NITROREPORTPDF

Module for Moodle

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What is?

NitroReportPDF is module for Moodle, which allows on generate PDF file, also XLS, XLSX and ZIP files with the data about conducted the quiz. All is in one file.
PDF and ZIP file contains:
- Cover
- Short information about test
- Correct filled test
- Table of points, percentages, awarded ratings
- Tests filled by students
- Statistics
- Summary
- Declaration (ex. Prohibition of copying questions and answers)

XLS, XLSX file contains only statistics.

NitroReportPDF

- It works with Moodle 2.9 (version: 2015082201)
- Simple installation and configuration
    a) upload module files to Moodle instance directory to / mod / quiz / report
    b) change permissions recursively for nitroreportpdf folder to 0755
    c) change permissions recursively for nitroreportpdf/cache to 0777
    d) run in browser WWW your Moodle website and complete installation
    e) fill field contact to you, you can fill also extra declaration, which will be on the end of PDF file
- Supports 18 question types
- License: free

Supports question types (1)

NitroReportPDF supports following question types:
- True / false
- Numerical
- Embedded answers (Cloze)
- Drag and drop onto image
- Select missing words question
- Drag and drop into text
- Matching question
- Multiple choice question
- Ordering question
- Drag-and-Drop Matching Question
- Gap Fill Question
- Simple calculated question
- All-or-Nothing Multiple Choice Question
- WIRIS questions:
    - true / false
    - matching question
    - Embedded answers (Cloze)
    - short answer
    - Multiple choice question

Supports question types (2)

The module mainly focuses on closed questions. Plugin itself verifies and evaluates responses and next in the report place – on red incorrect answers, on blue correct answers. Not all question types supports by module are necessary. Unsupported questions will be handled – will be included question text without responses.

If you have questions with manual evaluating and commentary, points will be simply transferred – it have a higher priority.

Why NitroReportPDF module
has a big size?

The largest size has vendor/mpdf folder, which has source codes of mpdf needed to generate PDF file.

So, this module isn't in Moodle database of plugins in due to excess file size. You must install plugin manually.

ZIP file

ZIP file is compressed archive, which contains these same information in index.html as PDF file (its main file to run) and:

    a) display the correct mathematical formulas – MathJax
    b) the ability to play videos – video.js
    c) display compressed image files – BPG

In depending on the type, archive can be:

    a) online archive (it's default) – this is smaller, required is Internet connection, because JavaScript files are downloaded from the Internet, such as video of YouTube, Vimeo, DailyMotion and SoundCloud

    b) offline archive – archive has a much larger size, because it uses the previously prepared archive with files... you can use it without Internet, but this include videos from video sites.

If you want use this type archive download ZIP from links on end of this presentation and put in moodle directory / mod / quiz / report
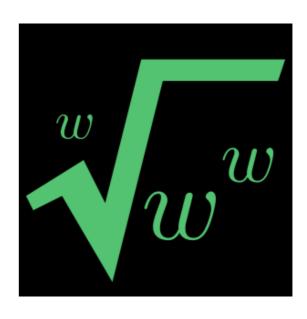
Support LaTeX, MathML

PDF doesn't support LaTeX and MathML syntax to display math mathematical formulas. NitroReportPDF module with help external servers transforms laTeX, MathML syntax to image. These images are used later in PDF file. In ZIP file MathJax transforms formulas.

Configuration

You find configuration for NitroReportPDF in your Moodle site ► Site administration ► Plugins ► Activity modules ► Quiz ► Quiz Nitro Report PDF

You can:
- check updates
- add/delete latex, mathml server
- fill contact field
- fill declaration, which will be include on end PDF file

Cache

- NitroReportPDF uses own cache directory (nitroreportpdf/cache)
- This folder is very important, beacuse MPDF must have direct access to files from the quiz. These files are storage temporarily.
- If example two teachers generate PDF files from this same quiz, files from this quiz are written only once – it's save disk space and generating time
- Moodle's task via cron every 12 hours is checking and deleting old and unused files.

Tasks

I NitroReportPDF has 2 tasks, which are run while calling cron jobs:

Clear NitroReportPDF cache
- clear cache folder from old and unused files (checking every 12 h)

Checking MathMML and Latex Servers
- checking availability, upload and download ratio mathmml and latex servers (every 10 minutes). Ratios are saved in database. This allows to select the fastest server from the list.

Generated files

Files are storaged in Home ► Dashboard ► Private files ►NRPDF_Reports. Folder NRPDF_Reports is automatically created while generating PDF file. It contains generated PDF, XLS, XLSX, ZIP files.

Links...

l **NitroReportPDF module (mirrors)**
- https://github.com/nitro2010/nitro_moodle_plugins
l **Prepack ZIP for creating offline archives**
- https://github.com/nitro2010/nitro_moodle_plugins/releases
- https://github.com/nitro2010/nrpdf_prepack
l Module WWW
http://www.webnitro.eu/en/moodle-nitroreportpdf/