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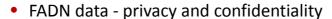


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### Current (old) IT system



- Based on open source technologies costs!
  - Php, GTK+ php-GTK, xml/xsd, mySQL, GUI glade builder
- FADN IT system:
  - 1. Off-line application
  - 2. Database
  - 3. Web application





FADNIZ



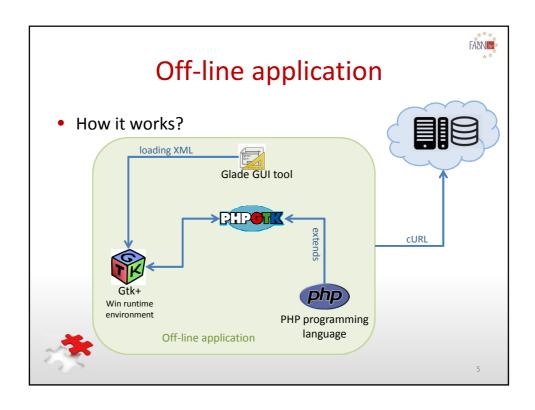


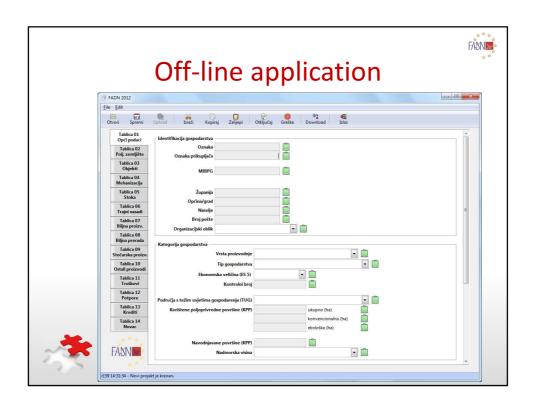


# Off-line application

- Collecting FADN data (once per year)
- Users: data collectors (employees od AAS)
- Technologies:
  - Php, GTK+, php-GTK
  - GUI glade builder
  - XML storing data locally
- On-line module: update, download, upload
- Data are encrypted
- Backup on save event

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# Web application

- User administration:
  - Creating and managing users, adding roles and privileges
- Updating off-line application
- Generating reports
  - Farm return, farm report, standard reports, half-full questionnaires
- Control tests (RI/CC 1350)
- Secure communication https



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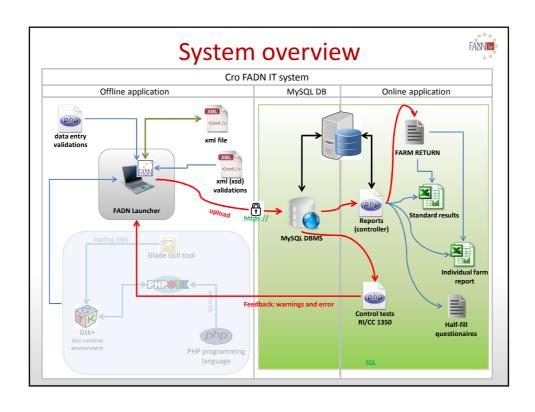
#### Database and HW

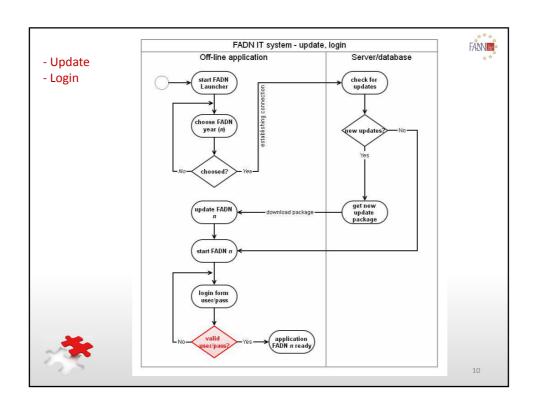


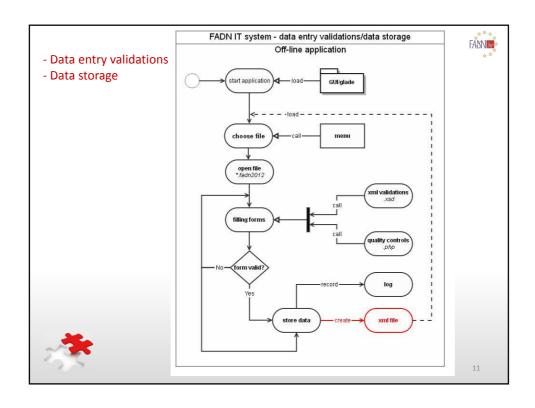
- Database:
  - mySQL, db users with different levels of access
  - recording log changes
  - daily backup
- Hardware:
  - FADN server outsourcing
  - FTP access Key-based SSH login
  - OS Linux CentOS
  - Web server: Apache

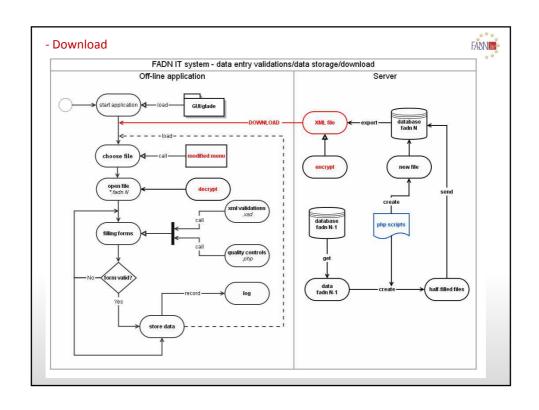


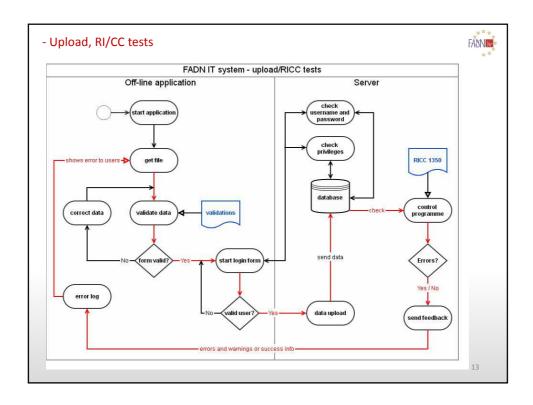
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# New system

yiiframework



- In development stage (testing)
- Web application
- Yii framework (php)
  - MVC architecture
  - Input validations, output filtering
  - AJAX-enabled widgets
  - Built-in authentication and authorization
  - Localization (message translation, formatting, interface)
  - SQL injection and Cross-site scripting prevention included



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