`
Exclude a calendar
Not supported by new.

`--format "<template>"`
Custom line template

`--day-format "<template>"`
Day heading template; empty hides it

`--json <field>`
Output JSON with chosen fields

`--json all`
JSON with every field

`--color / --no-color`
Force or remove colour

`-c <file>`
Use another config file

`-v <level>`
Log level, e.g. DEBUG

Common format fields

Field	Meaning
`{title}`	Event title
`{start-time}`	Start time
`{end-time}`	End time
`{location}`	Location
`{calendar}`	Calendar name
`{description}`	Description
`{uid}`	Unique ID
`{nl}`	Newline

DATES

Date words

Input	Means
`today`	This day
`tomorrow`	Next day
`fri`	Next Friday
`monday`	Next Monday
`25.10.`	Date without year: future
`18:00`	Time today
`30m / 2h / 3d`	Duration (list and new)

Naming today's own weekday gives the one seven days from now. Dates without a year are always read as future.

IKHAL: CALENDAR

`ikhal`
Start the interactive UI

Arrows Move between days

Tab / **Enter**
Focus the event list

IKHAL: CALENDAR (cont.)

T Jump to today

N
New event on the day or range

V Select a date range

O
Jump to the other end of the range

/ Search events

Esc
Cancel or go back; quits at the top

IKHAL: EVENTS

Enter
View event details; again to edit

D
Mark for deletion (applied on exit)

P Duplicate event

E Export event

Shift + **Tab**
Previous field in editor (Tab: next)

Alt + **Enter**
Save from anywhere in the editor
Documented as meta+Enter; meta is usually Alt.

Ctrl + **A** / **Ctrl** + **X**
Increment / decrement a date or time field
In text fields Ctrl+A moves to the line start.

Ctrl + **W** Delete word back

Ctrl + **U** Delete to line start

RECIPES

Daily agenda in a script

```
khal list --format "{start-time} {title}" --day-format ""
today eod
```

Weekly meeting with alarm

```
khal new -a work -r weekly --alarms 10m \
  mon 10:00 11:00 Standup :: Team sync
```

Import and check an invite

```
khal import -a personal invite.ics
khal list <date>
```

Sync then view

```
vdirsyncer sync
khal list today 3d
```