

CERTCC / cveClient Public










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sei-vsarvepalli Merge pull request #52 from jgamblin/fix/x-generator-... ✓

30cb5ff · 3 days ago

github/workflows	ci: update actions/checkout ...	4 days ago
ace-builds	Ace builds updates	4 years ago
api-docs	feat: add local copies of CV...	4 days ago
api/cve	Further updates to Issue #24	3 years ago
schema	feat: add local copies of CV...	4 days ago
sweetalert2	chore: update SweetAlert2 fr...	last week
tests	fix: sync cveClientlib version ...	3 days ago
.gitignore	feat: add test infrastructure ...	5 days ago
CHANGELOG.md	docs: comprehensive docum...	4 days ago
CONTRIBUTING.md	docs: refocus README for ...	4 days ago
INSTALL.md	docs: comprehensive docum...	4 days ago
LICENSE	CERT/CC License template	4 years ago
README.md	docs: add AI Review feature ...	4 days ago
RISKS.md	docs: comprehensive docum...	4 days ago
autoCompleter.js	refactor: import test function...	5 days ago
certicon.ico	Added favicon	4 years ago
cveClientlib.js	fix: sync cveClientlib version ...	3 days ago
cveInterface.css	Small updates to cveInterface	9 months ago

 cveInterface.js	fix: use project version in x_...	4 days ago
 cwe-common.json	Added cwe-common.json th...	9 months ago
 encrypt-storage.js	refactor: import test function...	5 days ago
 index.html	fix: remove unsupported AD...	5 days ago
 language-codes.json	Ace builds updates	4 years ago
 package-lock.json	feat: add test infrastructure ...	5 days ago
 package.json	docs: add Node.js usage an...	5 days ago
 schemaToForm.js	feat: make schema referenc...	5 days ago
 vitest.config.mjs	fix: drop EOL Node versions ...	5 days ago

 [README](#)  [Contributing](#)  [License](#)  [Security](#)



# cveClient

A browser-based CVE management client for [CVE Services 2.x](#) API, built for CVE Numbering Authorities (CNAs) and Roots. Manage CVE records using CVE JSON 5.x directly from your browser — no software to install, no data collected, no backend required.

[Live Demo](#) | [CERT/CC Demo](#)

**Privacy:** This application runs entirely in your browser. It does not store any data on a server, does not track usage, and does not phone home. Your API key is encrypted locally using RSA-OAEP 4096-bit encryption before being stored in browser storage.

## Compatibility

	Version
<b>CVE Services API</b>	2.x ( <a href="#">API docs</a> , <a href="#">local OpenAPI spec</a> )
<b>CVE JSON Schema</b>	5.x ( <a href="#">schema docs</a> , <a href="#">local schema</a> )

## Supported Environments

Environment	URL	Use Case
Production	<code>https://cveawg.mitre.org/api</code>	Live CVE record management
Test	<code>https://cveawg-test.mitre.org/api</code>	Testing and training
Local	<code>http://127.0.0.1:3000/api</code>	Local CVE Services instance

Select your environment from the dropdown at login.

## Features

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- **CVE Record Management** — Create, update, reject, and reserve CVE IDs
- **Form-Based Editor** — Tabs for Minimal (required fields only), All Fields (full schema), JSON (direct editing with Ace editor), and ADP views
- **Guided CVE Chatbot** — Step-by-step wizard that walks you through building a CVE record field by field, with CWE autocomplete
- **AI Review** — Review your CVE record with ChatGPT, Claude, or Gemini before publication. Shows the full prompt for transparency, then copies to clipboard and opens your chosen provider.
- **User Management** — Create, update, and list users within your CNA organization (admin role required)
- **Organization Info** — View org details and remaining CVE ID quota
- **Offline Mode** — Click "Skip" at login to create and edit mock CVE records without connecting to CVE Services, useful for drafting or training
- **Encrypted Credentials** — API keys are encrypted with RSA-OAEP 4096-bit keys before storage. See [RISKS.md](#) for a full discussion of browser API key security.

## Getting Started

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### Use the Public Demo

Visit <https://certcc.github.io/cveClient/> and log in with your CNA short name, username, and API key. No installation required. The demo connects directly to CVE Services and does not store any data.

### Run Your Own Instance

cveClient is a static web application — just serve the files from any web server:

```
git clone https://github.com/CERTCC/cveClient.git
cd cveClient
```



```
# Any of these will work:
python3 -m http.server 8080
npx serve .
php -S localhost:8080
```

Open `http://localhost:8080` and log in. For production deployment with Content-Security-Policy headers, Apache/Nginx configuration examples, and more, see [INSTALL.md](#).

## API Key Security

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Using API keys in a browser carries inherent risks. See [RISKS.md](#) for:

- Why browser-based API key usage is a known risk for CNAs
- Precautions your organization should take (browser hardening, user audits, key rotation)
- How cveClient mitigates risk with RSA-OAEP encryption
- Content-Security-Policy recommendations for self-hosted deployments

## Changelog

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See [CHANGELOG.md](#) for the full version history.

## Contributing

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See [CONTRIBUTING.md](#) for architecture details, local development setup, Node.js library usage, running tests, and dependency information.

## License

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See [LICENSE](#) for license information.

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## Releases

No releases published

## Packages

No packages published

## Contributors 6



## Languages

