

Module 6: Data Migrations

Data Migrations (cPanel, Plesk, CWP,
CyberPanel, CloudPanel)

6.1 Introduction to Data Migration in Web Hosting



6.1 Introduction to Data Migration in Web Hosting

- **Overview of Data Migration:** Data migration in the context of web hosting involves transferring websites, databases, emails, and configurations from one hosting platform to another.

Common Scenarios for Migration:

- Upgrading to a more powerful server.
- Moving between hosting providers.
- Consolidating multiple hosting accounts.
- Switching between control panels (e.g., cPanel to CyberPanel).

6.2 Understanding the Migration Process

Preparation:

- Backing up website files and databases.
- Checking compatibility (PHP versions, databases)- Often overlooked, ensure to check compatibility before initiating a transfer.
- Ensuring domain DNS settings are ready for transition.

6.2 Understanding the Migration Process

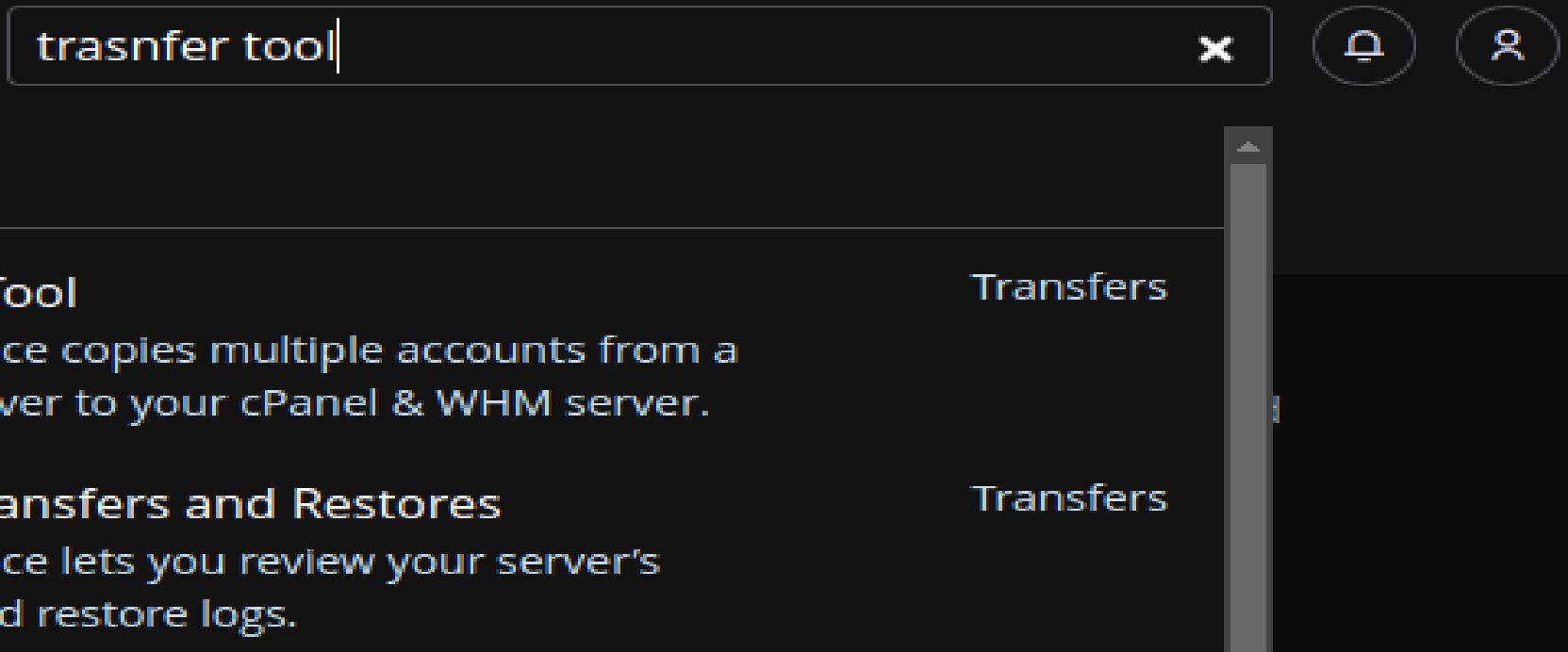
- **Migration Methods:**

Manual Migration: Exporting and importing files and databases manually.

Automated Tools: Using built-in migration tools available in hosting control panels.

6.3 Migrating with cPanel

- **Migration Tool:** cPanel provides an in-built transfer tool to simplify moving data between cPanel servers.



6.3 Migrating with cPanel



Transfer Tool

Home / Transfers / Transfer Tool ?

Remote Server Information

Remote Server Address:

oldserver.transfer.cloud

← **OLD SERVER**

Remote SSH Port:

1111

← **YOUR CUSTOM PORT (If any)**

Authentication

Login:

- Root (default)
- User

Username:

oldserver|

← **LOGIN USERNAME**

Authentication Method:

6.3 Migrating with cPanel

- cPanel to cPanel Migration Types:
 1. Using Transfer Tool – Used for full account transfer. Requires WHM access.
 2. Manual
 - Using Full backup – Download Fullback from cpanel interface and restore using the cpanel restore script : ***/scripts/restorepkg backupname.tar.gz***
 - Manual – See guide : ***<https://truehost.com/support/knowledge-base/how-to-transfer-an-addon-domain-sub-domain-from-one-cpanel-to-another/>***

6.3 Migrating with cPanel

- Steps for cPanel to cPanel Migration:
 1. **Backup and Transfer:** Use the "Backup Wizard" to download full or partial backups.
 2. **Using Transfer Tool:** On the new server, navigate to "Transfer Tool" under "Transfers" to import accounts from the old server.
 3. **Database Migration:** Ensure all MySQL databases are exported and imported correctly.

6.3 Migrating with cPanel

- 4. Email Accounts:** Transfer email accounts, settings, and messages using IMAP syncing or the Mail Transfer tool.
- 5. DNS Settings:** Update DNS records to reflect the new server IP addresses.

6.5 Migrating with CyberPanel

- Migration Tool: CyberPanel supports manual and automated migration from cPanel and other panels.
- Steps for CyberPanel Migration:
 1. **Backup and Import:** Export data from the old server (e.g., using cPanel's full account backup or manual backups).
 2. **Using the Import Tool:** CyberPanel has a "cPanel Account Importer" for migrating cPanel accounts.
 3. **Manual File Transfer:** For other panels, manually upload website files and databases.

6.5 Migrating with CyberPanel

- **DNS and Email Configuration:** Update DNS records to reflect the new server's IP and reconfigure email settings.
- **Database and Security Checks:** Ensure databases are functioning, and reissue SSL certificates if necessary.

Migration Guide: cPanel to Cyberpanel

- <https://truehost.com/support/knowledge-base/how-to-auto-import-a-cpanel-backup-to-cyberpanel-transfer-from-cpanel-to-cyberpanel/>

6.6 Migrating with CWP (Control Web Panel)

- **Migration Tools:** CWP offers multiple ways to migrate accounts from cPanel and manual methods for other panels.

Steps for CWP Migration:

- 1. cPanel Account Transfer:** Use CWP's "cPanel to CWP" migration tool to automate the transfer process.
- 2. Manual Migration for Other Panels:** Export data from the old panel, then upload and restore the content in CWP.

6.6 Migrating with CWP (Control Web Panel)

3. Database Transfer: Ensure all MySQL databases are migrated and configured correctly in CWP.

4. Update DNS Records: Update the DNS records to point to the new CWP server.

- **Migration Guide : cPanel to CWP**

<https://truehost.com/support/knowledge-base/how-to-migrate-your-site-from-cpanel-to-cwp/>

6.7 Migrating with CloudPanel

- **Manual Migration Process:** CloudPanel, being a lightweight control panel, often relies on manual migration techniques.

Steps for CloudPanel Migration:

- 1. File Transfer:** Manually copy website files (using SFTP or rsync) from the old server.
- **2. Database Export/Import:** Use MySQL commands to export and import databases.
 - It is **NOT** recommended to use PHPmyadmin on Cloudpanel.

6.7 Migrating with CloudPanel

- **DNS and Domain Configuration:** Update DNS settings to reflect the new CloudPanel server.
- **Email Setup:** CloudPanel does not offer an integrated email solution or rather, does **NOT** support Emails.

6.8 Post-Migration Tasks and Best Practices

- **Data Integrity Checks:** Verify all files, databases, and emails have transferred correctly.
- **DNS Propagation:** Ensure DNS propagation completes and website traffic is directed to the new server.
- **Performance Testing:** Check website performance and loading times on the new server.
- **SSL and Security:** Reissue or transfer SSL certificates and ensure firewalls and security settings are in place.

6.9 Troubleshooting Common Migration Issues

- **Incompatible PHP or MySQL Versions:** Ensure both the old and new servers use compatible versions.
- **File Permissions:** Check that all files have the correct ownership and permissions after migration.
- **Email Delivery Problems:** Verify that email settings are correct and DNS records (like MX) are updated.
- **Downtime Minimization:** Strategies for reducing downtime during the migration process (e.g., using temporary domains).

6.10 Migration Best Practices for Truehost Users

- **Planning and Preparation:** Always prepare a migration plan to ensure smooth transitions.
- **Backups:** Maintain backups before and after migration.
- **Testing:** Test the website and services in a staging environment before switching DNS.

End of Module 6.