# 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](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.