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CCR Website Crowd Funding Membership V1.0

www.ccr.org
Climate Change Researcher Website Development Project

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1 Targeted Software Product

The targeted software product is a pre-configured Linux virtual machine installation entirely run on royalty free open source software that implements a Climate Change Researcher (CCR) Web site, with the following public services.

1.1 **www.ccr.org home page**

Implementation will be done on a PHP-enabled http Apache2 web server.

1.1.1 **Automated www read-only access**

Function for public access to html browse-able and searchable DocumentDictionary and OOCASE server databases. A number of practically useful HTML views of the data will be implemented, together with click-able links to the author uploaded files. Typically these are documents and DocumentDictionary and OOCASE models in binary or text export formats, and QAEVR licensed source code for automatically generated implementations of the CCR applications that are documented with DomainModels.

1.1.2 Automated registration of author accounts

Optionally, the general public can register an author account with public key certificate login and sftp, that enables upload of DocumentDictionary models into the database and documents into an sftp document archive accessible with links from the public web-site. Each author account has write access to its own contributed content.

Who will have access to register an author account is decided by the crowd funding member that puts the virtual machine in production and makes it accessible over the internet.

1.1.3 Local sftp author account for document upload

This is a generated standard linux user author account for document upload and maintenance.

1.1.4 Local sftp author account for public home page

This is the above account with additional www subdirectory made available to the public by the apache web-server, where the user of the author account can maintain an html home-page within a standard www directory. This html directory is made accessible from the public web page below www.ccr.org/~authorlogin.

1.1.5 Direct ODBC synchronization with DocumentDictionary

ODBC data source for installation on a Windows computer that provides direct ODBC access to DocumentDictionary models in the www.ccr.org document dictionary database server through a ssh tunnel with *DocumentDictionary V1.0 R101 Pro*.

1.1.6 Direct ODBC synchronization with OOCASE

ODBC data source for installation on a Windows computer that provides direct ODBC access to OOCASE models in the www.ccr.org OOCASE database server through a ssh tunnel with *OOCASE V4.0.4 Pro*.

1.2 DocumentDictionary database server

This is a PostgreSQL database server for storing DocumentDictionary models with CCR publications. These will be searchable and downloadable from www.ccr.org.

1.3 OOCASE database server

This is a PostgreSQL database server for storing of CCR Standard QAEVR Licensed DomainModels. These can be loaded and used as shared model in distributed team development projects with synchronization through the ODBC interface.

1.4 Backup maintenance

Linux bash scripts that provide automated backup maintenance in a platform independent format, and can be scheduled for regular full and incremental backups shipped via encrypted ssh copying to chosen cloud storage accounts.

1.5 QAEVR Licensed Open Source

All software will be implemented on open source software. The licenses for production critical widely used standard DomainModels and their source code implementations will be licensed under the QAEVR license. This is necessary to ensure a long-term stable and funded competent maintenance organization with staff who can organize qualified individuals to quality assure new versions of the DomainModels, and make these and their software implementations available to the user community.

2 Project Start

The project will be started once enough funding has been provided by pre-paid membership fees or perhaps additional CCR research partner grants to deliver a practically useful high-quality implementation with 2-3 months of full time work with configuration and quality assurance testing of the particular Virtual Machine installation.

3 Membership Fee Benefits

A paid Membership fee to this crowd funding project entitles License to use the resulting open source Linux Virtual Machine distribution for public projects governed by the funding Member. The VM including source code is made available to funding members. Option is to have the funding members name and contact information including www web-site or home-page on the public contributor acknowledgement page on the web-site in the distribution of the virtual machine.

The resulting source code is distributed with shared copyright to all crowd funding members with QAEVR license restrictions on the critical standard maintenance parts.

4 References

The following references are available in the Licensed free-of-charge Student products "DocumentDictionary V1.0 Student (Windows x86)" and " DocumentDictionary V1.0 Student (Linux x64) " which are available for download at the web-site where you downloaded this paper.

- [Johansson 1996] Olof Johansson, "Development Environments for Complex Product Models, Linköping Studies in Science and Technology", Dissertation No 459, ISBN 91-7871-855-4, 1996,
[file://\\$\(DocumentDictionary\)/DATA/Foundational_Engineering_Database_The_ory_Products/4_Products/\[Johansson 1996\]/\[Johansson 1996\].pdf](file://$(DocumentDictionary)/DATA/Foundational_Engineering_Database_The_ory_Products/4_Products/[Johansson 1996]/[Johansson 1996].pdf)
- [ROJTEC 2018a] ROJTEC, "Document Dictionary Tutorial", ROJTEC, 2018,
[file://\\$\(DocumentDictionary\)/doc/DocumentDictionary_Tutorial_V1.0.pdf](file://$(DocumentDictionary)/doc/DocumentDictionary_Tutorial_V1.0.pdf)
- [ROJTEC 2018c] ROJTEC, "DocumentDictionary User Manual", ROJTEC, 2018,
[file://\\$\(DocumentDictionary\)/doc/DocumentDictionary_User_Manual_V0.8.pdf](file://$(DocumentDictionary)/doc/DocumentDictionary_User_Manual_V0.8.pdf)
- ROJTEC 2018d] ROJTEC, "OOCASE User Manual", ROJTEC, 2018,
[file://\\$\(DocumentDictionary\)/DATA/Foundational_Engineering_Database_The_ory_Products/4_Products/\[ROJTEC 2018d\]/OOCASE_User_Manual_181211.pdf](file://$(DocumentDictionary)/DATA/Foundational_Engineering_Database_The_ory_Products/4_Products/[ROJTEC 2018d]/OOCASE_User_Manual_181211.pdf)