WordPress Database Cleanup

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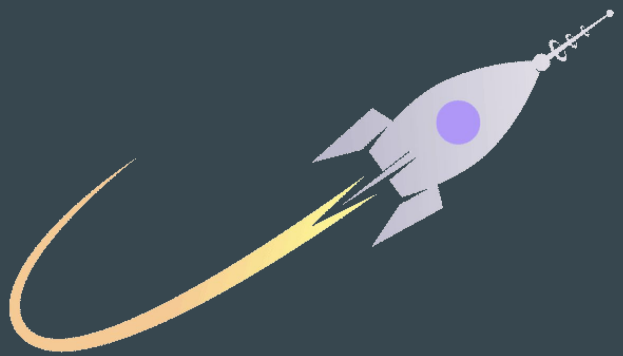
Slides: https://codedcommerce.com/wclax2020

Hoarding ... data?

- Accessibility
  - Performance
- Fire hazards
  - Errors & incompatibilities
- Infestations
  - Hacks & leaks
- Neglected repairs
  - Soft. updates
- Overflow (space)
  - Bigger server
- Social isolation
  - Responsibility

Database cleanup for Performance



- Backend / Server side
  - “Making the pizza”
  - Reduce or improve plugins
  - Clean the database
  - Upgrade the hosting
- Frontend / Browser side
  - “Ordering, picking-up, and eating the pizza”
  - CDN, compression, caching
  - Media & font lazy loading
  - Improving render-blocking
  - See Google PageSpeed Insights

What's in the Database?

- **Content**
  - Users, pages, posts, comments, metadata, taxonomies, menus, widgets
  - eCommerce: products, orders, notes, customers, metadata, lookups
  - Custom post types, custom fields

- **Design**
  - Theme, child theme, Customizer settings

- **Functionality**
  - Core feature settings
  - Plugins – all their settings & data

Cleanup objectives:

Maximize hosting performance, space for growth, stakeholder value.

Minimize costs, ongoing maintenance work.

Cleanup process:

1) Before each step

Backup the database!

Response time (user)

Memory used (plan)

Manageability (admin)

2) The steps

A) Prune outdated stuff within WordPress Admin

B) *WP Optimize* plugin

C) *PhpMyAdmin* queries

D) *Query Monitor* plugin

3) After each step

Response time (user)

Memory used (plan)

Manageability (admin)

Standards (scores)

Live demo plan:

A) Sweep: *WordPress admin*	• Media, pages, posts, comments, users, etc. Draft pages, old landing pages, inactive forms, empty trashes
B) Spray: *WP Optimize*	• Revisions, trashed, SPAM, orphan metadata
C) Mop: *PhpMyAdmin*	• Table health: wp_options, wp_postmeta
D) Dry: *Query Monitor*	• Response time, memory, query time, plugins

Sample Data

Generation	Memory (MB)	DB time	DB queries	Dupes	Cache	Notes
0.46	47	0.04	73	0	95.90%	Storefront
0.81	74	0.11	168	2	92.90%	Elementor
1.87	113	0.10	166	4	98.00%	Divi
0.64	59	0.05	88	2	97.50%	Storefront
1.51	75	0.29	270	2	96.80%	WPML
0.62	57	0.03	69	2	95.70%	Elementor
1.33	103	0.05	100	3	98.90%	Divi
1.45	90	0.09	198	5	96.10%	WPBakery
1.70	83	0.08	93	0	97.20%	Custom
1.29	231	0.50	394	3	88.50%	Custom
0.54	56	0.05	71	1	97.70%	Storefront
0.85	72	0.08	168	2	92.70%	Genesis
1.00	85	0.10	150	4	93.00%	Thresholds