Drupal 7 vs Drupal 10 System Comparison (Code Block Style)

Migrate Commands + Data Effects + MySQL Examples

```
Command: drush migrate-status
Effect:
- Lists all available migrations
- Shows current status (idle, imported, etc.)
Command: drush migrate-import example_migration
- Runs specified migration
- Imports data from D7 DB into D10 entities
- Example MySQL table to check: SELECT * FROM node_field_data;
Command: drush migrate-rollback example_migration
Effect:
- Deletes all imported content from D10
- Returns to pre-import state
Command: drush cr
Effect:
- Clears all Drupal caches
- Required after config changes or migrations
```

Theme Creation & Reuse from Drupal 7 to 10 (With Code)

```
To reuse Drupal 7 CSS/images/fonts in D10:

1. Create sub-theme folder under /themes/custom/my_subtheme
2. Create my_subtheme.info.yml

my_subtheme.info.yml:
name: My SubTheme
type: theme
```

```
base theme: classy
libraries:
  - my_subtheme/global
3. Create my_subtheme.libraries.yml
my_subtheme.libraries.yml:
my_subtheme/global:
 css:
    theme:
      css/style.css: {}
4. Copy css/, js/, images/ from D7 theme to D10 sub-theme
5. Example file structure:
themes/custom/my_subtheme/
 css/
    style.css
 js/
 images/
 templates/
    node--article.html.twig
 my_subtheme.info.yml
 my_subtheme.libraries.yml
Twig template example:
{# node--article.html.twig #}
<article>
  <h2>{{ label }}</h2>
  <div>{{ content.body }}</div>
</article>
```

Migration Process Steps

```
1. Audit your Drupal 7 site
2. Backup D7 database and files
3. Install fresh Drupal 10 site using Composer
4. Enable migrate modules:
    drush en migrate migrate_drupal migrate_drupal_ui -y
5. Connect D7 database in D10 settings.php
6. Run Upgrade UI OR prepare Migrate API YAML configs
7. Execute migrations using drush migrate-import
8. Validate content and files in D10
9. Rebuild views and themes manually
```

What Can Be Migrated Automatically

```
- Content Types
- Nodes
- Users
- Files (basic file fields)
- Taxonomy Terms
- Menus
```

What Cannot Be Migrated & Requires Rebuild

- Views (must rebuild manually via admin)
- Panels/Panelizer (use Layout Builder)
- Field Collections (convert to Paragraphs)
- Themes (must create D10 sub-theme)
- Custom Contrib Modules (re-develop for D9/D10)

Post-Migration Validation Checklist

- 1. Check migrated users at /admin/people
- 2. Validate nodes at /admin/content
- 3. Verify taxonomy terms at /admin/structure/taxonomy
- 4. Confirm file attachments under /admin/content/files
- 5. Test menus and URL aliases
- 6. Run drush migrate-status for missed migrations
- 7. Clear all caches with drush cr

Additional Migration Commands (drush)

```
Check migration status:
drush migrate-status

Import specific migration:
drush migrate-import example_migration

Rollback migration:
drush migrate-rollback example_migration

Export configuration (recommended):
drush config:export
```

Consultant Tips

```
Always document Views + Panels structure in D7 before starting.

Estimate 20-30% of time for manual Views and Theme rebuild.

Never copy tpl.php templates into D10 themes.

Always create staging environment to test migrations.

Backup D10 database before running drush migrate-import.

Validate every migration batch before proceeding.
```

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```

Installing Drupal 10

drush en module_name

Install Drupal 10 using Composer (recommended):
 composer create-project drupal/recommended-project mysite
 Navigate to project folder:
 cd mysite
 Install site with Drush:
 drush site:install
 Set file permissions as required.
 Enable required modules using:

Using the Drupal 10 UI for Upgrade (Upgrade Path)

- 1. Install Drupal 10 site using Composer.
- 2. Enable migration modules:

drush en migrate migrate_drupal migrate_drupal_ui -y

- 3. Copy Drupal 7 database to local MySQL.
- 4. Copy sites/default/files from D7 into D10 sites/default/files.
- 5. Navigate to:

http://yourD10site/upgrade

- 6. Enter D7 database connection details in UI.
- 7. Select components (Users, Nodes, Taxonomy etc.)
- 8. Run migration from Upgrade UI wizard.
- 9. Review log messages and test imported data.

Common Migration Issues + Solutions

Issue: Missing D7 file links after migration.

Solution: Copy entire /sites/default/files/ folder from D7 to D10.

Issue: Migrate tool reports missing source plugin.

Solution: Enable migrate_drupal and migrate_drupal_ui modules.

Issue: D7 custom fields not migrated.

Solution: Create equivalent fields manually in D10 and map data.

Issue: Views missing after migration.

Solution: Views must be rebuilt manually in D10 at /admin/structure/views.

Issue: Performance slow on large migrations.

Solution: Break migration into smaller batches; use Drush for command-line processing.