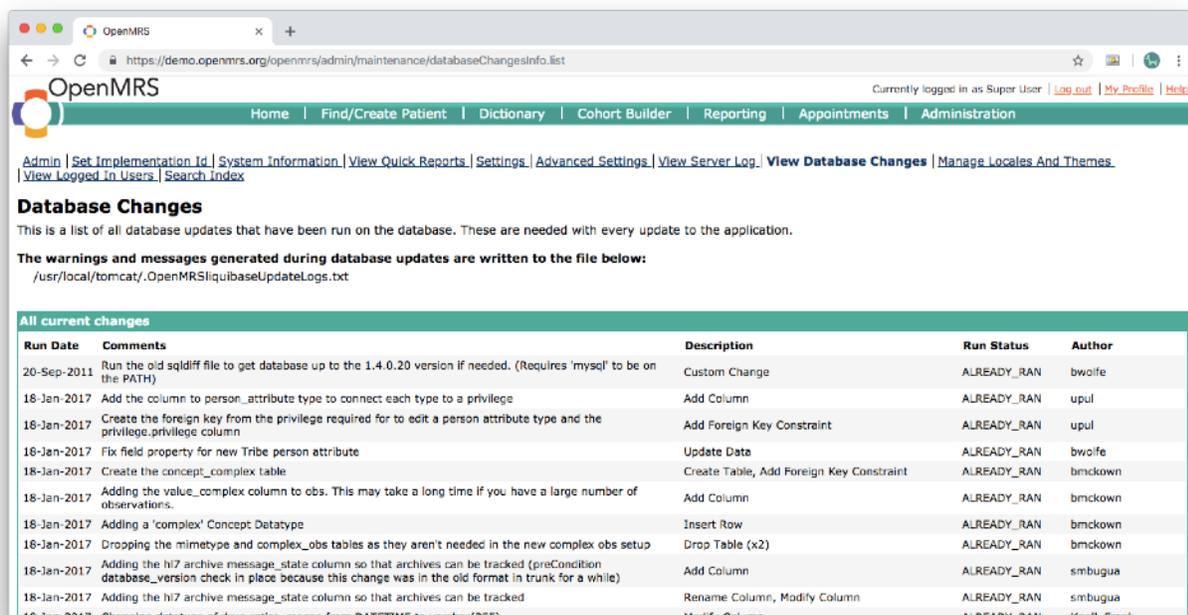


Adrian Serapio

UI issues in OpenMRS Ref Application 2.8.0

<https://demo.openmrs.org/openmrs/admin/maintenance/databaseChangesInfo.list>

This is the *original component* for **Database Changes** which could be accessed through System Administration > Advanced Administration. Afterward, under Maintenance > View Database Changes.



The screenshot shows the OpenMRS web application interface. The page title is "Database Changes". Below the title, there is a note: "This is a list of all database updates that have been run on the database. These are needed with every update to the application." Below this note, there is a section titled "The warnings and messages generated during database updates are written to the file below:" followed by the file path: "/usr/local/tomcat/.OpenMRSliquibaseUpdateLogs.txt".

The main content is a table titled "All current changes". The table has four columns: "Run Date", "Comments", "Description", "Run Status", and "Author". The table contains 13 rows of data, with the most recent changes at the bottom.

Run Date	Comments	Description	Run Status	Author
20-Sep-2011	Run the old sqldiff file to get database up to the 1.4.0.20 version if needed. (Requires 'mysql' to be on the PATH)	Custom Change	ALREADY_RAN	bwolfe
18-Jan-2017	Add the column to person_attribute type to connect each type to a privilege	Add Column	ALREADY_RAN	upul
18-Jan-2017	Create the foreign key from the privilege required for to edit a person attribute type and the privilege.privilege column	Add Foreign Key Constraint	ALREADY_RAN	upul
18-Jan-2017	Fix field property for new Tribe person attribute	Update Data	ALREADY_RAN	bwolfe
18-Jan-2017	Create the concept_complex table	Create Table, Add Foreign Key Constraint	ALREADY_RAN	bmckown
18-Jan-2017	Adding the value_complex column to obs. This may take a long time if you have a large number of observations.	Add Column	ALREADY_RAN	bmckown
18-Jan-2017	Adding a 'complex' Concept Datatype	Insert Row	ALREADY_RAN	bmckown
18-Jan-2017	Dropping the mimetype and complex_obs tables as they aren't needed in the new complex obs setup	Drop Table (x2)	ALREADY_RAN	bmckown
18-Jan-2017	Adding the h7 archive message_state column so that archives can be tracked (preCondition database_version check in place because this change was in the old format in trunk for a while)	Add Column	ALREADY_RAN	smbugua
18-Jan-2017	Adding the h7 archive message_state column so that archives can be tracked	Rename Column, Modify Column	ALREADY_RAN	smbugua
18-Jan-2017	Changing datatype of drug_order_reason from DATETIME to varchar(255)	Modify Column	ALREADY_RAN	Knoll_Erick

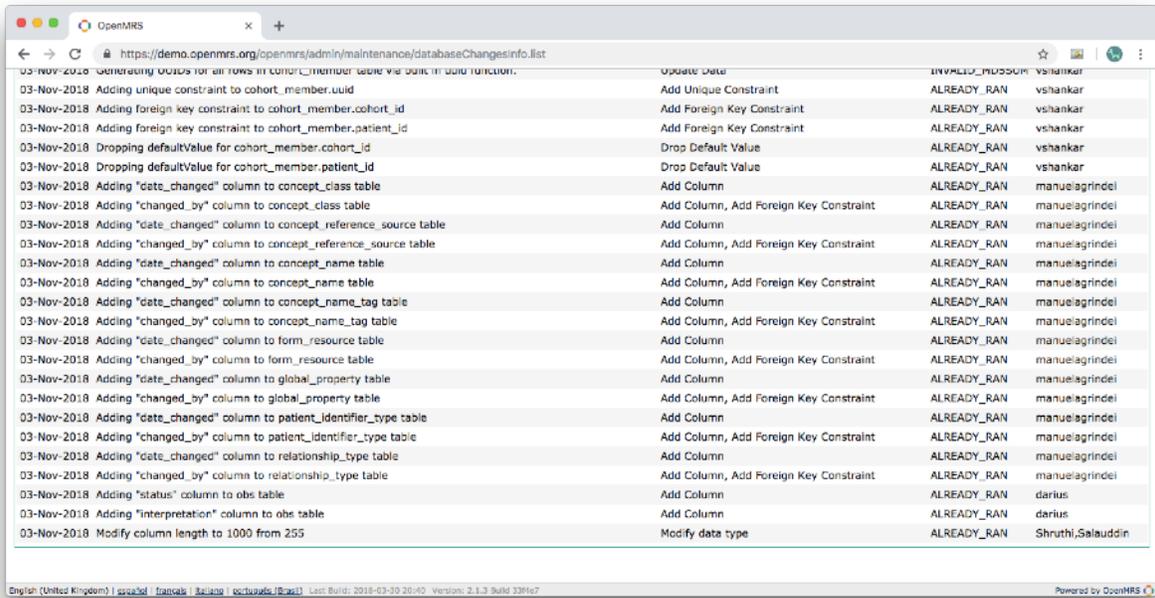
[Figure 1.1]

Current UI which could be found in the OpenMRS Ref App Demo

However, there are some issues that I feel with how it looks, which will in turn affect the component's functionality.

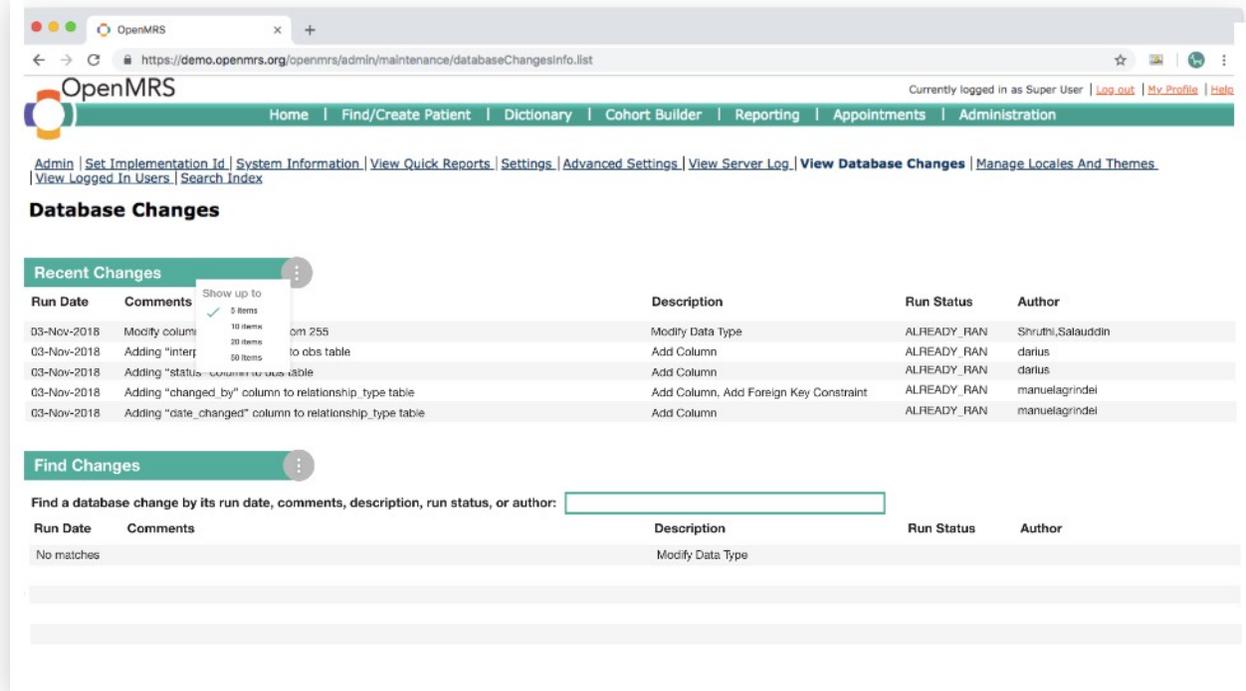
First of all, I feel that it would be necessary to be able to easily locate the most recent database changes. In this design, you would have to scroll down so much entries, before reaching the most recent ones.

This leads me to my second adjustment. I think it would be more beneficial to be able to see the most recent results, rather than in chronological order. Latest changes in the database would more easier to see if it were arranged in a reverse-chronological setting.



[Figure 1.2]
Scrolling through database entries in the current UI

Afterward, then, scrolling to an older database change may become cumbersome. As such, I think it would be necessary to be able search for a specific database modification / entry.



[Figure 1.3]
My proposed design in response to UI issues

As seen in the previous page, my proposed design would have a feature wherein you could select the amount of database modifications / entries to reduce the scrolling. Moreover, if the user wants to view more, they could easily select 10, 20, or even 50 items, and review changes.

My second proposal is that there is a search function such that by typing the run date, comment, author, etc., the user will be able to find previous changes instead of scrolling down.

Through these modifications in the UI, I hope that it would be easier to view database changes.