

https://gustine.eu/mode_emploi/sosa-fr.php
https://gustine.eu/mode_emploi/sosa-en.php
https://gustine.eu/mode_emploi/sosa-es.php
(October 2025)

Sosa²⁰ module for webtrees 2

This module adds a sidebar displaying the Sosa-Stradonitz numbering of the root individual's ancestors. As the calculation on the fly can be excessively long if the number of generations is large, it is preferable to calculate the numbers and store them in a *wt_sosa* table created by this module. For each person and each GEDCOM, it contains the Sosa number and the corresponding generation.

At startup, the system checks whether the table exists and, if not, prompts the user to create* it. An editor must then fill it in, for each tree. When an individual's page is displayed, the module simply reads the table without recalculating the Sosa numbers each time. Updates must be made from time to time, particularly after adding new ancestors.

* When creating or migrating the database, an error page stating "There is no active transaction..." appears. Reload the page and continue.



The screenshot shows a webtrees 2 profile page for an individual named Michel dit Victor Bonhommet. The profile includes a portrait photo, a name field with a dropdown arrow, and a sidebar on the right displaying the Sosa number 42 (6th generation) and the relationship "paternal great-great-grandfather". The sidebar also features a "Click" button with a red arrow and a small icon. The main content area has tabs for "Facts and events", "Families", "Sources", "Media", "Interactive tree", and "Places". Below these tabs are links for "Descendants and ancestors" and "Cousins".

Includes several files that must be placed in the *modules_v4/sosa20* folder.



① It is assumed that the individuals of the first generations are hidden from visitors, but that the eight great-grandparents of the fourth* generation are visible. We then determine which great-grandparent's ancestor the individual is and display a small symbol representing its place on a fan diagram. Finally, we display the great-grandparent and calculate the sosa number corresponding to this secondary root.

The absence of the file *img/symbols.png* (or *.webp* or *.jpg*) hides not only the display of the symbol but also that of the numbers linked to the great-grandparent.

* The *module.php* file provides an example with several sets of symbols and numbers of generations in the case of multiple trees, based on the name of the GEDCOM file.

② For each connected member linked to an individual in the tree, the Sosa numbers, calculated from that individual, are also displayed. To do this, a new *user_id* field is added to the *wt_sosa* table to pre-calculate and store the numbers for each root. The database migration process recovers the previously calculated numbers for the default individual, the root of the tree.

The absence of the *image.webp* file (*.jpg* or *.png*) hides not only the profile image display but also the personal numbers*. A transparent image of a single pixel will do the job.

* The *module.php* file provides an example with several profile images in the case of multiple trees.

When using the module for the first time, an editor must fill in the table for visitors (the default individual numbers) and possibly for themselves. Each member must do the same for themselves. This must be done for **each tree**. Updates must be made from time to time, particularly after adding new ancestors.

❗ A help page integrated into the module informs the user about what they can and cannot do based on their status.□