Elettra Sincrotrone Trieste

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Registration in Indico, connecting external registration systems

Payments at FEL22 and IPAC23

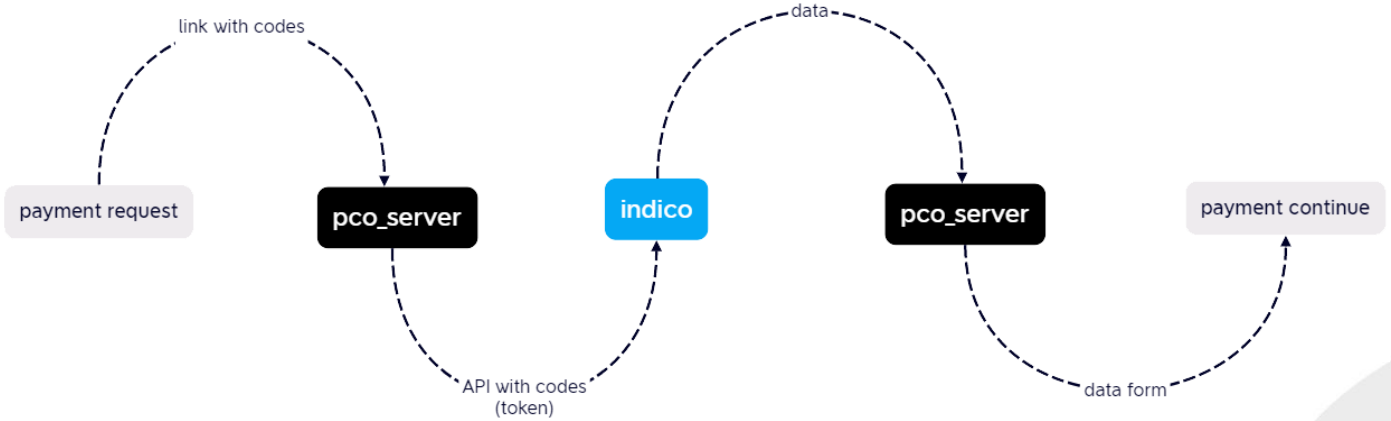
- For these two conferences the PCO requested to use its own registration and payment system (pco_server)
- To have consistency between the data in Indico and the pco_server we used a set of codes (codes) to identify the user and the registration on both systems.
- The procedure allowed the registration system to have some user data already entered into Indico.

Payment process

- The payment page on Indico send the user to pco_server by a link.
- The first time the user connects to pco_server it requests the Indico registration data and presents them to the user in the registration form.

  `/api/events/event_id/registrants/registrant_id [GET]`

- The rest of the registration and payment is handled by pco_server



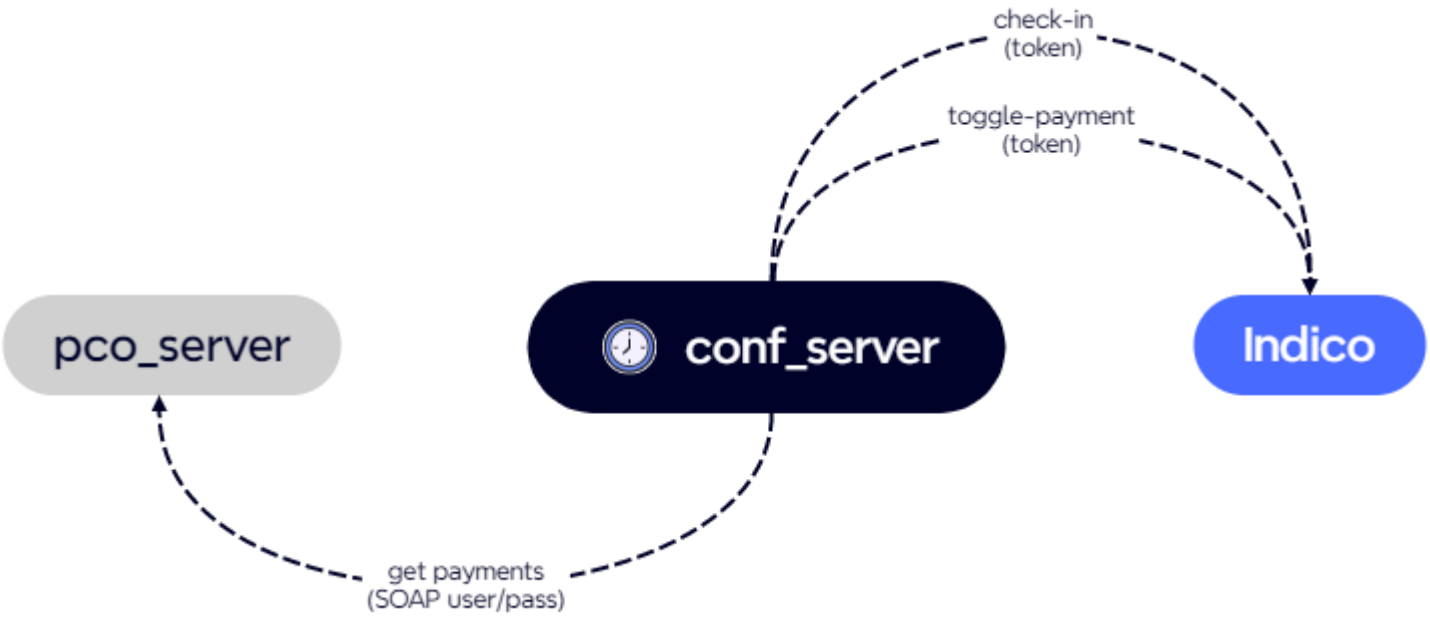
Verify payments

- On the conf_server a timed automatic procedure downloads the list of payments from pco_server
- If there are new payments, record the data on Indico

`/event/event_id/manage/registration/registration_form_id/registrations/registration_db_id/toggle-payment [POST]`

- In the data returned by pco_server there was also information whether the participant was present at the event, so the same script was used to record the data on Indico

`/event/event_id/manage/registration/registration_form_id/registrations/registration_db_id/check-in [PUT]`


check-in
(token)
toggle-payment
(token)
pco_server
conf_server
Indico
get payments
(SOAP user/pass)

Indico configuration

- The plugin **Bank Transfer** was used to manage the payment
- Payment details:
  Registration is not completed yet. Click [here] to select and purchase your registration fee and related services for IPAC'23.
- [here] was a link to pco_server, with the codes to pass specified in the url

```
https://pcoserver...../script.asp?codes={event_id}.{registration_id}
.{registration_db_id}.{registration_form_id}|{email:url}
```

Limitations of an external script

- Unfortunately, at the moment, the Indico API for registration data only returns the account data and the amount to be paid
- All other data requested in the Indico registration form is not available for external system

✓ To have all the data you need to create a plugin

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Problems

- Data inconsistency between the two systems
  - Some users were registered only on payment system (probably registered by the pco)
  - Some users have a different type and fee

Technical problems with pco_server

- Some times the pco_server did not respond to conf_server requests but since it was a cron the subsequent requests worked
- There was an interruption of service because the pco_server ssl certificate was expired

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Thank you!

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