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
```