

# Training module design

How to implement a training module for Odoo, and how all related modules will interact.

See the [module dependency diagram](#).

## event\_product

- Purpose.
  - Allow to sell events as a whole as products, not only tickets for them (that is what *event\_sale* does).
- Examples.
  - You have this catalog of events, with variants:
    - Wedding.
      - Variants:
        - Until 50 attendees.
        - Until 100 attendees.
        - In beach.
        - In countryfield.
    - Congress.
      - Variants:
        - Until 50 attendees.
        - Until 100 attendees.
    - Opening.
      - Variants:
        - 1 day.
        - 2 days.
        - 3 days.
- Implementation. <https://github.com/OCA/event/pull/21>
  - **Depends on *event\_sale* and *product*.**
  - *product.template*:
    - Add boolean *is\_event*.
      - Allows to have a catalog of events.
      - Allows to sell events as a whole, not only by tickets.
      - Most useful for event organizing companies.
    - Disables field *event\_ok* when *is\_event* == *True*.
      - Maybe relabel it, to avoid confusions.
    - Reuse *event\_type\_id* from *event\_sale* for event products too.
  - *event.event*:
    - Add Many2one *product*.
      - Points to *product.product*, where *is\_event* == *True*.
      - Product type must match event type if set.
- Ideas for future versions:

- Try to make it depend on “event” instead of “event\_sale”

## event\_product\_logistics

- Purpose.
  - Allow to specify products that should be delivered to all event attendees.
- Examples.
  - You have this catalog of events, with these products that you want to deliver to their attendees:
    - Wedding.
      - Present.
    - Congress.
      - Present.
    - Opening.
      - Leaflet.
      - Pen.
- Implementation. <https://github.com/OCA/event/pull/23>
  - **Depends on event\_product.**
  - *product.template*:
    - Add One2many *delivered\_product\_ids*:
      - Products that should be delivered to attendees to that event.
  - *event.event*:
    - Add One2many *delivered\_product\_ids*:
      - Products that should be delivered to attendees to that event.
      - Autofilled from *product\_id*.
    - Events linked to a Product with the "is\_event" flag will have a new tab to set up the products to deliver.
  - *event.registration*:
    - Add boolean *products\_delivered*.
    - Add product delivery receipt report.
- Ideas for future versions:
  - Product delivery tracking.

## event\_training

- Purpose.
  - Extend *event* with things needed for managing training sessions.
    - Print diploma/certificate for attendees.
    - Grade.
    - Courses.
      - Types.
    - Duration.
      - Types.
- Implementation.
  - **Depends on event\_product.**

- *event.type*:
  - Add boolean *is\_training*.
- *product.template*:
  - Add boolean *is\_training*.
    - References *event\_type\_id.is\_training*.
- *event.event*:
  - Add boolean *is\_training*.
    - References *event\_type\_id.is\_training*.
- *product.template*:
  - Add boolean *is\_training*.
    - References *event\_type\_id.is\_training*.
    - If True:
      - This product is a *course*.
      - HTML field *contents*.
        - Customize back side of diploma/certificate.
        - Has built-in template generator.
      - Float *grade\_min*.
      - Float *grade\_pass*.
      - Float *grade\_max*.
- *event.registration*:
  - Float *grade*.
  - Computed bool *passing*.
    - Depends on *grade* and *product.grade\_pass* fields.
  - New reports:
    - Diploma / Certificate.
    - Delivery receipt for diploma / certificate.
- *res.partner*:
  - New reports:
    - Training attendance certificate.
      - For contacts:
        - In which courses did you participate?
      - For companies:
        - Which of your contacts participated in which courses?

## event\_training\_track

- Purpose:
  - Define expected duration types per training event type. Example:
    - *Online* training expects *online* hours.
    - *Onsite* training expects *onsite* hours.
    - *Mixed* training expects *online* and *onsite* hours.
  - Define expected amount of hours per type per event.
    - And ability to check if they are fulfilled properly.
  - Extend tracks with training type, when they belong to a training event.

- Know which attendees attended each track, if attendance monitoring is needed.
- Implementation:
  - **Depends on *event\_training*, *website\_event\_track*.**
  - *event.training.duration.type*:
    - Defines a type of training hours (on-site, online...)
    - name: char
    - monitor\_attendance: bool
      - Does this duration type use attendance monitoring?
    - Can be extended by localizations to add attributes relevant for official reporting.
  - *event.training.duration*:
    - Defines an expected amount of hours for a given course.
    - duration: float.
    - type\_id: m2o *event\_training.duration.type*.
    - product\_id: m2o *product.template*.
  - *event.type*:
    - expected\_duration\_type\_ids: m2m *event.training.duration.type*.
      - What type of hours are expected in this type of training.
  - *event.registration*:
    - attended\_track\_ids: m2m *event.track*.
  - *event.track*:
    - *duration\_type\_id*: m2o *event.training.duration.type*.
    - *monitor\_attendance*: bool.  
related=*event.training.duration.type.monitor\_attendance*.
    - *registration\_ids*: m2m *event.registration*.
  - *product.template*:
    - One2many *duration\_ids* (new *training.duration* model).
      - Autofilled from *event\_type\_id.expected\_duration\_type\_ids*.
      - Defines the amount of hours of each type expected for these events.
  - Wizards:
    - *event.training.duration.summary*:
      - Allows to compare between duration expectation and actual duration per type for current event.

## event\_training\_track\_generate

- Purpose:
  - Generate tracks automatically for a training event.
- Implementation:
  - **Depends on *event\_training\_track*, *event\_track\_generate*.**
  - Wizards:
    - *event.track.generator*:
      - Allow to select a training duration type for generated tracks.

- Allow to stop generator when reaching expected duration for that type.

## l10n\_es\_event\_training

- Purpose:
  - Adapt standard training to Spanish needs.
- Implementation:
  - **TODO.**