DocDokuPLM
Innovative PLM solution
DocDokuPLM: a business solution

“Manage the entire lifecycle of your products from ideas to market and setup your information backbone.”
DocDokuPLM highlights

- **Anywhere**
  - Desktop computers and mobile devices

- **More collaboration**
  - Stimulate cross-domain collaboration around your products

- **Seamless integration**
  - Connect our solution to your business applications thanks to our open architecture

- **Award winning Open Source software**

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DocDokuPLM: anywhere

• Just a web browser

• Multi-browser
  • Compatible with Firefox, Google Chrome, Safari, IE (11)

• Multi-platform
  • PC (Windows, Linux), Mac
  • Mobile devices (iPad, Android, Windows Phone)
DocDokuPLM: Open Source innovative solution

- Production-ready
  - Mia-electric (electric car maker)
  - Airbus (DMU)
- OWF Innovation Awards 2012 winner
- Under OW2 umbrella

- Hosted on GitHub
  - [https://github.com/docdoku/docdoku-plm](https://github.com/docdoku/docdoku-plm)
- AGPL v3
  - [http://www.docdokuplm.com](http://www.docdokuplm.com)
DocDokuPLM: the modules

Product Structure

- Process Management
- Data Visualization
- Bill of Materials
- Change Management
- User access control

Product Configuration

- Document Management
DocDokuPLM: use your browser

- **Data Visualization**
  - Display data in any browser
  - No client software or plugin required
  - Displayable formats:
    - MS Word
    - MS PowerPoint
    - OpenOffice Impress
    - OpenOffice Writer
    - PDF
    - Video and audio data
    - CAD models (DWG, Step, OBJ, Catia...)

Additional formats may be supported
DocDokuPLM: manage your document assets

- **Document Management**
  - Version control (check-in, check-out, revision, iteration)
  - Custom attributes
  - Tags support
  - Document templates
  - Automatic ID generation
  - Links between documents
  - Full text search

And attach processes, track changes, and visualize Office documents inside the browser
DocDokuPLM: manage your document assets
DocDokuPLM: track and organize changes

- **Process Management**
  - Define workflows, no coding required (WYSIWYG editor)
  - Assign tasks to users
  - Users can add comments
  - Accept or reject tasks
  - Start and follow the work progress

- **Change Management**
  - Be notified on changes
  - Track modifications on every object

Process and change management can apply to documents, products, parts...
DocDokuPLM: track and organize changes
DocDokuPLM: manage your products

- **Product Structure**
  - Browse the product definition
  - Search, filter the breakdown structure

- **Product Configuration**
  - Add effectivities to part revisions
  - Effectivities could be based on date, lot or serial number
  - Define alternate and substitute parts

- **Bill of Materials**
  - List the raw materials upon a specific configuration context

Track structure and parts changes and manage workflows
DocDokuPLM: manage your products
Technical specifications

- **Cross-platform, multi-device**
  - Because PLM involve people inside and outside the company using heterogeneous OS and devices

- **Enterprise level Software**
  - Reliability, security and performance are not options

- **Standard compliant**
  - To protect investments
  - Adapted from STEP 10303
  - Compatible with various CAD formats (DWG, Step, OBJ...)

- **Open API**
  - Mandatory for interoperability
  - SOAP for the enterprise, REST for the web

- **Cloud-Ready**
  - Because Cloud is more than a buzzword, it’s a strong movement
DocDokuPLM Architecture - Big picture

- RIA + AJAX Web + Scripting Environment
- Visualization plugins
- SOAP
- Web DAV
- HTML5 JS
- REST API

Open API

- DocDokuPLM Engine
  - Vault Module
  - Workflow Module
  - Metadata Persistence Module

- Security
- Transactional
- User management
- Logging Monitoring

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Server Side

- Based on JavaEE
  - Developed with the latest enterprise stack
- Multi-OS Support
  - Linux (Debian, Ubuntu, Redhat, Suse, CentOS...)
  - Solaris
  - Windows Server
  - Mac OS
- Multi-Database Support
  - PostgreSQL
  - MySQL
  - Oracle Database
  - SQL Server
- Deployable on the cloud
  - Our modular design lead to high configuration flexibility
  - Take advantages of IaaS or PaaS solution (Amazon, Heroku...)
  - Achieve horizontal scalability
Client Side

• **Full Web Client**
  - Chrome
  - Firefox
  - Safari
  - Internet Explorer 11

• **Leverage HTML5**
  - Digital mock-up visualization inside the browser (w/o plugin)
  - Real-time communication inside the browser (w/o plugin)
  - Offline mode
  - Responsive UX Design (Desktop, tablet and mobile)

• **Scripting Tool Console**
  - All interactive actions available through Command Line Interface
  - Useful for project setup
  - Repeatable tasks automation
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