

Guide to Horde Data Behavior



Note:

There are significant changes to Horde's behavior between cPanel & WHM version 11.48 to 11.50. Click the tab below that corresponds with your version of cPanel & WHM.

Overview

In cPanel & WHM version 11.50, we moved the Horde user data storage from a single server-wide MySQL database to an individual SQLite database for each cPanel account. We also activated new features of Horde that were previously disabled.

This document explains the methods that the system uses to manage Horde data in cPanel & WHM version 11.50 and later.

Per-user SQLite databases

Upgrades from 11.48 to 11.50

When servers upgrade from 11.48 to 11.50, the system performs a one-time conversion operation during the post-sync cleanup phase of the upgrade. script. This moves the Horde user data from the Horde MySQL database to a set of SQLite databases, one for each cPanel account.

The original Horde database backs up to the `/var/cpanel/horde/horde.backup.sql.final` file before the system performs this operation. If the backup and the conversion are both successful, the system removes the original Horde MySQL database.



Important:

You **cannot** downgrade Horde data from cPanel & WHM version 11.50 and later.

New installations of 11.50 and later

For new installations of cPanel & WHM version 11.50 and later, the system stores Horde user data into the new location from the installation. There is not a conversion step.

Backups/restores and transfers

This change impacts backups, restores, and transfers in the following ways:

cPanel & WHM Version	Description
11.50 and later	Each cPanel account possesses its own Horde SQLite database.
11.48 > 11.50	The system transfers your Horde data from a single MySQL database to per-account SQLite databases. After the upgrade, each cPanel account possesses its own Horde SQLite database.
11.50 > 11.48	<div> Important: You cannot downgrade Horde data from cPanel & WHM version 11.50.</div>
11.50 > 11.52	The system uses the present Horde SQLite databases and upgrades them to work with the latest Horde components.
11.52 > 11.50	<div> Important: You cannot downgrade Horde data from cPanel & WHM version 11.52.</div>

The cpanelhorde user

As part of the switch to SQLite, the system no longer uses the `cpanelhorde` user to manage access to the Horde database. The `cpanelhorde` user was necessary so that individual users could have limited access to the MySQL Horde database. In cPanel & WHM version 11.50 and later, each cPanel account possesses its own Horde SQLite database. Horde webmail and CalDAV/CardDAV services execute as the cPanel account user.

Component upgrades and table schema changes

cPanel & WHM version 11.50 upgrades several components which installs several bug fixes from the upstream maintainers. The new version upgrades the Kronolith application from version 4.1.3 to 4.2.5. The change in version required a minor schema change to the applications tables. cPanel account users should not see any difference in behavior as a result of this change.

cPanel & WHM version 11.52 also upgrades many components which installs numerous bug fixes and features from the upstream maintainers. These upgrades include, but are not limited to, the following modules:

- Horde Application Framework
- IMP (Mail)
- Ingo (Mail Filters)
- Kronolith (Calendar)
- Mnemo (Notes and Memos)
- Nag (Task List)
- Trean (Bookmark Manager)
- Turba (Address Book).

Scripts

Script	Description
<code>/usr/local/cpanel/bin/update_horde_config</code>	<p>In cPanel & WHM version 11.48 and earlier, the <code>update_horde_config</code> script updated the <code>/usr/local/cpanel/base/horde/config/conf.php</code> file with database credentials and upgrading table schemas. In cPanel & WHM version 11.50, we made the follow changes to this script:</p> <ul style="list-style-type: none"> • This script no longer adds database credentials to <code>/usr/local/cpanel/base/horde/config/conf.php</code> file. The SQLite database uses filesystem permissions for access control. • This script handles the initial creation of cPanel account SQLite database for Horde. • The schema check and upgrade operation only executes if you perform the <code>/usr/local/cpanel/bin/update_horde_config --full</code> command. <div style="border: 1px solid #ffc107; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>You can access the additional functions of this script if you perform the <code>/usr/local/cpanel/bin/update_horde_config --help</code> command.</p> </div>
<code>/scripts/horde_mysqltosqlite</code>	<p>This script installs with cPanel & WHM version 11.50 and later.</p> <ul style="list-style-type: none"> • The script performs the switch from the system-wide Horde MySQL database to the per cPanel account Horde SQLite databases. • This script runs while the system upgrade from cPanel & WHM version 11.48 to 11.50. • This script only runs when you upgrade to cPanel & WHM version 11.50 or later. <div style="border: 1px solid #ffc107; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>You can read the output of this script in the <code>/var/cpanel/logs/horde_mysqltosqlite_log</code> file.</p> </div>
<code>/usr/local/cpanel/scripts/fullhordereset</code>	We removed this script in cPanel & WHM 11.50.

The SQLite Horde database and the `~/ .cphorde` directory

In cPanel & WHM version 11.50 and later, each cPanel account possesses its own `.cphorde` directory under the accounts home directory. The `.cphorde` directory contains the following items:

Name	Type	Description
<code>horde.sqlite</code>	<i>SQLite database</i>	This database contains the cPanel accounts Horde data.

meta	Directory	The backup service uses this directory to create the Horde database backups.
vfsroot	Directory	The <code>/usr/local/cpanel/base/horde/config/conf.php</code> file uses this directory for the <code>vfsroot</code> setting.

Changes to the `/usr/local/cpanel/base/horde/config/conf.php` file

In cPanel & WHM version 11.50 and later, the following changes were made to the `/usr/local/cpanel/base/horde/config/conf.php` file:

1. The file no longer contains the Horde database credentials or a server-specific MySQL password. The SQL section now contains the generic SQLite setup configuration.
2. The file's permission is world-readable.



Important:

cPanel account users **must** have permissions to this file.

Horde database troubleshooting and repair in cPanel & WHM 11.50 and later

You can use the following table to troubleshoot problems for each cPanel account's Horde SQLite database.



Important:

If you delete a cPanel account's Horde SQLite database, you will lose **all** of that account's calendar and contact information.

I want to...	cPanel & WHM 11.50 and later
Reset horde database password.	You can no longer perform this action in cPanel & WHM version 11.50. The SQLite database relies on filesystem permissions for access control, not a password.
Create a missing database for cPanel user bob.	<code>/usr/local/cpanel/bin/update_horde_config --user=bob</code>
Create missing databases for all cPanel users on the system.	<code>/usr/local/cpanel/bin/update_horde_config</code>
Upgrade tables or create missing tables in an existing database for cPanel user bob.	<code>/usr/local/cpanel/bin/update_horde_config --user=bob --full</code> <div style="border: 1px solid #ffc107; padding: 5px; margin-top: 10px;"> <p> Note:</p> <p>The <code>--full</code> flag instructs the <code>update_horde_config</code> script to perform the full table schema check and upgrade/repair instead of only checking whether the database exists.</p> </div>
Upgrade tables or create missing tables in the existing databases for all users on the system.	<code>/usr/local/cpanel/bin/update_horde_config --full</code> <div style="border: 1px solid #dc3545; padding: 5px; margin-top: 10px;"> <p> Warning:</p> <p>This operation may require significant time to execute on systems with many accounts.</p> </div>
Move and re-create a new horde database for the cPanel user bob with the default calendars and address books.	<ul style="list-style-type: none"> • <code>mv ~bob/.cphorde/horde.sqlite ~bob/.cphorde/horde.sqlite.bak</code> • <code>/usr/local/cpanel/bin/update_horde_config --user=bob --create-defaults</code>

Additional documentation

- [Guide to Horde Data Behavior](#)
- [Calendar and Contacts Server](#)
- [How to Set Up Webmail Folders](#)
- [How to Troubleshoot Horde Data Conversion from MySQL to SQLite](#)
- [The `horde_mysqltosqlite` Script](#)

