



**WELCOME  
TO CIALUG**

LINUX, Linux Summit

# WELCOME!

- We meet the third Wednesday of the month
- Website
- Slack/IRC
- Up[coming Topics:
  
- Other Activities?
  - IS it time for another SIGBAP?

# LINUX NEWS



# STATIC WEB HOSTING

ANDREW DENNER

OCTOBER 2024

CENTRAL IOWA LINUX USERS GROUP

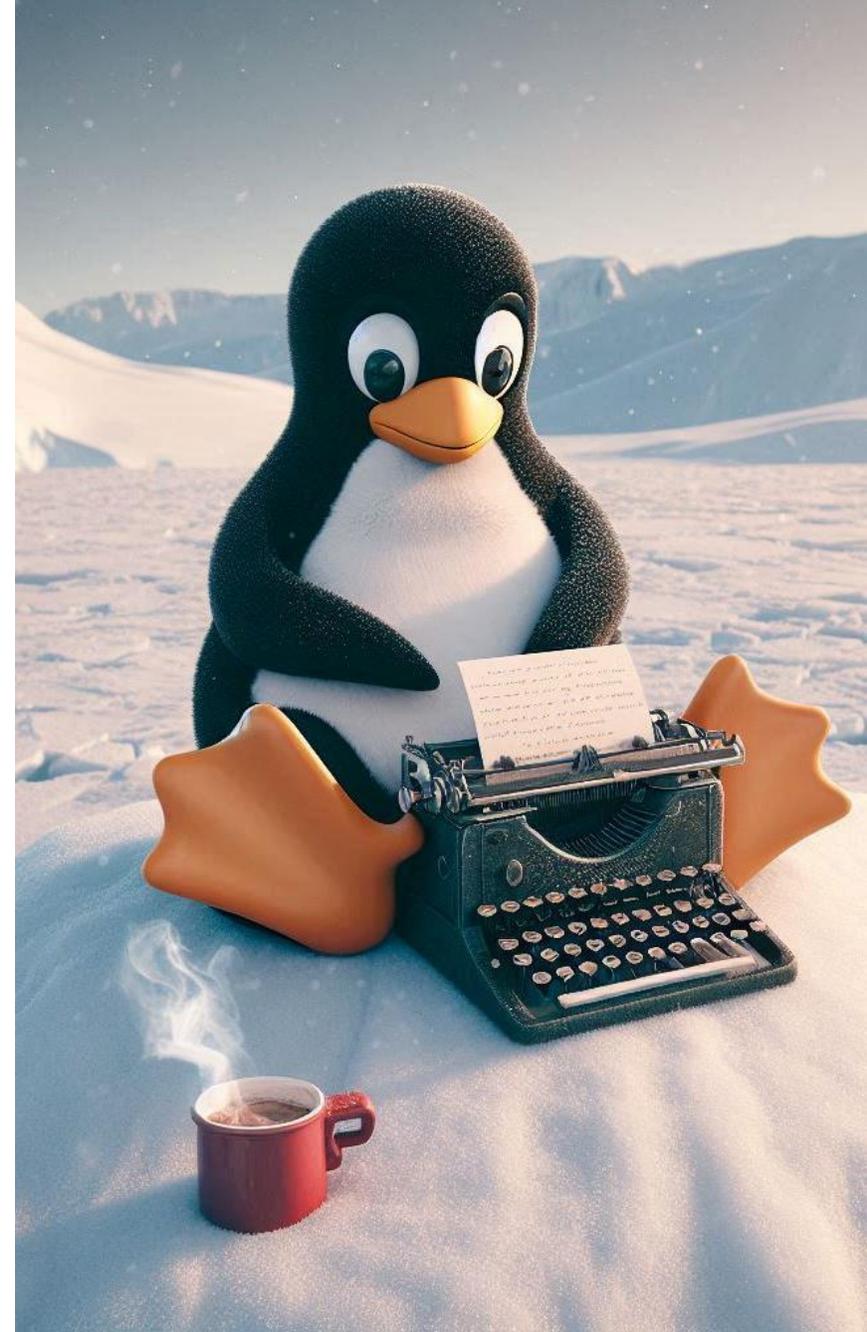
# INSERT STANDARD INTRO HERE

- Andrew Denner
  - <https://denner.co>
  - President of CIALUG
  - Senior Scientific Software Developer
  - All the standard social medias:
    - <https://denner.co/social/>



# HOW DID I START?

- Like most children of the 90's, WYSIWYG Frontpage
  - <http://textfiles.com/underconstruction/>
- Lead to Dreamweaver
- And raw HTML
- Lots of work though wanted something simpler to just dump my thoughts–The blogging era
- Wordpress



# WHAT DID I WANT?



PERSONAL SITE



SERVE AS MY WEB CATCH ALL



HOST A RESUME AND SHARE  
MY  
PRESENTATIONS/THOUGHTS



BRAIN DUMP TO "BLOG"  
(EVEN THOUGH NO ONE  
REALLY READS IT EXCEPT ME)

# WHAT DIDN'T I WANT?



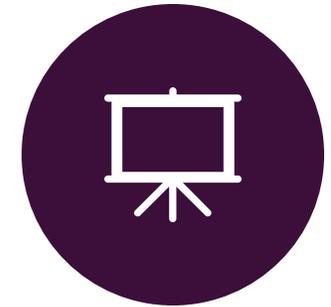
TO PUT MUCH EFFORT  
INTO UPKEEP



MODERATE  
COMMENTS



DEAL WITH SPAM



FIGHT WITH DISPLAY  
AND MAKING IT LOOK  
"RIGHT"

# MY WORDPRESS ERA

## Pros

- Popular with lots of plugins
- Low effort to throw something together
- Lots of templates

## Cons

- Popular, lots of eyes looking for vulnerabilities
- Always updating
- Mostly static site, with lots of weight
- Not as easy to host—needs php and database
- Fight to make it look “right”

# FULL DISCLOSURE

- CIALUG and other sites that I help with are still on WordPress
- Partially because others (nontechnical) also maintain
- Partially because I am lazy!

**CENTRAL IOWA LINUX USER GROUP**  
A GROUP OF FREE \*NIX ENTHUSIASTS WHO ALL HAPPEN TO LIVE IN CENTRAL IOWA

Home Events Mailing List Sponsors Join Us Search... RSS Feed

### Who Are We?

We are a group of Free \*nix Enthusiasts who all happen to live in Central Iowa. Our experience levels range from those who are just starting to play with Linux to seasoned professionals who have been with it since the very beginning.

#### When Do We Meet?

We meet on the third Wednesday of each month at 7 pm. Check out the [Events Schedule](#) for the complete list.

#### Why Should You Come?

Well, first of all, we're a fun group of intelligent people. Secondly, you might learn something that would be useful later in life. Lastly, you might find some good professional contacts.

#### How To Communicate With Us:

- **IRC:** connect to [irc.libera.chat:6697](#) (TLS) and /join #cialug (we are no longer using our old free node channel)
- **Mailing List**
- [Slack Team](#) (Join)
- Some of our members have blogs. You can follow recent postings in the sidebar.

### Meeting Notes

Notes, links, and more information from past meetings.

[Meeting Videos](#)

August 19, 2010 | Comments Closed

### Pages

- Events
- Meeting Notes
- Who Are We?**
- Bylaws and Code of Conduct
- Officers
- Events

### LUGs

- CedarLUG
- Omaha LUG
- Philadelphia area Linux User Group
- Saint Louis Linux Users Group

### Member Blogs

- Andrew Denner
- Bylaws and CoC
- Josh More
- Ken Ristau
- Youtube videos from past meetings

**IN THE END, A  
STATIC SITE  
GENERATOR WAS  
THE SOLUTION**



# ENTER JEKYLL

- Markdown based

# A BRIEF PRIMER ON MARKDOWN



# Markdown Cheat Sheet

A Concise Guide to Markdown Syntax

## Headings

Create headings by starting a line with one or more # symbols:

```
# H1 Heading
## H2 Heading
### H3 Heading
#### H4 Heading
##### H5 Heading
##### H6 Heading
```

The number of # symbols corresponds to the heading level.

## Emphasis

Bold text: Wrap text with \*\* or \_\_\_

```
**This is bold text**
__This is also bold__
```

Italic text: Wrap text with \* or \_

```
*This is italicized*
_This is also italicized_
```

Bold and italic: Combine for strong emphasis.

```
***Bold and italicized***
```

## Lists

### Unordered Lists

Use -, \*, or + followed by a space.

```
- Item one
- Item two
  - Sub-item
    - Nested sub-item
```

### Ordered Lists

Use numbers followed by a period.

```
1. First item
2. Second item
  1. Sub-item
  2. Another sub-item
```

## Links and Images

### Links

```
[Link text](https://www.example.com)
```

Reference-style links:

```
[Link text][label]
```

```
[label]: https://www.example.com
```

### Images

Similar to links but with an ! at the beginning.

```
![Alt text](image-url.jpg)
```

Images with title:

```
![Alt text](image-url.jpg "Title")
```

## Code

### Inline Code

Enclose code within backticks `

Here is some 'inline code'.

### Code Blocks

Use triple backticks before and after the code block. Specify the language for syntax highlighting.

```
function greet() { console.log("Hello, World!"); }
```

## Blockquotes

Use > at the beginning of a line.

```
> This is a blockquote.
>
> It can span multiple paragraphs.
```

## Horizontal Rules

Insert a horizontal line with three or more asterisks \*, dashes -, or underscores \_ on a line by themselves.

```
---
```

## Tables

Create tables using pipes — and hyphens -:

```
| Header 1 | Header 2 |
|-----|-----|
| Row 1   | Data     |
| Row 2   | Data     |
```

## Task Lists

Use - [ ] for tasks.

```
- [x] Completed task
- [ ] Incomplete task
```

## Escaping Characters

Escape special Markdown characters with a backslash ` This text is not italicized.

## Strikethrough

Use  to strikethrough text.

```
This text is crossed out.
```

## Footnotes

Add footnotes to provide additional information.

Here is a statement that needs a footnote. [^1]

[^1]: This is the footnote content.

## Inline HTML

You can use HTML tags for advanced formatting.

```
<kbd>Ctrl</kbd> + <kbd>C</kbd>
```

## Emoji

Add some fun with emojis!

```
:smile: :rocket: :+1:
```

Rendered as:

**DEMO**



**HOW TO HOST?**

# LOW EFFORT OPTIONS

- Gitlab/Github pages
  - Free
  - Non-Commercial
  - "low traffic"
- Aws S3 (et.al.)
  - Low cost
  - Commercial Grade
  - Not fixed cost
- Pay hosting
  - Shared resource
  - Dollars per month
  - Someone else's problem



# SLIGHTLY MORE TROUBLE

- Self hosting:
  - Caddy
    - Go Based HTTP 2 and 3
    - Automagic lets encrypt
    - Less documentation and features
  - Nginx
    - High performance but hard to configure less flexible than apache
  - Apache
    - Resource intensive
    - Flexible
    - Less performant than nginx

**DEMO**