

# Custom Wordlist Mastery Guide (Day 1-30)

This guide covers generating, optimizing, and using custom wordlists for password cracking and penetration testing, organized day-by-day.

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## Day 1: Install Tools

- **Command:** `apt install crunch cewl python3`
- **Purpose:** Set up tools for wordlist generation.

## Day 2: Understand Wordlist Purpose

- **Task:** Learn the role of wordlists in password cracking.
- **Purpose:** Choose appropriate wordlists for different targets.

## Day 3: Explore Existing Wordlists

- **Task:** Familiarize with rockyou.txt, SecLists.
- **Purpose:** Use as reference or base for custom lists.

## Day 4: Understand Password Patterns

- **Task:** Learn common patterns (dates, names, symbols).
- **Purpose:** Optimize wordlist for target profiles.

## Day 5: Lab Testing

- **Task:** Test small wordlists in lab environment.
- **Purpose:** Avoid illegal activity.

## Day 6: Crunch Basic Generation

- **Command:** `crunch 6 6 abcdefghijklmnopqrstuvwxyz -o wordlist.txt`
- **Purpose:** Generate 6-character lowercase passwords.

## Day 7: Crunch Min/Max Length

- **Command:** `crunch 4 8 abcdef123 -o custom.txt`
- **Purpose:** Generate variable length passwords.

## Day 8: Character Sets

- **Command:** `crunch 6 8 abcdef123!@# -o set.txt`

- **Purpose:** Include uppercase, lowercase, numbers, symbols.

## Day 9: Optimize Output

- **Task:** Remove duplicates and unnecessary entries.
- **Purpose:** Reduce list size for efficiency.

## Day 10: Split Large Wordlists

- **Command:** `split -l 1000000 large.txt chunk_`
- **Purpose:** Process large wordlists in manageable parts.

## Day 11: CeWL Basic

- **Command:** `cewl http://example.com -w cewl.txt`
- **Purpose:** Generate wordlist from website content.

## Day 12: CeWL Advanced

- **Command:** `cewl -d 2 -m 5 -w cewl.txt http://example.com`
- **Purpose:** Depth 2 crawl, min word length 5.

## Day 13: Filter Short Words

- **Command:** `awk 'length($0)>=6' cewl.txt > filtered.txt`
- **Purpose:** Exclude short words for relevance.

## Day 14: Merge Web Sources

- **Command:** `cat cewl1.txt cewl2.txt | sort -u > merged.txt`
- **Purpose:** Consolidate multiple web-based lists.

## Day 15: Clean & Sort

- **Command:** `sort -u merged.txt > final.txt`
- **Purpose:** Remove duplicates and sort alphabetically.

## Day 16: CUPP Interactive

- **Command:** `cupp -i`
- **Purpose:** Generate passwords based on user info interactively.

## Day 17: CUPP Info Input

- **Task:** Input name, surname, birthdate, hobbies.
- **Purpose:** Generate targeted social-engineering wordlists.

## Day 18: CUPP Generate List

- **Command:** `cupp -o cupp.txt`
- **Purpose:** Save generated wordlist.

## Day 19: Merge CUPP with Existing Lists

- **Command:** `cat final.txt cupp.txt | sort -u > combined.txt`
- **Purpose:** Expand coverage.

## Day 20: Shuffle Wordlist

- **Command:** `shuf combined.txt > shuffled.txt`
- **Purpose:** Randomize order for brute-force attacks.

## Day 21: Compress Wordlists

- **Command:** `gzip shuffled.txt`
- **Purpose:** Save storage space.

## Day 22: Hybrid Wordlists

- **Task:** Combine dictionary words with numeric patterns.
- **Purpose:** Cover common user habits.

## Day 23: Python Script Generation

- **Task:** Use Python to create permutations and leetspeak variations.
- **Purpose:** Increase effectiveness of wordlist.

## Day 24: Mask Generation for Hashcat

- **Task:** Use `?l?u?d?s` masks for structured passwords.
- **Purpose:** Smarter guessing in Hashcat.

## Day 25: Automation Scripts

- **Task:** Automate list generation from multiple sources.
- **Purpose:** Save time and effort.

## Day 26: Source Documentation

- **Task:** Track origins of words and sources.
- **Purpose:** Reference for reporting.

## Day 27: Test Wordlists in Lab

- **Task:** Test effectiveness in lab brute-force scenarios.
- **Purpose:** Validate wordlist quality.

## Day 28: Continuous Update

- **Task:** Update lists periodically with new trends.
- **Purpose:** Keep wordlists relevant.

## Day 29: Safety Practices

- **Task:** Only use wordlists in authorized testing.
- **Purpose:** Avoid legal issues.

## Day 30: Reporting & Review

- **Task:** Document created lists, methodology, and usage.
- **Purpose:** Professional reporting and analysis.

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**Note:** Only use custom wordlists for ethical and authorized testing. Unauthorized usage is illegal.