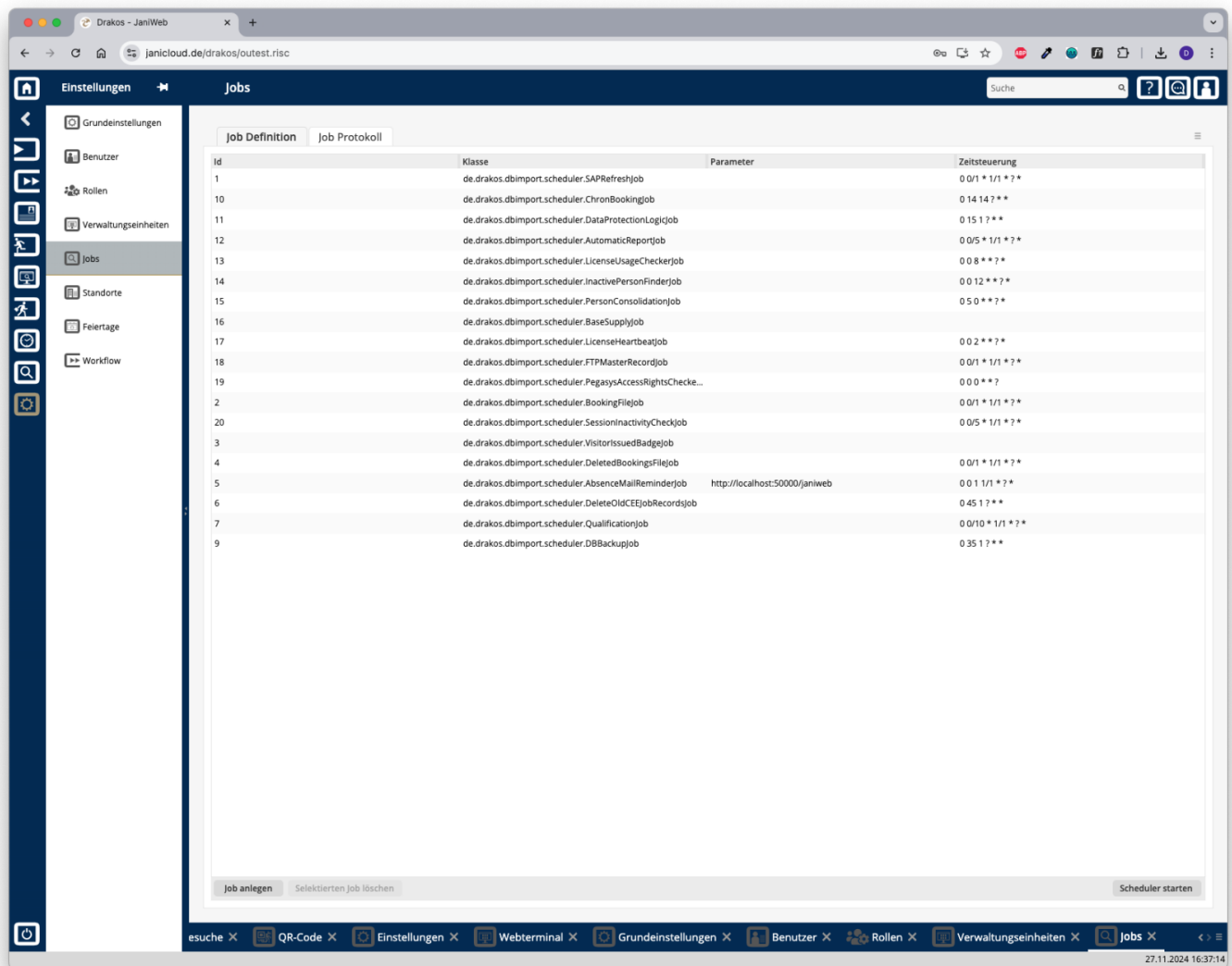


# Jobs

The menu item *Jobs* allows you to manage the actions (cron jobs) that JaniWeb automatically executes in the background at certain intervals.



## Tab *Definition*

The list contains all the jobs that have already been created. Double-click on an entry to change the definition of the job.

## Button *New Job*

Press *New Job* to create a new job. Enter the function to be called in the field *Class*. Enter when the task is to be executed in the field *Timing*. For details, see the section *Time format* below.

## Button *Start Scheduler*

After you have changed an existing job or created a new one, you must restart the scheduler. To do this, press *Start Scheduler*.

## Tab *Protocol*

Here you can display a list of the jobs that have been executed.

1. Enter a start time.
2. (Optional) Enter an end time (*To*).
3. (Optional) Select a status to narrow the list.
4. Press *Show executed jobs*.

## Overview of the jobs

Job	Description
de.drakos.dbimport.scheduler.SAPRefreshJob	Import master data
de.drakos.dbimport.schedulerAutomaticReportJob	Send automated reports
de.drakos.dbimport.scheduler.LicenseUsageCheckerJob	Check license usage
de.drakos.dbimport.scheduler.InactivePersonFinderJob	Check inactive personnel records
de.drakos.dbimport.scheduler.PersonConsolidationJob	Consolidate personnel master data import
de.drakos.dbimport.scheduler.BaseSupplyJob	Master data calculation for basic supply
de.drakos.dbimport.scheduler.LicenseHeartbeatJob	Heartbeat for pay-per-use license
de.drakos.dbimport.scheduler.FTPMasterRecordJob	Dormakaba master data distribution
de.drakos.dbimport.scheduler.PegasysAccessRightsCheckerJob	Check Pegasys authorizations

de.drakos.dbimport.scheduler.BookingFileJob	Export booking data
de.drakos.dbimport.scheduler.SessionInactivityCheckJob	Check session
de.drakos.dbimport.scheduler.DeletedBookingsFileJob	Export deleted bookings
de.drakos.dbimport.scheduler.AbsenceMailReminderJob	Reminder of absences in workflow
de.drakos.dbimport.scheduler.DeleteOldCEEJobRecordsJob	Cleanup CCEEJobExecutionProtocol
de.drakos.dbimport.scheduler.QualificationJob	Check permissions based on qualifications
de.drakos.dbimport.scheduler.DBBackupJob	Backup database
de.drakos.dbimport.scheduler.ChronBookingJob	Archive booking data
de.drakos.dbimport.scheduler.NEDAPBookingsJob	NEDAP bookings
de.drakos.dbimport.scheduler.DataProtectionLogicJob	Data protection audit

# Time format

JaniWeb uses the Quartz Cron syntax to define complex job timings. This extended version of the classic Cron syntax consists of six or seven fields:

## Quartz Cron syntax structure

S M H DoM MoY DoW [Y]

1. **Second (S):** 0-59
2. **Minute (M):** 0-59
3. **Hour (H):** 0-23
4. **Day of month (DoM):** 1-31
5. **Month of year (MoY):** 1-12 or abbreviations like JAN, FEB
6. **Day of week (DoW):** 1-7 (or SUN, MON, ...)
7. **Year (Y)** (optional): 1970-2099

## Special characters

- \*: Any value
- ,: List of values (e.g. MON,WED,FRI)
- -: Area (e.g. 1-5)
- /: Increment (e.g. 0/5 for all 5 units)

- **?**: Any value, which is ignored in fields of conflict (only for **DoM** and **DoW**).

## Examples

### 1. Every day at midnight:

```
0 0 0 * * ?
```

### 2. Every Monday at 9:00 a.m.:

```
0 0 9 ? * MON
```

### 3. Every 5 minutes:

```
0 0/5 * * * ?
```

### 4. On the first day of each month at 12:30 p.m.:

```
0 30 12 1 * ?
```

## Important differences to the classic Cron format

- The field **second** is additionally available.
- **?** replaces **\*** in fields with conflicts between **DoM** and **DoW**.
- Supports more detailed timings by combining steps and lists.

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